

GUIDE TO CANADA'S AEROSPACE INDUSTRY



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Message from the President & CEO

For over 50 years, AIAC has proudly served the Canadian aerospace industry, helping it to transform into a cutting-edge, advanced manufacturing industry with world-leading products and services. We are proud to be the voice of Canada's aerospace industry, representing companies of all sizes in every sector – civil, defence and space – and in every province and region of our country.



As globalization and shifts in the supply chain present new challenges and opportunities to the industry, AIAC's focus is ensuring that Canada's aerospace companies are well-positioned to come out ahead in a rapidly changing global context. We help our members to enhance their competitiveness by providing products and services on several fronts:

- Partnering with government to enhance programs and policies that will help Canadian aerospace companies grow and compete both at home and around the world. In particular, through the recent Emerson and Jenkins reports, we have been working very closely with the federal government to develop and implement a series of policy initiatives aimed at strengthening the ability of our companies to invest, innovate, and access key markets.
- Facilitating strong global business development opportunities. Our trade missions, participation in international trade shows and events, and hosted events such as the Canadian Aerospace Summit are underpinned by the recognition that success in our globalized industry can only be achieved through strong global partnerships.
- Promoting opportunities for meaningful dialogue between members of all sizes. Members who attend our events and are engaged in our committees and on our board have the opportunity to make connections with senior executives from other Canadian companies, providing valuable networking opportunities unavailable anywhere else.

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At the core of these priorities is our ongoing commitment to serving our members. By advocating on our members' behalf, facilitating new business and networking opportunities, and providing products and services that help our members grow, AIAC has supported and promoted its members for over fifty years. This commitment continues to drive all that we do.

This *Guide to Canada's Aerospace Industry* is one of the services we offer to our members. The Guide is made available to decision-makers and industry insiders in Canada and around the world at global conferences and events. It is also available as an interactive electronic document or a downloadable PDF on our website. Through all of these venues, the Guide serves as a means of providing contact information for our members and publicly highlighting their products, services and expertise.

We are immensely proud of our members, of the work that they continue to do, and of the achievements of the Canadian aerospace industry as a whole. This Guide showcases the results of those achievements, highlighting the strong foundation on which our industry looks to the future and the opportunity that awaits it.

Jim Quick

President & CEO

Aerospace Industries Association of Canada

Message du président et chef de la direction



L'AIAC est au service de l'industrie aérospatiale canadienne depuis plus de cinquante ans, et met tout en œuvre pour en faire une industrie manufacturière avancée et à la pointe de la technologie, grâce à des produits et des services d'avant-garde. Nous sommes fiers d'être le porte-parole de l'industrie aérospatiale canadienne et de représenter des entreprises de toutes tailles, dans tous les secteurs – civil, défense et spatial – et situées dans toutes les provinces et régions du Canada.

La mondialisation et l'évolution de la chaîne d'approvisionnement offrent de nouveaux défis et de nouvelles perspectives à l'industrie. L'AIAC fait en sorte que les entreprises aérospatiales canadiennes soient bien positionnées pour se démarquer dans un contexte mondial en constante évolution. Nous aidons nos membres à renforcer leur compétitivité en leur fournissant des produits et des services par le biais de différentes initiatives :

- Une collaboration avec le gouvernement pour valoriser les programmes et les politiques qui permettront aux entreprises aérospatiales canadiennes de s'épanouir et d'être concurrentielles tant sur la scène nationale que mondiale. Ainsi nous avons, par l'intermédiaire des derniers rapports Emerson et Jenkins, travaillé en étroite collaboration avec le gouvernement fédéral pour élaborer et mettre en œuvre un ensemble d'initiatives stratégiques visant à renforcer la capacité de nos entreprises à investir, innover et accéder aux principaux marchés;

- La création de perspectives concrètes visant l'expansion de l'activité à l'international. Nos missions commerciales, notre participation à des événements et à des salons professionnels internationaux, et l'organisation d'événements comme le Sommet de l'aérospatiale canadienne reposent sur un même constat : la réussite au sein de notre industrie mondialisée ne peut être atteinte que grâce à des partenariats solides sur la scène mondiale;
- La promotion des occasions d'engager un dialogue constructif entre les différentes entreprises membres. Les membres qui assistent aux événements organisés par l'AIAC ainsi qu'aux réunions de ses comités et de son conseil d'administration se voient offrir des opportunités de rencontres uniques et précieuses avec les hauts dirigeants d'autres entreprises canadiennes.

Notre engagement à servir nos membres est au cœur de nos priorités. Depuis plus de cinquante ans maintenant, l'AIAC supporte et encourage ses membres en défendant et en promouvant leurs intérêts, mais également en leur fournissant des produits et des services leur permettant de s'épanouir et en cherchant à favoriser l'entrepreneuriat et les possibilités de réseautage. Cet engagement est le moteur de tout notre travail.

Parmi les services que nous offrons à nos membres, citons le *Guide de l'industrie aérospatiale canadienne*. Ce guide est destiné aux décideurs et aux professionnels de l'industrie au Canada et à travers le monde lors de conférences et d'événements d'envergure internationale. Vous pouvez consulter ce guide en version numérique interactive en ligne ou le télécharger en version PDF sur notre site Web. À l'occasion de ces nombreux événements, ce guide permet à nos membres de gagner en visibilité en y indiquant leurs coordonnées et en attirant l'attention sur leurs produits, leurs services et leur expertise.

Nous sommes extrêmement fiers de nos membres, de leur travail et de leurs réalisations au sein de l'industrie aérospatiale canadienne. Cet ouvrage inclut également des exemples de ces réalisations. Il souligne ainsi les bases solides sur lesquelles s'appuie l'industrie pour envisager le futur et les débouchés à venir.

Jim Quick

Président et chef de la direction

L'Association des industries aérospatiales du Canada

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For a digital version of this Guide, please visit
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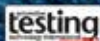
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AIAC: The National Voice of Canada's Aerospace Industry



As Canada's national aerospace trade association, the AIAC represents the interests of more than 700 Canadian aerospace manufacturing and service companies who serve the global aerospace market in the commercial, defence and space segments. We strive to build a business and investment climate in which Canadian aerospace companies can continue to grow, compete and win business at home and on the world stage. Governments, business and the media look to the AIAC as the authoritative source for information on the composition and performance of Canada's aerospace industry, its challenges and its opportunities.

AIAC advocates on behalf of Canadian aerospace companies who are developing new and innovative technologies, who are building these technologies into market-relevant applications, and who are seeking to finance their sales to customers. As active contributors to the association's activities, our members are increasing their competitiveness and prosperity by participating in our technical committees, business-to-business activities and opportunities to directly shape government policies and programs.

CHAMPIONING AEROSPACE INTERESTS IN PUBLIC POLICY DEVELOPMENT

- AIAC led industry contributions to the 2012 Aerospace Program and Policy Review, including formal submissions from seven working groups led by the AIAC. Headed by David Emerson, this review culminated in the 2012 Emerson Report, which contained 25 recommendations to government on ways in which the competitiveness of the Canadian aerospace sector could be strengthened through government program and policy measures.
- AIAC continues to advise government in the ongoing implementation of the Emerson Report recommendations. Significant achievements thus far include:
 - » The recapitalization of SADI at nearly \$1 billion over five years;
 - » The creation of a large-scale Technology Demonstration Program funded at \$110 million over five years;
 - » Doubling the funding for the Space Technology Development Program to \$20 million annually by 2015-16;
 - » The creation of CARIC, a national industry-academia technology collaboration network with funding for small TRL1-5 projects and opportunities for international collaboration projects;
 - » The inclusion of aerospace as a key sector in the Global Markets Action Plan, which will guide diplomatic and trade policy in the coming years;
 - » Enhanced measures to support economic diplomacy by government diplomats on behalf of industry; and
 - » Multiple measures to provide greater support for Canadian small businesses.

- We coordinated industry feedback and perspective into the review of federal defence procurement policies, which culminated in the release of the Jenkins Report in early 2013.
- We also advised and assisted government through implementation of Jenkins Report recommendations, including integration of weighting and rating of Key Industrial Capabilities as part of the new Defence Procurement Strategy.
- We are currently leading the initiative regarding the implementation of a national supplier development program.

AIAC also provides ongoing leadership in the following public policy development areas:

- Representing the industry before Parliamentary Standing Committees and other advisory bodies to the federal and provincial governments as required.
- Ensuring that the export control policies of Canada and foreign governments do not place inappropriate constraints on the ability of Canadian aerospace firms to conduct business in the global market.
- Combating trade protectionism and ensuring open and efficient cross-border trade.
- Creating efficient, cost-effective and industry-responsive airworthiness regulatory regimes, certification policies and processes.

HELPING BUSINESSES GROW AND ACCESS NEW MARKETS

- We promote Canadian presence in the global market and help members achieve visibility with key contacts by:
 - » Leading and/or facilitating numerous trade missions and delegations to emerging and key markets;
 - » Disseminating market intelligence information on various international markets and connecting members to key partners and stakeholders in Canada and abroad;
 - » Hosting the annual Canadian Aerospace Summit to help connect Canadian aerospace firms to global Original Equipment Manufacturers (OEMs) and their supply chains; and
 - » Increasing Canadian aerospace global presence through targeted market access and development programs.
- AIAC also works to ensure that Canadian aerospace industry perspectives are taken into account in various trade agreement negotiations.
- Our *Guide to Canada's Aerospace Industry* is published annually and distributed around the world to Canada's network of Trade Commissioners, Canadian Embassies and prospective customers. It is also made available online.

RAISING THE INDUSTRY'S PUBLIC PROFILE

- Using our national platform and network, we promote aerospace success stories and the industry's achievements to decision-makers, opinion-shapers, the media and the public at large.
- Our management team has over 30 years of cumulative experience in political life and we are experts in representing the industry's interests to political leaders, Members of Parliament from all parties and, in particular, MPs representing key aerospace ridings.
- Each year we distribute, in concert with Industry Canada, key statistics, information and analysis regarding the Canadian aerospace industry's activities, reach and economic contribution at home and abroad.

PROVIDING THE SERVICES AND NETWORKING OUR MEMBERS NEED TO GET AHEAD

- In all of our events, including the annual Canadian Aerospace Summit, we focus on facilitating opportunities for members to engage and network with global and domestic industry leaders and government officials.
- Our technical committees are open to all members who wish to engage with and directly contribute to setting AIAC's priorities, strategies and policies.
- AIAC's model facilitates close dialogue between large firms and small organizations, offering members unique opportunities to connect with potential Canadian buyers and suppliers.

L'AIAC : le porte-parole national de l'industrie canadienne de l'aérospatiale



L'Association des industries aérospatiales du Canada (AIAC) est l'association professionnelle qui représente, au niveau national, les intérêts de plus de 700 sociétés de fabrication et de services qui desservent les secteurs commerciaux, de la défense et de l'espace du marché mondial de l'aérospatiale. Elle s'efforce d'instaurer un climat favorable aux affaires et aux investissements, dans lequel les sociétés canadiennes de l'aérospatiale pourront se développer, être concurrentielles et emporter des marchés, au pays comme au niveau mondial. Les gouvernements, les entreprises et les médias considèrent l'AIAC comme la source faisant autorité sur la composition et le rendement du secteur canadien de l'aérospatiale, sur les défis qu'il a à affronter et sur les possibilités qui s'offrent à lui.

Notre association est le défenseur des sociétés canadiennes de l'aérospatiale qui élaborent des technologies nouvelles et novatrices, qui convertissent technologies en applications adaptées au marché et qui cherchent à financer les ventes à leurs clients. Nos membres, qui contribuent activement à la vie de l'Association, améliorent leur capacité concurrentielle et leur productivité en participant à nos comités techniques, aux activités inter entreprises (B2B) que nous organisons et aux possibilités que nous offrons d'influencer directement les politiques et les programmes des gouvernements.

DÉFENDRE LES INTÉRÊTS DE L'AÉROSPATIALE LORS DE L'ÉLABORATION DE POLITIQUES PUBLIQUES

- L'AIAC a animé les diverses contributions de l'industrie à l'Examen des programmes et des politiques de l'aérospatiale et de l'espace, y compris la production des rapports officiels émanant des sept groupes de travail mis sur pied et dirigés par l'AIAC. Sous la direction de David Emerson, cet examen a culminé avec la publication, en 2012, du rapport Emerson, qui soumettait au gouvernement 25 recommandations visant à renforcer la capacité concurrentielle du secteur canadien de l'aérospatiale avec la mise en œuvre, par le gouvernement, de programmes et de mesures de politique.
- L'AIAC continue à conseiller le gouvernement sur la mise en œuvre des recommandations du rapport Emerson. Parmi les réalisations dignes de mention de l'Association, on peut citer :
 - » la recapitalisation de l'Initiative stratégique pour l'aérospatiale et la défense (ISAD) à près d'un milliard de dollars sur cinq ans;
 - » la mise sur pied d'un Programme de démonstration de technologies à grande échelle, qui sera doté d'un budget de 110 millions de dollars sur cinq ans;
 - » le doublement du financement du Programme de développement des sciences et de la technologie spatiales pour le porter à 20 millions de dollars par année d'ici 2015-2016;
 - » la mise sur pied du Consortium de recherche et d'innovation en aérospatiale du Canada (CRIAC), un réseau de collaboration technique, au niveau national, de l'industrie et des milieux universitaires qui est doté de moyens lui permettant de financer de petits projets des niveaux un à cinq de l'État de préparation de la technologie (EPT 1-5) et qui offre des possibilités de réaliser des projets internationaux de collaboration;
 - » l'inscription de l'aérospatiale comme un secteur important dans le Plan d'action sur les marchés mondiaux du gouvernement, un plan destiné à orienter la diplomatie canadienne et la politique

commerciale de notre pays au cours des années à venir;

- » l'adoption de mesures plus efficaces pour soutenir la diplomatie économique menée par les diplomates du gouvernement au nom de l'industrie; et
- » de multiples mesures pour apporter un appui plus soutenu aux petites entreprises canadiennes.
- Nous dirigeons l'initiative visant la mise en œuvre d'un Programme national de développement des fournisseurs.
- Nous avons également conseillé et aidé le gouvernement tout au long de la mise en œuvre des recommandations du rapport Jenkins, y compris en ce qui concerne la pondération et la cotation des principales capacités industrielles utilisées dans le cadre de la Stratégie d'approvisionnement en matière de défense.
- Nous sommes actuellement les principaux responsables de l'élaboration permanente d'un Programme national de développement des fournisseurs.

L'AIAC assure également de façon permanente le leadership dans les domaines suivants du développement des politiques publiques.

- Nous représentons l'industrie devant les comités parlementaires permanents et devant d'autres organismes consultatifs du gouvernement fédéral et des gouvernements provinciaux, selon les besoins.
- Nous veillons à ce que les politiques de contrôle des exportations du Canada et des gouvernements étrangers n'imposent pas de contraintes inopportunes sur les capacités des entreprises du secteur canadien de l'aérospatiale à mener leurs affaires sur les marchés mondiaux.
- Nous luttons contre le protectionnisme en matière d'échanges commerciaux et veillons à garantir un commerce transfrontalier libre et efficient.
- Nous veillons à la mise en place de régimes réglementaires, de politiques et de processus de certification en matière de navigabilité qui soient rentables et sensibles aux préoccupations de l'industrie.

FACILITER LA CROISSANCE DES ENTREPRISES DU SECTEUR ET LES AIDER À ACCÉDER À DE NOUVEAUX MARCHÉS

- Nous faisons la promotion de la présence canadienne sur les marchés mondiaux et nous aidons les membres de notre association à se faire connaître des principales personnes-ressources en :
 - » dirigeant ou facilitant de nombreuses missions et délégations commerciales sur les marchés émergents et importants;
 - » diffusant des renseignements et des informations sur la commercialisation sur divers marchés étrangers et en permettant à nos membres d'entrer en relation avec des partenaires et des intervenants importants, au Canada comme à l'étranger;
 - » en organisant chaque année le Sommet de l'aérospatiale canadienne pour aider les sociétés canadiennes du secteur à établir des liens avec les fabricants mondiaux d'équipement d'origine et avec leurs chaînes d'approvisionnement; et
 - » en renforçant la présence de l'aérospatiale canadienne dans le monde grâce à des programmes ciblés d'accès aux marchés et de développement de ceux-ci.
- L'AIAC veille également à ce que les points de vue du secteur canadien de l'aérospatiale soient pris en compte dans les négociations des divers accords commerciaux.
- Notre *Guide de l'industrie aérospatiale canadienne*, qui est publié chaque année, est diffusé partout dans le monde auprès d'éventuels clients à travers le réseau des délégués commerciaux et des ambassades du Canada. Il est également disponible en ligne.

AMÉLIORER L'IMAGE QUE LE GRAND PUBLIC A DU SECTEUR

- En nous servant de notre plate-forme et de nos réseaux nationaux, nous faisons la promotion des réussites en aérospatiale et des réalisations de l'industrie auprès des décideurs, des faiseurs d'opinions, des médias et du grand public.
- Notre équipe de directions cumule plus de 30 ans d'expérience de la vie politique et nous sommes des spécialistes de la représentation des intérêts de notre secteur d'activité auprès des leaders politiques, des députés et sénateurs de tous les partis et, en particulier, des députés représentant des circonscriptions où l'aérospatiale joue un rôle important.
- Chaque année, de concert avec Industrie Canada, nous publions des statistiques importantes, des informations et des analyses concernant les activités du secteur canadien de l'aérospatiale, sa portée et son apport économique, aussi bien au pays qu'à l'étranger.

OFFRIR À NOS MEMBRES LES SERVICES ET LES ACTIVITÉS DE RÉSEAUTAGE DONT ILS ONT BESOIN POUR ALLER DE L'AVANT

- Lors de toutes nos activités, y compris à l'occasion du Sommet de l'aérospatiale canadienne, nous veillons à offrir à nos membres des possibilités d'entrer en relation avec les dirigeants étrangers et canadiens de l'industrie et avec les responsables gouvernementaux.
- La participation aux comités techniques de l'AIAC est ouverte à tous les membres qui souhaitent s'impliquer et contribuer directement à la définition des priorités, des stratégies et des politiques de l'Association.
- Le mode de fonctionnement de l'AIAC facilite un dialogue étroit entre les grandes entreprises et les petits organismes, offrant à ses membres des possibilités uniques d'entrer en relation avec d'éventuels acheteurs et fournisseurs canadiens.

Canada's Aerospace Industry: 2014 Facts and Figures



All data is from 2014 unless otherwise stated.

ECONOMIC IMPACT

The Canadian aerospace industry is a strategically important contributor to the Canadian economy in terms of employment, innovation, productivity, R&D, GDP and trade. Among important facts:

- Made up of over 700 companies of all sizes from coast to coast, the industry is responsible for the employment of more than 180,000 Canadians.¹
- Aerospace contributes \$29B of GDP to the Canadian economy annually and reached \$27.7B in direct revenues in 2014.
- 73% of the industry's activity is dedicated to manufacturing while Maintenance, Repair and Overhaul (MRO) service providers represent 27%.

CANADIAN AEROSPACE ACTIVITY

- Canada's aerospace manufacturing and MRO sectors are both expanding rapidly, growing 29% and 37% respectively over the last 10 years (2004-2014)
- Canada ranks third in terms of global civil aircraft production activity
- Canada's civil aircraft production growth is forecasted to outpace the global market for the 2014-2021 period (22% for Canada versus 11% for the global civil aircraft production)²
- The Canadian aerospace defence sector represents 25% of the total Canadian defence sector and is responsible for close to 60% of the total R&D investment
- A very diversified space systems manufacturing sector with close to 50% of the revenues dedicated to commercial and industrial activities³

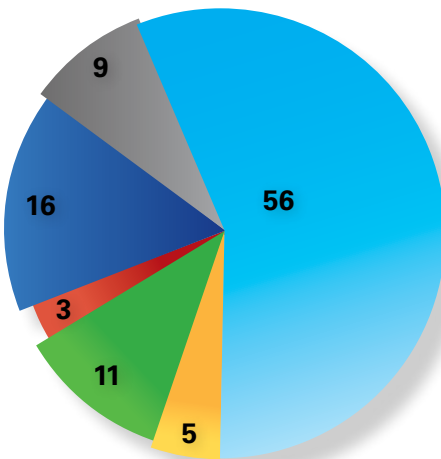
¹ Direct, indirect, and induced employment and GDP

² Average of Forecast International and Teal Group's forecasts by value for 2014-2021 period. (Note: General aviation forecast is from Forecast International only), 2014

³ Statistics Canada—Canadian Commercial Aerospace, Defence, Commercial/Civil Marine and Industrial Security Sector Survey (2011), 2013

Canadian Aerospace Activity by Sector (2013)

Major commercial subsystems	9%
In-service support and training	16%
Military aerospace	3%
Commercial aircraft propulsion systems	11%
Space systems	5%
Commercial aircraft and aircraft structures	56%



INNOVATION

The Canadian aerospace industry is an innovation leader with stellar R&D performance:

- More than 20% of the industry's activity is dedicated to R&D¹
- 5 times the R&D intensity of Canada's total manufacturing average
- Each year the industry invests \$1.8 billion into R&D
- R&D investment increased by 60% in the last ten years (2004-2014)¹

MANUFACTURING ADVANTAGE

Canada's aerospace industry is a national leader in twenty-first century manufacturing, driving the jobs, innovation and skills of the future. Compared with Canada's total manufacturing average, the aerospace industry provides:

- 62% more value-added per employee²
- 47% more skilled labour
- 29% higher wages
- 5 times the R&D intensity
- 2.5 times the productivity growth (2004-2014)
- 2.1 times the export diversity index
- 1.9 times the export intensity

INTERNATIONAL PERSPECTIVE

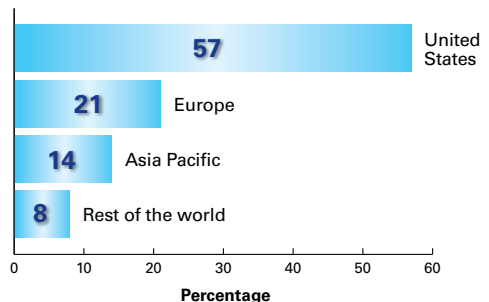
When compared with other OECD countries, Canada's aerospace industry ranked:²

- No. 1 in terms of productivity
- No. 1 in terms of strategic importance over total manufacturing³
- No. 3 in terms of R&D intensity¹
- No. 5 in terms of GDP and revenues

One of Canada's largest exporters, the Canadian aerospace industry exports nearly 80% of its products to highly diversified markets and product segments⁴

- 62% of supply chain exports to the US, 23% to Europe, 8% to Asia and 7% to Africa, the Middle East, and Central and South America

Total exports by destination in 2013



¹ Value added (GDP) / FTE

² 2010 analysis

³ GDP based analysis

⁴ Global Trade Atlas (based on Statistics Canada), 2014

Secteur canadien de l'aérospatiale : Faits et chiffres saillants de 2014



À moins d'indication contraire, toutes les données portent sur 2014.

RETOMBÉES ÉCONOMIQUES

L'apport du secteur canadien de l'aérospatiale à l'économie canadienne contribue de façon importante et stratégique à l'économie canadienne, et plus précisément à l'emploi, à l'innovation, à la productivité, à la R et D, au PIB et aux échanges commerciaux. Parmi les faits saillants, on peut rappeler que :

- il est composé de plus de 700 sociétés de toutes tailles, implantées d'un océan à l'autre, et il emploie au-delà de 180 000 Canadiens¹;
- la contribution annuelle du secteur de l'aérospatiale au PIB canadien est de 29 milliards de dollars et, en 2014, ses revenus directs ont atteint 27,7 milliards de dollars; et
- les activités du secteur sont consacrées à 73 % à la fabrication alors que les prestataires de services d'entretien, de réparation et de révision (MRO) accaparent les 27 % restants.

ACTIVITÉS DE L'AÉROSPATIALE CANADIENNE

- Au sein de de l'industrie aérospatiale canadienne, le secteur de la fabrication et celui de l'entretien, de la réparation et de la révision (MRO) enregistrent tous deux des taux de croissance élevés, puisqu'ils ont été respectivement de 29 % et de 37 % au cours de la dernière décennie (2004 à 2014).
- Le Canada se classe au troisième rang dans le monde pour la production d'avions civils.
- Le taux de croissance de cette production canadienne devrait, pour la période allant de 2014 à 2021, dépasser celle du marché mondial puisqu'on prévoit qu'elle sera de 22 % pour le Canada contre 11 % pour la production mondiale d'avions civils.²
- Le secteur canadien de la défense aérospatiale représente 25 % du total du secteur canadien de la défense et il est l'auteur de près de 60 % de ses investissements en R et D.
- Le secteur manufacturier des systèmes spatiaux est très diversifié puisque près de 50 % de ses revenus proviennent d'activités commerciales et industrielles.³

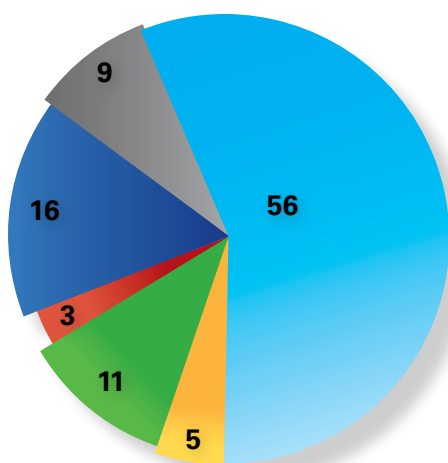
¹ Emplois directs, indirects et induits, et PIB.

² Moyenne des prévisions en valeur de Forecast International et du Teal Group pour la période 2014 – 2021. (Nota : Les prévisions concernant l'aviation générale proviennent uniquement de Forecast International), 2014

³ Enquête sur le secteur canadien de l'aérospatiale commerciale, de la défense, de l'industrie navale et de la sécurité industrielle (2011), 2013, Statistique Canada.

Activités de l'aérospatiale canadienne par secteur (2013)

Sous-systèmes commerciaux importants	9 %
Soutien et formation en cours de service	16 %
Aérospatiale militaire	3 %
Systèmes de propulsion d'avions commerciaux	11 %
Systèmes spatiaux	5 %
Avions commerciaux et structures d'aéronefs	56 %



INNOVATION

Le secteur canadien de l'aérospatiale est un leader en innovation qui enregistre des résultats brillants en R et D :

- la R et D absorbe plus de 20 % des activités du secteur¹;
- l'intensité de la R et D du secteur est cinq fois supérieure à celle de la moyenne de l'ensemble du secteur manufacturier;
- le secteur investit chaque année 1,8 milliard de dollars en R et D; et
- les investissements en R et D ont augmenté de près de 60 % au cours des dix dernières années (2004-2014)¹.

AVANTAGE COMPARATIF AU NIVEAU MANUFACTURIER

Le secteur canadien de l'aérospatiale est un leader national dans les technologies de fabrication du XXI^e siècle qui fait apparaître les emplois, les innovations et les compétences de l'avenir. Quand on compare les résultats obtenus par le secteur de l'aérospatiale aux moyennes de l'ensemble du secteur manufacturier canadien, on observe :

- qu'il produit 62 % de valeur ajoutée de plus par employé²;
- les compétences de sa main-d'œuvre sont 47 % plus élevées;
- ses salaires sont 29 % plus élevés;
- l'intensité de sa R et D est cinq fois supérieure;
- il est 2,5 fois plus productif (2004-2014);
- son indice de la diversité des exportations est 2,1 fois plus élevé; et
- l'intensité de ses exportations est 1,9 fois supérieure;

¹ PIB du secteur sur total des ETP

² Analyse de 2010

³ Analyse à partir du PIB

⁴ Global Trade Atlas (reposant sur les données de Statistique Canada), 2014

DIMENSION INTERNATIONALE

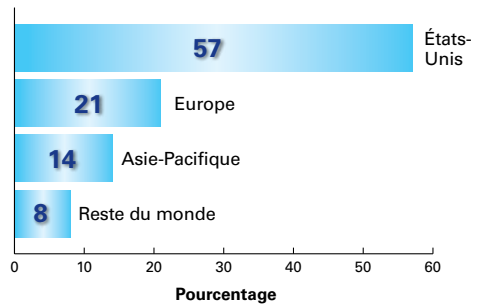
Lorsqu'on le compare à ceux des pays membres de l'OCDE, le secteur canadien de l'aérospatiale se classe³:

- au premier rang en termes de productivité;
- au premier rang pour son importance stratégique dans l'ensemble du secteur manufacturier³;
- au troisième rang pour l'intensité de sa R et D¹; et
- au cinquième rang pour sa contribution au PIB et pour l'importance de ses revenus.

Le secteur canadien de l'aérospatiale, l'un de ceux qui exportent le plus, vend près de 80 % de sa production à l'étranger sur des marchés et des segments de produits hautement diversifiés⁴:

- 62 % de ses exportations de la chaîne d'approvisionnement vont aux États-Unis, 23 % en Europe, 8 % en Asie et 7 % en Afrique, au Moyen-Orient, en Amérique centrale et en Amérique du Sud.

Exportations totales par destination (2013)



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Message from the Chair



For over 100 years, Canadians have been pushing the limits of human flight, air travel and space exploration. Making up the fifth-largest industry in the OECD today, Canadian aerospace companies are world leaders in a diverse array of products and services and are present in markets and supply chains around the globe. They are also a significant national economic driver, contributing \$29 billion to the Canadian GDP each year and helping to employ 180,000 Canadians.

The modern aerospace industry has come a long way from those early days, but new changes are once again on the horizon. As demand for air travel increases and new markets continue to open, forecasts predict that over \$5.2 trillion of new work will be created for aerospace manufacturers over the next twenty years. New players are entering the industry while at the same time, supply chains are consolidating and suppliers are increasingly expected to take on more risk, achieve increasing cost reductions, and produce at greater rates in order to meet demand.

These changes present both challenges and opportunities to the Canadian aerospace industry. Over the past five years, AIAC has worked closely with the government to improve Canadian programs and policies that will better support the ongoing growth and competitiveness of our industry. Our efforts have led to across-the-board achievements relating to technology development, defence procurement, controlled goods, space, international trade, and more. We are very proud of the momentum we have built, and the successes we have achieved thanks to our strong partnership with government.

However, there is still more work to be done. The first step to ensuring our competitiveness abroad must come from strengthening our supply chain at home. In order to stay ahead in the coming years, AIAC and its members are focused on understanding the current challenges suppliers must meet and developing a supply chain initiative focused on making suppliers more attractive to customers. In particular, we are working to help our small- and medium-sized members grow more quickly by becoming more efficient and innovative in their systems and processes as well as their products.

If you are a Canadian company, or an international company with a Canadian presence, and are not yet featured in these pages, please consider this your invitation to join us in working together to build an industry that will continue to excel for years to come. Through its leadership and advocacy, AIAC has a vital role to play in the industry's continued development, offering AIAC's members the unique opportunity to directly influence the direction and future of the aerospace industry in Canada.

If you are an international company seeking to do business with Canada, the *Guide to Canada's Aerospace Industry* is an excellent place to start. The companies featured in these pages are world-class leaders in aerospace innovation, manufacturing and services. They have behind them a strong heritage of industrial excellence and the skills, networks and infrastructure necessary to continue creating competitive, cutting-edge products today.

For over 25 years, the Guide to Canada's Aerospace Industry has highlighted the services, innovation and technology produced by Canadian aerospace companies from coast to coast to coast. The companies showcased here are the backbone of the industry as it exists today, displaying our depth and national scope. They are the best Canada has to offer, and as we take the steps to securing a stronger and better future, these are the companies that will be leading the way. We hope you will join us.

David Curtis
President & CEO
Viking Air Limited

Message du président du Conseil d'administration



Depuis plus d'un siècle, le Canada repousse toujours plus les limites du vol humain, des voyages aériens et de l'exploration spatiale. L'industrie aérospatiale canadienne est à ce jour le cinquième secteur le plus important de l'OCDE : les entreprises aérospatiales canadiennes, qui font figure de chefs de file internationaux, proposent un large éventail de produits et de services, et sont présentes sur les marchés internationaux et sur les chaînes d'approvisionnement du monde entier. Elles constituent également un puissant moteur économique national,

contribuant chaque année pour plus de 29 milliards de dollars au PIB, et à la création de 180 000 emplois pour les Canadiens.

L'industrie aérospatiale moderne a fait beaucoup du chemin depuis ses débuts; des changements se profilent toutefois à l'horizon. À mesure que la demande pour les voyages aériens ne cesse de croître et que de nouveaux marchés font leur apparition, on estime à plus de 5,2 milliers de milliards de dollars le montant des nouveaux projets prévus pour les fabricants de l'aérospatiale pour les vingt prochaines années. Tandis que l'industrie accueille de nouveaux acteurs, les chaînes d'approvisionnement s'intensifient et les fournisseurs doivent prendre davantage de risques et réduire toujours plus leurs coûts, tout en produisant à un rythme effréné pour répondre à la demande.

Face à de tels changements, l'industrie aérospatiale canadienne est confrontée à autant de défis que de perspectives. Au cours des cinq dernières années, l'AIAC a travaillé de concert avec le gouvernement canadien pour optimiser les programmes et les politiques du pays destinés à soutenir la croissance et la compétitivité continues de notre secteur. Nos efforts ont mené à des réalisations dans tous les domaines en matière de développement technologique, d'acquisition de matériel de défense, de marchandises contrôlées, d'exploration spatiale, de commerce international, et bien plus encore. Nous sommes très fiers de l'impulsion donnée au secteur, et des progrès réalisés grâce à un partenariat solide avec le gouvernement.

Il reste toutefois beaucoup à accomplir. Pour pouvoir affirmer notre compétitivité à l'étranger, il nous faut d'abord renforcer notre chaîne d'approvisionnement au niveau national. Pour encore plus se démarquer à l'avenir, l'AIAC et ses membres cherchent à comprendre les défis auxquels les fournisseurs doivent actuellement faire face et à élaborer une chaîne d'approvisionnement destinée à les rendre plus attractifs pour les clients. Ainsi, nous nous employons à aider nos membres, des petites et moyennes entreprises, à s'épanouir plus rapidement grâce à l'adoption de systèmes, de processus et de produits qui les rendront plus efficaces et novateurs.

Si vous êtes une entreprise canadienne, ou une entreprise internationale présente au Canada, et que vous ne figurez pas encore dans le guide, vous êtes invitée à vous joindre à nous pour que nous puissions collaborer en faveur d'une industrie plus forte qui continuera d'exceller dans les années à venir. De par sa fonction de chef de file et sa détermination à défendre les intérêts, l'AIAC a un rôle essentiel à jouer dans l'évolution constante de l'industrie, offrant à ses membres l'opportunité unique d'influer directement sur les choix pris par l'industrie aérospatiale canadienne, ainsi que sur son avenir.

Vous êtes une entreprise internationale qui souhaite faire affaire avec le Canada? Le *Guide de l'industrie aérospatiale canadienne* est le meilleur outil avec lequel commencer. Les entreprises qui y sont listées sont des chefs de file mondiaux en termes d'innovation, de fabrication et de services dans le secteur aérospatial. Fortes d'une longue expérience en matière d'excellence industrielle, elles ont les compétences, les réseaux et les infrastructures indispensables pour continuer de concevoir des produits compétitifs et de pointe.

Depuis plus de 25 ans, ce guide souligne les services, l'innovation et la technologie générés par les entreprises aérospatiales canadiennes d'un bout à l'autre du pays. Les entreprises présentées ici constituent les piliers de l'industrie telle qu'elle est aujourd'hui, révélant sa profondeur et sa portée à l'échelle nationale. Ces entreprises sont ce que le Canada a de mieux à offrir, et alors que nous prenons les mesures nécessaires pour garantir un avenir meilleur et plus solide, ce sont elles qui montreront la voie à suivre. Nous espérons vous compter bientôt parmi nous!

David Curtis

Président et chef de la direction
Viking Air Limited

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Message from the Honourable James Moore, Minister of Industry



Canada's aerospace industry is world-class. It contributes nearly \$29 billion to Canada's economy every year and provides jobs for 180,000 Canadians.

Our government is focused on making it easier for Canada's aerospace companies to compete and conduct business. We have introduced innovation funding, launched a new aerospace technology demonstration program and supported advanced manufacturing. We have also lowered business taxes, cutting the corporate rate from over 22 percent in 2007 to 15 percent today. We have reduced the administrative burden on firms

so owners can spend less time filling out forms and more time running their operations and growing their business. All of this is helping spur innovation in our dynamic industry.

Canadian aerospace is indispensable. If we are to continue punching above our weight, we must build on our successes.

I look forward to joining AIAC in the release of its annual *Guide to Canada's Aerospace Industry*. On behalf of the Government of Canada, I would like to thank Jim Quick and AIAC for their leadership in enhancing the global competitiveness of Canada's aerospace industry.

James Moore
Minister of Industry

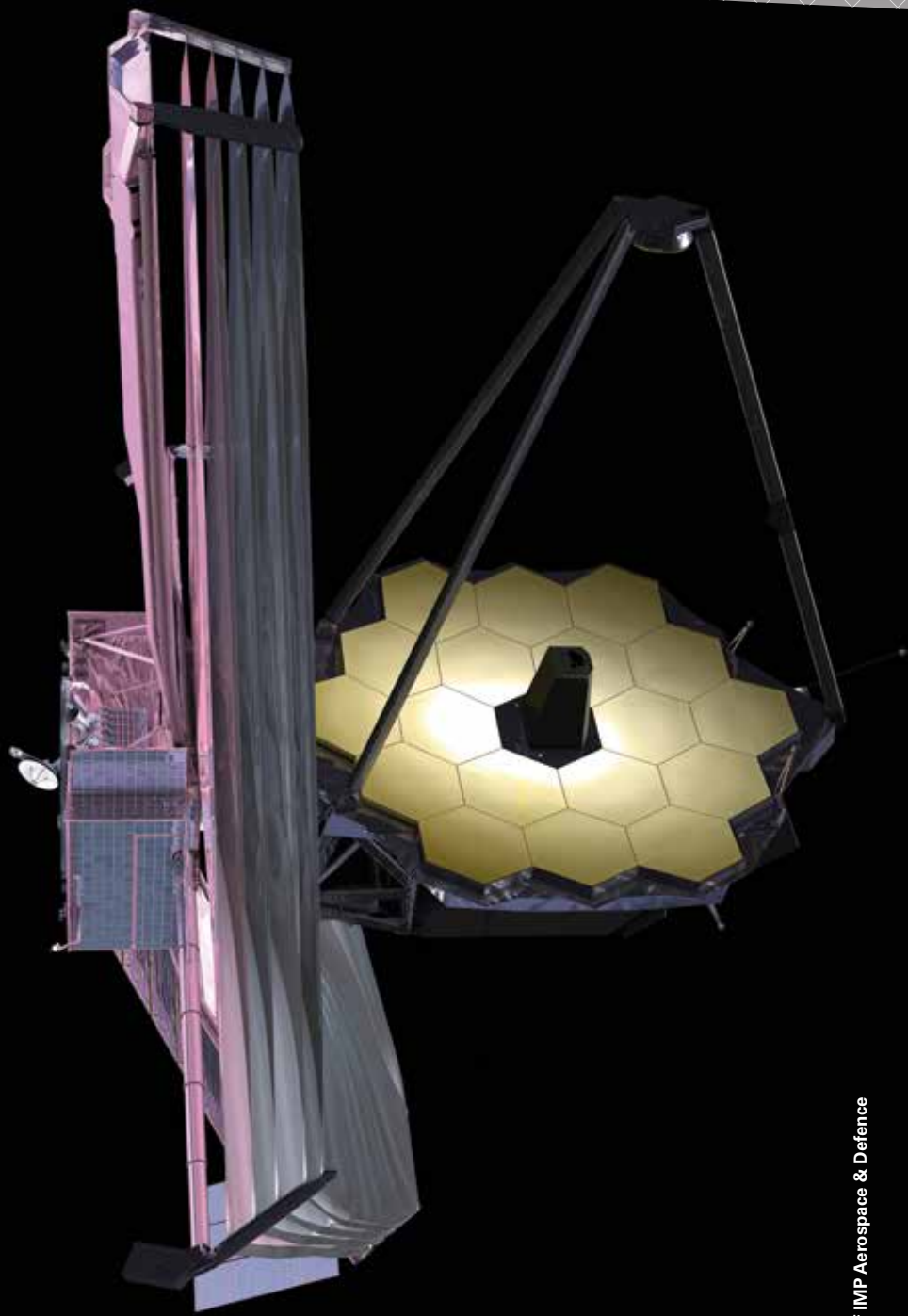


Photo courtesy of IMP Aerospace & Defence

Message du ministre de l'Industrie, l'honorable James Moore



L'industrie canadienne de l'aérospatiale est de classe mondiale. Elle représente une tranche de près de 29 milliards de dollars de notre PIB et emploie 180 000 Canadiens.

Notre gouvernement travaille à créer les conditions propices pour que les entreprises canadiennes de l'aérospatiale puissent plus aisément livrer concurrence et faire des affaires. Nous avons instauré un financement pour l'innovation dans le secteur aérospatial, lancé un programme de démonstration de technologies aérospatiales et offert un appui à la fabrication de pointe. Nous avons également abaissé le taux d'imposition

des sociétés, qui est passé de plus de 22 % en 2007 à 15 % aujourd'hui. Nous avons allégé le fardeau administratif des entreprises pour que leurs propriétaires consacrent moins de temps à remplir des formulaires et s'occupent davantage de l'exploitation et de la croissance de leur entreprise. Toutes ces mesures favorisent l'innovation dans notre industrie dynamique.

L'industrie aérospatiale est indispensable à notre économie. Si nous voulons continuer de jouer dans les ligues majeures, nous devons tirer parti de nos succès.

Je me réjouis de me joindre à l'AIAC à l'occasion annuelle de la publication du *Guide de l'industrie aérospatiale canadienne*. Au nom du gouvernement du Canada, j'aimerais remercier Jim Quick et l'AIAC pour leur leadership qui permet de rehausser la compétitivité de l'industrie canadienne de l'aérospatiale

Le ministre de l'Industrie,

James Moore

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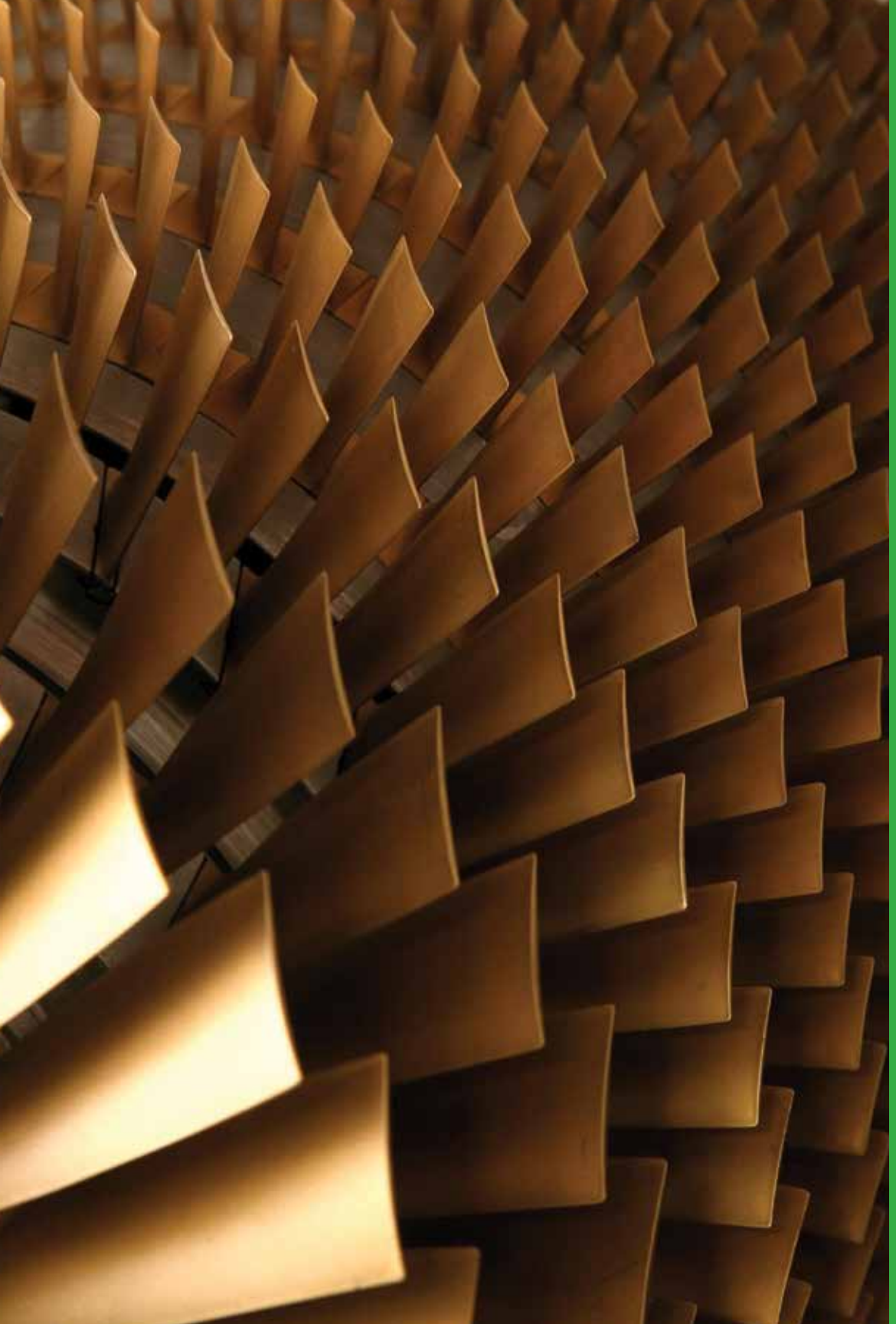
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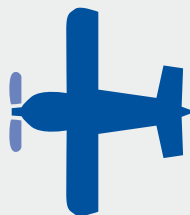


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Avion Technologies Inc.	101
DRS Technologies Canada Ltd.	129
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Airbus Helicopters Canada	88
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Noranco Inc.	172
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Flexibülb Inc.	136
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Aversan Inc.	100
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Aflare Systems Inc.	83
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Boeing Canada	107
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ADGA Group	79
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Whether you are involved in manufacturing, maintenance, repair or other aspects of the aerospace industry, 3M can help. 3M has more than 30 major technology platforms that form the basis for our 60,000 major products. With primary manufacturing, networked technical support, sales and distribution networks in almost 70 countries, we serve the world.

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COMPANY OVERVIEW

ABB designs, manufactures and markets high-performance optical sensors for industrial processes, defence and space markets. ABB is the largest Canadian supplier of space-based optical sensors for atmospheric and weather applications. Over 70% of the company's space revenues are generated from exports. Customers comprise most major space agencies, several large space companies, and various research and development organizations including universities and research institutes.

PRODUCT/TECHNOLOGY

ABB specializes in optical remote sensing instruments for space applications such as atmospheric science, environment monitoring, weather forecasting and astronomy. Space products and technologies include:

- Optical instruments
- Hyperspectral imagers
- Flight calibration devices
- Optical ground support equipment
- Software simulators and data analysis

EXPERTISE

With 40 years of experience, an expertise focused on optical instruments for atmospheric monitoring, and a strong synergy between space and industrial analytical technologies, our company supports its customers' missions in various ways ranging from feasibility studies to hardware realization of complete optical instruments or modules. The company also offers ground-based and airborne instruments.

INTERNATIONAL ACTIVITIES

In addition to its key contributions to the space program of the Canadian Space Agency (CSA), ABB is also very active on the international scene and has supported over the years a large number of missions for several different agencies and space contractors.

KEY SPACE OPTICAL SYSTEMS DELIVERED

MISSION / INSTRUMENT	SPACE AGENCY	CONTRACTOR
NPOESS / CrIS	NASA/NOAA	ITT Space
SCISAT-1 / ACE	CSA	CSA
GOSAT / TANSO-FTS	JAXA	NT Space
AURA / TES	NASA	JPL
TERRA / MOPPIT	CSA	ComDev
ENVISAT / MIPAS	ESA	Astrium
GCOM / SOFIS	JAXA	NT Space



AWARDS/SUCCESS

The space business is an important part of ABB Analytical Measurement and past projects have been very successful. For instance, the ACE-FTS instrument, originally designed for a two-year lifespan, has been operating for over 10 years on the SCISAT-1 satellite of the Canadian Space Agency and still continues to provide excellent scientific data of the Earth's atmosphere. The CrIS interferometers, built by ABB under a \$50-million contract, are among the most sophisticated optical systems ever built for weather applications.

In 2009, the Canadian Aeronautics and Space Institute (CASI) awarded the SCISAT-1 team with the Alouette Award for outstanding contribution to advancement in Canadian space technology, applications, science and engineering. In June 2006, ABB was presented with a NPOESS Outstanding Supplier Award from Northrop Grumman Corporation. Dr. Henry Buijs, Chief Technical Officer at ABB, was awarded the John Chapman Award from the Canadian Space Agency in May 2011 for his contributions to the Canadian space program.

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Dedicated to Excellence in Defence and Aerospace Engineering and Technical Services.

The ADGA Group is a Canadian leader in the field of Systems Engineering and Analysis supporting the defence and aerospace sectors. We provide Systems, Software and Communications Engineering; Management Consulting; Program and Project Management; Technical Support; Information Technology; Information Security; and Life-Cycle Support services.

ADGA has been intimately involved in the development of service delivery architectures that will facilitate the exploitation of the Canadian and international network of space assets. ADGA is leading the way in adapting space infrastructure and information capabilities towards end-user applications relevant to commercial and public safety environments.

ADGA and its affiliate, RHEA System S.A., support communications, low-earth orbit, deep space, scientific and manned missions through all phases of the mission life-cycle, including mission planning, systems development, verification, launch, ground segment operations and de-commissioning.

ADGA, through APS Aviation Inc. (APS), holds a world-leading role in the study of aviation icing issues. Working with Canadian and international aviation authorities through a long-term R&D program, APS has developed the Hold-Over Time tables used by pilots internationally to support decisions related to take-off in winter conditions.

Our clients include private and public sector organizations, including major Government of Canada departments and agencies, NATO and major Canadian, U.S. and EU companies.

www.adga.ca

CORE COMPETENCIES:

- Project Management
- Systems Engineering
- Integrated Logistics Support
- In-Service Support, Engineering and Maintenance
- Software Engineering
- Configuration Management
- Business Analysis
- Cyber security
- De/Anti-Icing
- Airport Facilities Planning and Management
- Space:
 - » Operations Engineering
 - » Ground Segment Engineering
 - » Mission Analysis
 - » Product Assurance
 - » Synthetic Aperture RADAR Data Exploitation
- Aerospace and Defence Engineering and Technical Support:
 - » Weapons Systems Management Airframe Systems
 - » Avionics
 - » Armaments
 - » Automatic Test Equipment
 - » Maintenance Support
 - » Instrument and Electrical Systems
 - » C4ISR
 - » Technical Documentation

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AT THE HEART OF MONTRÉAL'S AEROSPACE INDUSTRY

Greater Montréal is one of the world's three aerospace capitals, along with Seattle and Toulouse. It is among the rare places in the world where all the main components of an aircraft are manufactured within a 20-mile (30-kilometre) radius. Nearly two-thirds of Canadian production is centered here. More than 250 enterprises are located at ADM's two airports, generating a grand total of 60,000 direct and indirect jobs. Montréal's aerospace industry boasts prime contractors, equipment manufacturers, among the world's top subcontractors and suppliers, as well as a qualified and competitive labour force and unique training centres. The presence of all these key industry players explains why the Greater Montréal region is renowned for its leading-edge expertise in the design, manufacturing, integration, overhaul, and repair of aircraft and aeronautical subsystems.

Montréal-Trudeau International Airport:

Ideal for logistics and aeronautics.

- 14 million square feet (1.3 million square metres) available for aeronautical development
- Located in Québec's industrial and aerospace heartland
- 20 minutes from downtown and accessible via several highways
- 4,000-acre (1,620-hectare) site where more than 25,000 people already work
- Canada's largest MRO and aircraft manufacturing centre
- A congestion-free international airport
- More than 30 carriers serving 130 destinations

Montréal-Mirabel International Airport:

Focusing on all-cargo, aeronautics, light manufacturing, tourism, and recreational.

- 50 million square feet (4.6 million square metres) of land and buildings available for lease
- Located in the Laurentians, Québec's top tourism region
- Easy access to all services and a quality labour force
- An industrial zone where more than 4,000 people already work
- Québec's second-largest aerospace hub
- An aerospace training centre and engine test facilities
- An international airport with 24/7 cargo and general aviation operations
- A regional base for business aviation
- A unique motorsports complex

FOR MORE INFORMATION please contact:

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aerospace **BIZDEV**



Linda Wolstencroft is an expert in the growth of complex businesses, with a major focus on aerospace and defence. This involves helping create optimum strategies that achieve extraordinary results. A wide range of clients benefit, including companies engaged in innovation and product development, firms wishing to benefit from Canada's Industrial and Technological Benefits (ITB) program, as well as companies serious about business growth.

A logical and effective approach is used to achieve tangible results in areas such as:

- Proposals: Formulating the win strategy, proposal project planning and management, defining the team structure and engaging resources, writing, performing red and gold reviews
- Corporate strategy development and business growth plans aimed at achieving critical objectives
- Business development strategies, plans, processes and organizational development
- New market / product strategies
- International business development
- Capture planning of a specific opportunity
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- **Guidance provided to 100+ Business Development and leadership experts**

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Aerosystems International Inc. (ASI) has been serving the aviation community since 1971 and offers a variety of products and services to the aerospace sector. As an AS9100 registered company, ASI's services include wire harness assemblies, ground support equipment, component integration and logistical support such as kitting.

ELECTRONIC GROUND SUPPORT EQUIPMENT (GSE)

ASI has designed and manufactured a variety of electronic-based ground support equipment. ASI designs GSE based on clients' specific requirements or build-to-print requirements.

- Fuel Metering Unit (FMU) Tester
- Diverter Valve Control (DVC) Tester
- Breakout Box Antiskid
- Test Kit Brake Temp. Monitoring System
- Engine Simulator Test Box
- Landing Gear Simulator Test Box
- Rigging Set Nose Wheel Steering
- Thrust Reverse Test Box
- Test Set Yaw Damper Servo Actuator
- Simulator Wheel Spin Up
- Cabin Audio Test Box
- FADEC Tester

WIRE AND CABLE ASSEMBLIES

ASI has invested in a variety of specialized wire handling equipment including industry standard UV laser wire markers. ASI assembles and supplies specialized cables and harnesses for the aerospace industry as partial builds or in kit format. ASI's technical staff is skilled in handling a wide variety of military and ARINC style connectors. ASI technicians are currently certified to J-STD-001.

- Landing Gear Harness Assembly
- Harness Passenger Door
- Cable Kit ARINC 429
- Nacelle Harness
- Harness Assembly Nose Gear Bay
- Installation Kit IRS
- Glare Shield Harness
- Wing Harness
- Airborne Coax Assembly

MANUFACTURE AND DESIGN OF ELECTRONIC SYSTEMS

Using the extensive resources of the aerospace cluster in the Montreal region, ASI can offer a fully integrated solution to your product needs. Working with local suppliers, ASI can provide wiring, sheet metal, painting, machining, etc., to yield a compliant subassembly.

- 28VDC Outlet – Bilge Pump
- PCB Assembly – Elevator
- PCB Assembly – Rudder
- Box Assembly – Water Door System
- Plate Assembly – TAWS Warning
- Cockpit Panel Assembly
- Altimeter Sensor Panel Assembly
- Box Assembly Wing Anti Ice
- System Box
- Glare Shield Panel Assembly

SOFTWARE AND SYSTEM INTEGRATION

ASI has established itself as a leader in the area of wideband radio monitoring and direction finding, valuable technologies for today's security in airport environments or at major events such as the Vancouver Olympics where knowledge of your radio spectrum is critical. ASI's spectrum management systems enhance security around airports by building a history of friendly radio traffic data that is used to trigger alarms for undocumented signals detected in real-time. All systems are controlled remotely.

Aerosystems International Inc.

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Aflare Systems Inc. is a privately owned systems engineering, design and development company with strong emphasis on robust embedded control systems, communication solutions and support equipment for the aerospace, defense and medical device industries, where reliability and safety is a top priority.

Since incorporation in 2005, Aflare Systems Inc. has been providing its clients with custom engineering design solutions, including digital and power systems, sensor suites, software applications and real-time control for critical systems. We take great pride in providing high quality products in conjunction with continuous support to exceed our clients' expectations. Our engineering and project management methods and highly innovative designs reflect our team's relentless drive to ensure client satisfaction through cutting-edge technologies and resources.

PRODUCTS AND SERVICES

- Design including simulations, analyses and trade-off studies, development and prototyping of various hardware systems and subsystems including RF communication, instrumentation and sensors for operation in harsh environmental conditions.
- Integration of systems and subsystems with environmental testing and support as well as designs verification and validation.
- Embedded and real-time software control system design, development and implementation for mission critical, safety and high reliability systems.
- Project management and technical leadership excellence with application of industry standards and practices, including military and medical devices standards.



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AgustaWestland, the Anglo-Italian helicopter company owned by Italy's Finmeccanica, is a total capability provider in the vertical lift market.

Through its rotorcraft systems design, development, production and integration capabilities, its experience in the training business and its customer focused Integrated Operational Support solutions, AgustaWestland delivers unrivalled mission capability to military and commercial operators around the world.

This expertise, backed by technological excellence and innovation, makes the company a leader in a number of the world's most important helicopter markets offering the widest range of advanced rotorcraft available for both commercial and military applications.

In Canada, AgustaWestland has a footprint in both the civil and military sector.

Operating as the primary Search and Rescue helicopter for the Canadian Forces, the Cormorant offers an unrivalled capability, operating in any weather over long ranges. Since its inception, the aircraft has carried out a number of record-breaking rescues that have been recognized by agencies throughout the world. The aircraft is praised for its dispatch reliability, for its capacious cabin, smooth ride quality, long range and safety. The SAR Squadrons have regularly completed successful missions where they have flown over 2000nm through snow and ice to save a person's life. This capability has been recognized as a benefit by 14 different agencies of other nations operating the **AW101** in the SAR, VVIP, Maritime, Utility and Special Forces roles. The versatility of this aircraft has led to continued development, which enables additional capability to be offered as upgrades or as new build.

In addition to the military market, AgustaWestland has a number of civil operators using the **AW139**, the **AW109** and the **AW119**. The 15-seat AW139 can be utilized as a utility helicopter or as a VIP helicopter to suit customer requirements. Over 840 AW139 Aircraft have been ordered by 220 different customers in over 50 different countries, making the AW139 the most popular helicopter in its class. A number of different agencies throughout the world have adopted this helicopter to meet their Coast Guard requirements due to its speed, large cabin,

flat floor, excellent power to weight ratio and all-weather capability. It is the benchmark medium helicopter. The smaller AW109 is also built with a superb power to weight ratio that affords unrivaled safety, speed and comfort. The new 10-passenger **AW169** will be certified in 2015 and the **AW189** entered commercial service for Bristow helicopters in 2015 as an 18-passenger offshore variant, and as a SAR helicopter.

The **AW149**, a military 18-passenger utility helicopter with an all-weather and hot and high capability, is also continuing in flight development along with military variants of the **AW139M** and the **AW169M**. Any one of these three helicopters is well positioned to fill the Griffon replacement role as the specification develops in the coming years.

The Company has invested heavily in the introduction of the first civil Tilt Rotor aircraft the **AW609**. This aircraft capable of a cruise at 275Kt TAS, up to an altitude of 25,000 feet and a range of up to 750nm, is a striking introduction of new capability to both civil and parapublic roles.

With the current product range, the AgustaWestland family of helicopters is capable of meeting the needs of government and civil sector demands. By continuing to develop each model, customers have repeatedly returned to the company for additional helicopters or improved capability enhancements to their existing fleet. For further information, please consult the company website at www.agustawestland.com.

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Photo courtesy of Alphacasting Inc.

AIRBUS GROUP



Airbus Group is a global leader in aeronautics, space and defence-related services. Airbus Group works with more than 570 Canadian suppliers across its three divisions. These divisions are: **Airbus**, a leading global aircraft manufacturer supporting the fleets of Canadian airlines; **Airbus Defence and Space**, which provides expertise in public safety, electronics, space systems, as well as tanker, combat, transport and mission aircraft; and **Airbus Helicopters**, a leading helicopter manufacturer celebrating over 30 years of operations in Canada, having delivered one of every two helicopters over the past 15 years.

In 2014, Airbus Group generated revenues of € 60.7 billion and employed a workforce of 138,600 including 2,000 Canadians, buying C\$1 billion direct from Canadian aerospace companies. Airbus Group's close cooperation and collaboration with Canadian universities, the National Research Council (NRC) and industry has led to it becoming a frontrunner for innovation and skills in Canada.

Other Airbus Group affiliates in Canada include Vector Aerospace, a Canadian champion in aerospace maintenance, repair and overhaul (MRO); and Stelia Aerospace, a multi-specialist aeronautics company. Vector employs more than 1,100 Canadians in six locations, and provides support for gas turbine engines, helicopters and avionics to international commercial and military customers. Stelia designs, develops and manufactures aerostructures, cabin interiors and crew seats.

To learn more about Airbus Group, please visit www.airbus-group.com.

Airbus Group

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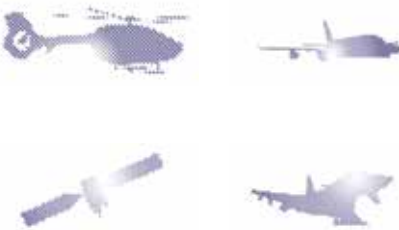
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The **Airbus Group** is a global leader in aeronautics, space and defence-related services. In 2014, it generated revenues of € 60.7 billion and employed a workforce of 138,600 including 2,000 Canadians.

The divisions of the Airbus Group are: **Airbus**, a leading global aircraft manufacturer supporting the fleets of Canadian airlines; **Airbus Defence and Space**, Europe's Number 1 defence and space company, the second largest space business worldwide and a top ten global defence enterprise; and **Airbus Helicopters**, a leading helicopter manufacturer celebrating over 30 years of operations in Canada.

Airbus Defence and Space is comprised of four business lines – **Military Aircraft**, **Space Systems**, **Communication, Intelligence & Security (CIS)**, and **Electronics**. It has a workforce of approximately 40,000 employees and generated revenues of €13B in 2014.

Military Aircraft designs, develops, builds, delivers and supports fixed-wing military aircraft used for combat, search and rescue, transport, ISR and air-to-air refueling amongst other missions. It is a single point of contact for aircraft and ISS. Military Aircraft is a world leader in search and rescue aircraft including the multi-mission capable C295 which is being offered to meet the requirements of Canada's Fixed Wing Search and Rescue (FWSAR) program. The C295 combines a mission-proven, versatile, and robust platform; a flexible mission system that integrates state-of-the-art sensors and data processing; and world-class logistics support. The C295 incorporates very high Canadian direct content and has the lowest life-cycle cost of any aircraft in its category. More than 155 C295s have been acquired by 21 countries. Other aircraft in the Military Aircraft's portfolio include the Eurofighter, the A400M heavy lift transport; the A330 multirole transport and tanker; and unmanned aerial systems.

Space Systems is the second largest space company in the world and an industry leader in the commercial, civil and defence space sectors. Its capabilities include heavy-lift launch systems, satellites, payloads, and ground segment systems. It develops and builds satellites for Earth observation, navigation, meteorology and science

satellites; and communications satellites for military, telephone, television and internet services.

Communications, Intelligence & Security (CIS) is a "one-stop-shop" for satellite and terrestrial communication systems, and intelligence and security solutions. It provides satcom ground terminals, P25 secure radio communications systems, 9-1-1 response centres, border surveillance systems, C4ISR systems, cyber security and geographic information services. Its customers are in both the government (defence, security, public safety, critical infrastructure), and commercial (transportation, energy, mining, agriculture) sectors.

The **Electronics** business line provides high-performance equipment to system integrators within the Airbus Defence and Space, and to external customers worldwide. Its equipment is used in ground, maritime, airborne and space systems used by the civil, defence and security sectors. Its portfolio encompasses radars, IFF systems, EW sensors and systems, avionics, spacecraft platform and payload electronics, and optronics.

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Airbus Helicopters Canada is a subsidiary of Airbus Helicopters Group. Airbus Helicopters Canada is based in Fort Erie, Ontario, with operations in Richmond, British Columbia and Montreal, Quebec. Airbus Helicopters Canada provides a broad range of services: aircraft sales, composite manufacturing, engineering solutions, repair and overhaul and 24/7 nationwide customer support. Its network supports 190 customers who collectively operate more than 690 aircraft in Canada.

Airbus Helicopters, formerly Eurocopter, is a division of Airbus Group, a global pioneer in aerospace and defense related services. Airbus Helicopters is the world's No. 1 helicopter manufacturer and employs 23,000 people worldwide. With 44 percent market share in civil and parapublic sectors, the company's fleet in service includes some 12,000 helicopters operated by more than 3,010 customers in 152 countries. Airbus Helicopters' international presence is marked by its 29 subsidiaries and participations in 23 countries, and its worldwide network of service centers, training facilities, distributors and certified agents. Airbus Helicopters' range of civil and military helicopters is the world's largest; its aircraft account for one third of the worldwide civil and parapublic fleet. The company's chief priority is to ensure the safe operation of its aircraft for the thousands of people who fly more than 3.2 million hours per year.

Airbus Helicopters Canada offers a wide range of multi-purpose helicopters, from the light single-engine EC120, EC130 B4/T2, and AS350 B2/B3e to the twin-engine AS355 NP, EC155, EC225, AS365 and the new generation twin-engine EC135 P3e/T3e, EC145 T2, EC175 as well as the EC225. Airbus Helicopters Canada is part of Airbus Helicopters' global supply chain, operating within a lean manufacturing environment and producing components in single source for the assembly lines in Europe and for Airbus Helicopters Canada designed and manufactured options, including: AS350 High visibility doors, cargo pods, EC120 Heating system, EC130 Cargo pods, cowlings, belly panel, EC135 Horizontal stabilizers, hub caps, boarding steps, EC145 Transmission and engine cowlings and boarding steps, AS365/ EC155 Horizontal stabilizers and end plates and EC225 Luggage box. Most recently, the EC225 engine cowlings.

Airbus Helicopters Canada is a Transport Canada Design Approval Organization as well as an Airbus Helicopters Group Authorized Design Organization. Airbus Helicopters Canada is a center of excellence for the Airbus Helicopters Group for light single helicopters modifications. Its Transport Canada (TC) certified training center offers airframe and engine maintenance and approved pilot training. Airbus Helicopters Canada is a registered AS9100 facility and meets the requirements for Transport Canada's CAR 573, European EASA 145 and FAA FAR 145 maintenance organizations.





Airbus Helicopters has a history of success in military and defence programs around the world. Today, Airbus Helicopters is providing solutions to 130 armed forces worldwide, supplying nearly one-third of the world's rotorcraft fleet. Airbus Helicopters products perfectly fit the requirements for all military and defence missions. In Canada, Airbus Helicopters is the market leader amongst law enforcement agencies and includes prestigious customers like the RCMP, which currently operates a rotary wing fleet of nine helicopters consisting of Airbus Helicopters aircraft only. In the U.S., the Army has awarded Airbus Helicopters with a production contract for 41 additional units of its twin-engine UH-72A Lakota to serve as the Army's new multi-mission Utility Helicopter (LUH); bringing the total order to over 400 aircraft. The extensive military range worldwide also includes the highly specialized NH90 and Tiger platforms.

Airbus Helicopters Canada received ISO 14001 certification in early 2013. ISO 14001 is an international, voluntary Environmental Management System (EMS) standard.

Mr. Romain Trapp
President & CEO
Airbus Helicopters Canada

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Alenia Aermacchi

A Finmeccanica Company



CANADIANS DESERVE THE C-27J

Alenia Aermacchi, in partnership with General Dynamics Canada and DRS Technologies Canada Ltd., is bidding the C-27J aircraft for Canada's pending Fixed-Wing Search-and-Rescue (FWSAR) program.

The C-27J Spartan is the most capable and uncompromising search and rescue aircraft in its class. It is a twin-engine, turboprop, tactical transport aircraft with state-of-the-art technology in avionics, propulsion and systems, resulting in strong performance and cost savings.

Additionally, the C-27J, thanks to its speed, can reach locations anywhere in Canada fast, including those in the far North and at sea. Once at the search location, the C-27J's speed and unrefueled range allow SAR crews to cover the search area quickly and stay on station for extended periods of time.

The C-27J can also take-off and land quickly, virtually anywhere. It can make tight turns, climb and descend rapidly, and was designed for short take-off and landing (STOL) on unprepared fields and landing strips. With a rugged construction, highest in its class power-to-weight ratio, and the ability to perform tight turns, the C-27J is built for the SAR mission.

The C-27J was developed to be interoperable with the existing fleet of C-130s. This includes sharing the same propulsion system and a significant percentage of the avionics. This commonality will reduce cost and spare requirements, as well as the time required to train maintenance personnel, making the C-27J a cost-effective and low-risk solution.

With Alenia Aermacchi's C-27J platform, GD Canada's system integration expertise, DRSTCL's capabilities in training, and Kelowna Flightcraft's experience in MRO, engineering, and supply chain management, this team offers Canada the very best aircraft for FWSAR with a strong Canadian presence. The long-term engineering and maintenance support of the fleet and the resulting long-term, well-paying jobs across the country will make this partnership an outstanding economic stimulus for Canada's aerospace sector.

Canada demands a modern, capable Search and Rescue Aircraft.

Canadians deserve the C-27J.



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Alphacasting specializes in the manufacturing of ferrous, non-ferrous, titanium and exotic alloys precision investment castings by the lost wax process.

Alphacasting is located in Ville St. Laurent in a modern, newly expanded 70,000 sq. ft. facility, which encompasses the latest in equipment and technology, such as fully automated wax injection machines, robotized mould room complete with conveyor systems, state-of-the-art 300 lb. induction melting furnaces and Vacuum pouring furnaces (VIM, VAR/counter gravity). These are just a few of the items that allow us to accomplish the most demanding projects.

ISO 9001:2000, AS9100, NADCAP AND C-TPAT CERTIFIED

Our high standards of quality are the dominant factor in serving high-tech industries such as aerospace, military, microwave, satellite, medical and telecommunications. From the beginning, Alphacasting Inc. has invested in new equipment and technology, and is currently spending 10% of its sales on R & D programs. Our fully equipped laboratory and N.D.T. facilities including x-ray, liquid penetrant, and magnetic particle equipment assure us of complete adherence to customer specifications.

In conclusion, we offer you:

- High quality castings from practically all air melted alloys
- Castings up to 70 lbs. in ferrous alloys, up to 30 lbs. in non-ferrous alloys and titanium castings
- High quality standards
- Wall to 0.030 inch thin
- Elimination of costly machining
- Competitive pricing
- On-time delivery
- Flexibility and ability to respond to your immediate requirements

Alphacasting Inc.

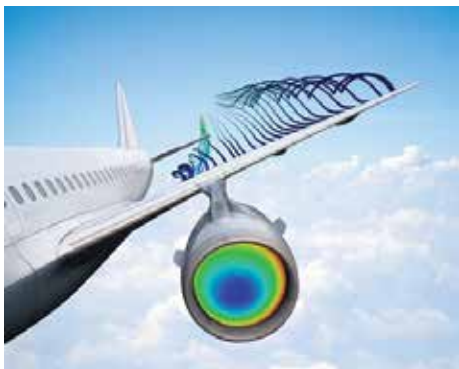
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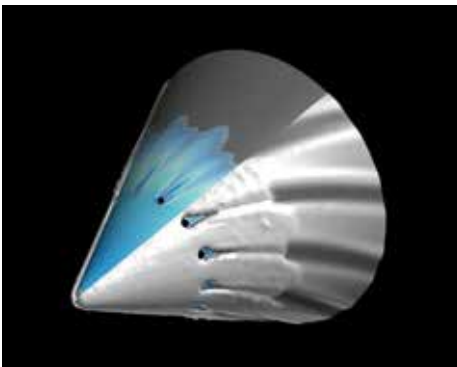
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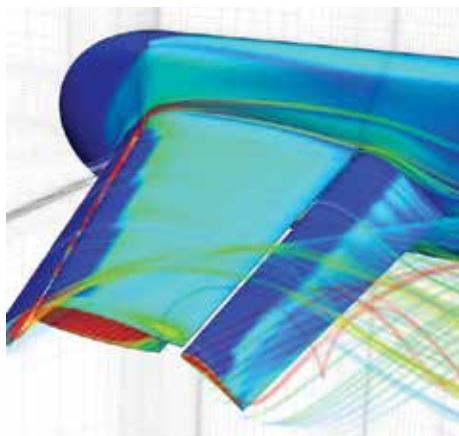
Today's business environment is rife with competitive challenges, customer requirements and financial pressures. This combination of factors has resulted in the need to find new methods for engineering more innovative products and manufacturing processes — while minimizing costs and time to market. Virtually every industry now recognizes that a key strategy for success is to incorporate computer-based engineering simulation early in the development process, allowing engineers to refine and validate designs at a stage where the cost of making changes is minimal.

At ANSYS, we bring clarity and insight to customers' most complex design challenges through fast, accurate and reliable simulation. Our technology enables organizations to predict with confidence that their products will thrive in the real world. They trust our software to help ensure product integrity and drive business success through innovation.



Every product is a promise to live up to and surpass expectations. By simulating early and often with ANSYS software, our customers become faster, more cost-effective and more innovative, realizing their own product promises.

ANSYS technology is used throughout the entire aircraft supply chain from components to whole aircraft and is applied to all major design areas including propulsion, aerodynamics, aerostructures and on board systems such as environmental control, landing gear, avionics and flight control, anti-and de-icing, fuel, pneumatic and hydraulic systems, embedded display and control software.



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Apex Industries Inc. is a multi-divisional company specializing in aerospace manufacturing and assemblies. The Aerospace division is a manufacturer and integrator of structural assemblies, sub-assemblies, kitting and components for the aerospace industry.

Apex's customer portfolio is an impressive list of leading aerospace companies, both commercial and defence. We deal with several major OEMs and Tier 1s, and are on several major platforms for fixed wing and rotary aircraft. Our clients are from Canada, the United States, the United Kingdom and Taiwan. Apex is a Canadian Controlled Goods registered company.

Apex can provide a single part or a complex assembly. Apex's manufacturing and engineering expertise permits the company to provide a wide range of services including:

- Precision machining and sheet metal
- Assembly and integration
- Precision welding
- Complete in-house secondary processing: Chem. clean, chem. film, prime and paint, passivation and NDT

Apex's quality system is based on ISO 9000 and is certified to AS9100C. Apex has Nadcap accreditation for both its in-house secondary processing and welding.

Apex's modern machinery is supported by a robust infrastructure that includes an inventory based ERP system, CATIA V5 modelling software, VERICUT simulation software and an experienced skilled workforce.

Apex has the ability to machine and fabricate complex multi-axis components of all sizes and materials. Apex can turn and mill from solid as well as from castings and forgings. Our CNC machining capabilities include 3-, 4- and 5-axis milling (up to 13 ft.) and CNC turning centres with live tooling (up to 33" in dia. x 120" in length). Apex's CNC punch and brake capabilities can facilitate sheet metal punching and bending of metals up to 50" in width.

On-time delivery is our commitment to our customers. As a global exporter Apex understands how to get the product delivered on time anywhere you happen to need it. We have successfully supplied products to every continent except Antarctica. It's something we do every day for a long list of world-class clients.



KEYWORDS:

Precision machining
Precision sheet metal
Precision machining/sheet metal/assembly/
engineering
Aerospace assemblies

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Arnprior Aerospace Inc.

♦ ♦ Excellence

Arnprior Aerospace Inc. has more than 50 years' experience in the design, production and support of structural components for aerospace and defense applications. Arnprior Aerospace is a wholly owned subsidiary of American Industrial Acquisition Corp (AIAC), a privately held industrial group with a long term mission to build strong companies.

Our success in meeting stringent customer requirements to demanding schedules is due, in large part, to our extensive in-house manufacturing capabilities.

Arnprior Aerospace combines its product design and program management skills with close tolerance fabrication, precision machining, complex assembly and integration, heat treat, chemical processing, and paint capabilities to create superior one-stop shopping value for our customers.

This capability combined with an ingrained Lean Manufacturing and Continuous Improvement culture, yields tremendous value for higher level assembly and integration solutions.



FACILITIES

Arnprior's 3 production sites total 300,000 sq. ft., geographically located to support our customer's needs:

ARNPRIOR ON, CANADA:

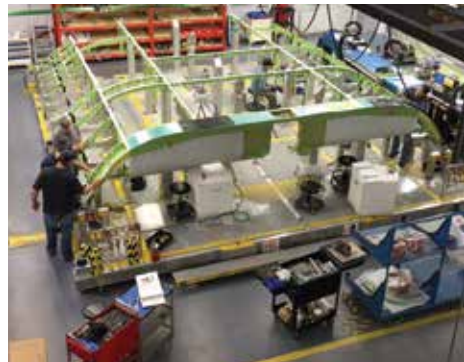
- Head Office
- Design and new products introduction
- Supply Chain Management
- Large scale project management
- Process improvements
- Emergent and specialty support
- Compressed cycles
- Commercial and Defense work-packages
- Fabrication, assembly and integration

CHIHUAHUA, MEXICO:

- Lower cost production
- Manufacturing center of excellence
- Stable, high volume production
- Fabrication and assembly

PORTLAND, OR, USA:

- Machining center of excellence
- Fabrication and assembly
- Kitting



PRODUCTS AND OFFERINGS

We pride ourselves in offering specialist expertise in the design and manufacture of complex multi-commodity structural assemblies such as:

- Cargo doors
- Fairings
- Power and circuit breaker panels
- Avionics racking, shelves and trays
- Electrical / avionics enclosures, cabinets and consoles
- Special purpose structural assemblies
- High tolerance detailed parts and assemblies
- Parts kitting
- Near-net forging and machining cost reduction initiatives

Our special processes are approved by OEMs such as Boeing, Bombardier, Gulfstream, Lockheed Martin and Sikorsky.



CERTIFICATIONS & QUALIFICATIONS QUALITY MANAGEMENT SYSTEM

- ISO9001:2008 + AS9100C Certified

NADCAP ACCREDITED SERVICE OFFERING

- Chemical Conversion Coating
- Boric-Sulfuric Acid Anodize
- Heat Treatment
- Liquid penetrant inspection
- Magnetic particle inspection

QUALITY INSPECTION SERVICE OFFERING

- Faro Arm and Laser Tracker Metrology
- Coordinate measuring machines



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ASA Alloys/Magna Stainless, Divisions of Canadian Specialty Metals ULC, has a nationwide network of distribution centres with access to a comprehensive inventory of specialty metals, along with a wide range of value-added processes. This, combined with our proven worldwide sourcing and procurement, ensures that ASA Alloys/Magna Stainless can provide you with the best product, quality and service in aerospace, aluminum and stainless steel products.

ASA/Magna employs an experienced aerospace sales team who specialize in stocking your aircraft material for the aerospace industry. We carry all grades to support programs from landing gears to small aircraft components.

AIRCRAFT ALLOYS

ASA/ Magna carries a wide array of Aircraft Alloys products which includes:

- Aircraft Alloy Bar
- Aircraft Aluminum Bar



- Aircraft Aluminum Plate
- Copper and Bronze Alloys
- 300M, 15-5, 13-8, 4340, 4330, LGMS 1000, Hy Tuff Ams 6425

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ASCO Aerospace Canada Ltd. (ASCO Aerospace) is the Canadian subsidiary of ASCO Industries, a privately owned Belgian corporation. ASCO is a world leader in the co-development, design, precision machining, processing assembly and certification of complex high strength aircraft components such as flaps and slats mechanisms, engine mounts, landing gear components, etc.

We manufacture components and assemblies for every Airbus, Boeing, Bombardier and Embraer commercial jet. With offices and facilities based out of five countries, we have over 1,300 employees, including 170 located in Canada.

ASCO Aerospace specializes in the design and manufacture of very large aluminum structures (up to 54 feet) and in the design and production of titanium and steel components for slat track, landing gears, engine mounts, bulkheads and other structural parts in the CATIA V5 environment.

The Canadian division is currently involved in the following production programs: Boeing 737, Boeing 747-8, Boeing 777, Boeing 787, Lear 85, CRJ 700/900 and 1000, Cessna Sovereign and Lockheed Martin F-35.

Our quality system is approved to ISO 9001:2000 and AS9100 rev C. We employ 155 people in an 115,000 sq. ft. modern facility. ASCO Aerospace is equipped with state-of-the-art machine tools including one of the largest and most powerful five axis gantry profiler in Canada (190 ft. long) and five very large multi-pallet five-axis horizontal high performance machining centres for both titanium and aluminum structural components.

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Avcorp is one of North America's primary suppliers of system integrated metallic, composite and hybrid structural components and assemblies. Avcorp has over 60 years of experience producing major structures for OEMs and other Tier 1s suppliers.

Avcorp has been recognized for performance excellence in quality, delivery and supplier relationship management by leading airframe builders including BAE Systems, Boeing and Bombardier. With over 350 skilled aerospace technicians and over 120 engineering and support staff, Avcorp and Comtek Advanced Structures (a subsidiary of Avcorp) offer vertically-integrated capabilities.

Dedicated Program Management teams oversee internal capabilities and a broad-based supply chain to provide integrated solutions. Through a robust quality management system, Avcorp ensures compliance with regulatory and special process requirements. This value stream approach ensures customer expectations are met or exceeded, allowing our customers to focus on their core business.

Avcorp's sister division, Comtek Advanced Structures, researches and develops new processes and technologies. A resin infusion technology (VARTM) called Smart Flow and Smart Cure is a technology that has been certified on the Airbus A380. Avcorp has also developed and implemented pulse-line assembly systems utilizing a visual production process that pulses (moves) at a determined rate to significantly reduce assembly labour hours while improving quality performance.

Avcorp Industries Inc. and Comtek Advanced Structures focus on structural wing and empennage components (including fully integrated vertical and horizontal stabilizers), auxiliary fuel tanks, cargo liners, floor panels, engine nacelles and evacuation systems. Below are examples of our product experience:

- Boeing 737NG Wheel-well Fairings, Crew Door Wing Tip Panels
- Lockheed Martin F-35 Lightning II Outboard Wing (Customer is BAE Systems)
- Bombardier CRJ200/700, CL605, CL850, Dash 8 Series 100 and 300 Horizontal Stabilizers and Elevators
- Bombardier CL605 Fuel Tanks
- Bombardier CRJ700 Vertical Stabilizers and Rudders
- Business Jet Wet Center Wing Box
- Boeing CH47 Chinook Nose Enclosure and Tunnel Covers
- Boeing Attendant Partition Panels, Benchtop Assemblies, and Sheet Metal and Machined Details
- Boeing KC135 Ruddevator
- Bombardier Q-Series, CRJ700/900/1000, Global 5000/6000/7000/8000
- Bombardier Global 5000/6000/7000/8000 AV Racks
- Boeing 767 Strut Panels
- Boeing/APB 757 Winglet Adapter Assembly
- Fully-certified OEM and Aftermarket Floor Panels for CRJ series, DHC-8 Q series, ATR 42/72, ERJ 135/145/190/195, Dornier 328 and Saab 340 Aircraft
- Honda Aircraft HA-420 Wing (2007)
- Pratt & Whitney Engine Composite Components

QUALITY ACCREDITATIONS:

- AS9100 Rev C/ AS9110B / ISO 9001:2008
- NADCAP Special Processes:
 - » Chemical Processing
 - » Composites
 - » Heat Treating
 - » Surface Enhancement
 - » Non-Destructive Testing
- Transport Canada:
 - » CAR561 Manufacture and Certification of Aeronautical Products
 - » CAR561 Manufacturing 70-94
 - » CAR573 Maintenance 70-94
 - » CAR505 Design 96-90-02
 - » Designated Airworthiness Organization (DAO)
- EASA.145.7079 Repair
- Customer Proprietary Processes
- Canadian Controlled Goods / ITAR Compliance

CAPABILITIES INCLUDE:

- Engineering Design and Certification
- Airworthiness Certification
- Tool Design/Build
- Product Prototyping, Engineering and Manufacturing Capabilities
- Major Structural Assembly
- System Installation and Testing
- Vacuum Assisted Resin Transfer Molding (VARTM)
- Resin Transfer Molding (RTM)
- Hybrid Fibre-metal Laminates
- Metal Bond
- Sheet Metal Details and Subassemblies
- 3-4-5-Axis Machining
- Robotic Drilling and Trimming
- Composites Manufacturing
- Maintenance/Repair of Composite Products
- Out of Autoclave Processing
- Canadian Controlled Goods/ITAR Compliance



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Aversan is an AS9100C certified global engineering company offering project-based solutions and staff augmentation services both on and off site. Headquartered in Toronto, Ontario, Aversan is a leader in embedded designs for high reliability, mission critical systems along with an expertise in DO-178 & DO-254 safety-certifiable software and hardware. Our product offering consists of:

- Embedded Systems Design, Build, Qualification and Certification (DO-178, DO-254, DO-160) – serving the mil-aero, naval and land systems industries.
- Automated Test Equipment (ATE)
- System Integration Labs (SIL)
- Independent Verification & Validation (IV&V) Services
- Certification Support Services (Transport Canada, FAA, EASA)
- Simulators and In Service Support (ISS) Equipment

Aversan delivers project based solutions as well as engineering services in the form of staff augmentation across a wide range of disciplines including software, hardware, systems, mechanical, test, and program delivery.

Aversan focuses on building long-term relationships with our customers by meeting their unique needs for high value, complex projects. By understanding their requirements, we provide complete solutions to their problems, on time and on budget. Aversan has contributed to several major aircraft programs including the Lockheed Martin F-35, COMAC C919, General Dynamics F-16, Boeing C-17, 747, 777, Airbus A350 XWB and many others.

It's going to be a long journey! Start it off right with Aversan.



ABOUT:

- Canadian
- 150 Employees
- AS9100C
- ITB SME
- ITAR CGP Registered

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Avion provides contract manufacturing services primarily to the aerospace and defence, nuclear, and heavy equipment industries. We manufacture from single part-level items, to final tested multi-level assemblies. We are experts in drive and actuation systems which require gear and spline expertise.

MANUFACTURING

Avion manufactures a wide variety of precision-machined components and sub-systems for clients who require reliable precision parts and components with full manufacturing traceability.

Combining skilled talent with CNC technology, Avion provides the precision, speed, and repeatability to consistently produce parts on-time to extremely close tolerances. We are dedicated to lean manufacturing and on-time delivery, which translates into competitive prices with no pain and hassle of late deliveries to our customers – this is the value we deliver.

DRIVE PRODUCT / GEAR AND SPLINE SERVICES

We offer integrated manufacturing services of drive and actuation products as well as gear and spline cutting services. We provide fully tested actuation assemblies for customers who rely on our components for actuation of critical aircraft control surfaces and mechanical systems.

Complete parts, assemblies, and gear/spline cutting services include:

- Internal/External involute spline cutting services
- Spur/helical gear sets
- Involute and straight splined components
- Precision ground worm and worm gear sets
- Bevel gear sets
- Rack and pinion sets
- Complete mechanical gear design and manufacturing

ASSEMBLY AND KITTING SERVICES

- Gear and drive product assembly
- Installation of hardware – bearings, bushings, joining elements, etc.
- Kitting and stocking services
- Electrical wiring and soldering
- Hydraulics assembly
- Actuator assembly

Avion Technologies Inc.

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aerospace systems



Cost-effective and client-focused, Aviya Aerospace Systems delivers innovative, customized engineering solutions to the world's largest aerospace contractors. Pratt & Whitney Canada, Honeywell and UTC Aerospace Systems are just a few of the clients who have relied on us as a one-stop shop for technical support throughout the product and system development process—from requirements definition and design, to validation and verification.

Our proprietary test environment—with advanced scripting engine, automated execution, and high-fidelity modeling capability—is changing the way mission-critical systems are designed and tested. It's a flexible, complete suite of building blocks to ensure thorough testing. Our certification expertise covers FAA, Transport Canada and EASA, from DO-254 to DO-178B Level A safety-critical systems.

Our diversified team includes both young, energetic graduates and seasoned professionals with years of aerospace experience in various engineering disciplines. We have proven capabilities in:

- **Hardware Engineering:** Aviya's team designs both analog and digital hardware. Our experience in design for harsh environments, including DO-160D, ensures your system performs predictably in all conditions. We specialize in high-power analog electronics and high-density digital electronics with an emphasis on FPGA and ASIC design.
- **Software Engineering:** We specialize in embedded applications and implement software level requirements in C and Ada. Our expertise in DO-178B Level A, SEI CMM capabilities and AS9100B certification enable us to design, test and certify high-quality software.

- **Systems Engineering:** Specializing in both the design and testing of mission-critical control systems, we make certain that all customer application needs are captured, analyzed and simulated through modelling (Simulink, Matlab, SCADE) for an optimum system solution. The result is a concise specification of technical requirements for mechanical, hardware and software development.
- **Mechanical Engineering:** Our mechanical engineering team, with master's and doctorate degrees, are adept in Computational Fluid Dynamics (CFD), thermodynamics, acoustics, and gas turbines. Using the latest tools, our team provides services in analytics modelling and test. We provide long-term outsourcing and onsite project support, as well as short-term task support.

Aviya's program management process provides timely visibility and oversight of every project that bears our name. PMP certified engineers with many years of experience on small, medium, and large projects ensure that "on budget, on schedule" remains our commitment. Our Firm-Fixed Pricing ensures that the price we quote is the only price you pay.

Committed to customer service, focused on engineering excellence, Aviya is your dedicated aerospace systems development partner.

Aviya Aerospace Systems

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BASF Aerospace offers innovations inspired by our dedication to our customers' success. As a result of our extensive industrial experience and proven research and development competencies, BASF presents a broad portfolio across the following market segments:

- Cabin Interiors, Structural Materials and Seating Components
- Fuel and Lubricant Solutions, Coating and Specialty Pigments
- Flame Retardants and Fire Protection
- Other Aerospace Innovations

The aerospace business team at BASF can create the chemistry to help our customers convert challenges into solutions. Connect with technical experts within BASF for answers to specific aerospace questions in the application areas mentioned on our website or any other application area.

BASF Canada, headquartered in Mississauga, Ontario, is a subsidiary of BASF SE, Ludwigshafen, Germany and an affiliate of BASF Corporation, Florham Park, New Jersey. BASF has more than 17,000 employees in North America, and had sales of \$20.6 billion in 2014. For more information about BASF's North American operations, visit www.basf.us. To find out more about BASF's activities in Canada, visit www.basf.ca or follow us on Twitter at www.twitter.com/basfcanada.

At BASF, we create chemistry – and have been doing so for 150 years. Our portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. As the world's leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our products and solutions contribute to conserving resources, ensuring nutrition and improving quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. BASF had sales of over €74 billion in 2014 and around 113,000 employees as of the end of the year.

Further information on BASF is available on the Internet at www.basf.com.

We create
chemistry
that makes
intricate
problems love
direct solutions.



aerospace.basf.com



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BCI is a boutique management consulting firm dedicated entirely to the aerospace market. BCI began offering international business development consulting services for aerospace technologies and products in 2000 for clients in the U.S., Japan, France, Spain and Canada. BCI offers a turn-key business development service that is specialized in all stages of international market penetration for aerospace technologies, products or services. BCI has participated in every stage of business development for aerospace products, from the concept of the technology through to joint ventures, international partnership agreements and everything in between.

TYPICAL SERVICES INCLUDE:

- Strategic Technology Assessment with respect to market trends and anticipated demands
- In-depth Market Assessment with respect to technical, commercial and political risks associated with the proposed offer
- Preparation of Business Cases, Business Plans and Capture Plans for target markets with existing or new products
- Consultation and development with the client to realize new markets during the execution of the business or capture plans
- In-depth contact with the target market and target clients to assess, re-assess, and prepare or update tactics and strategy for market penetration
- Assessment of strategic capital investment initiatives tailored to support market initiatives
- Negotiation of contracts, agreements, joint ventures and M&As in support of Business Plan or Capture Plan activities

BCI prides itself on adding value to its clients through its extensive experience and exposure to international aerospace business development activities. BCI's principal consultants each have in excess of 20 years of experience in the aerospace industry with specific expertise in aerospace design (aircraft and satellites), product development, financing and international relations. BCI is accustomed to working



very closely with the client when sharing strategic information and making recommendations that are intended to build the client's confidence with the business initiative and increase the probability of success.

BCI

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Bell Helicopter is the world's leading producer of rotary-wing aircraft. The Mirabel facility currently manufactures the commercial helicopter lines of Bell Helicopter. The plant is located just north of Montreal in Mirabel, Quebec; it sits on 152 acres of land and houses over 1,500 employees. Bell Helicopter opened its Mirabel manufacturing operations in 1986 and has since produced over 4,600 helicopters for delivery worldwide. Our state-of-the-art facility measures over 660,000 square feet.

Our staff is responsible for the design, manufacturing and after-market support for Bell Helicopter's commercial helicopters. Furthermore, our basic philosophy of attracting enthusiastic, energetic candidates, hiring locally and training extensively has made us an employer of choice. This has resulted in a versatile workforce that is producing helicopters reputed as an industry leader for safe and reliable aircraft. Implementing advanced technology through precise engineering and high quality manufacturing has placed Bell Helicopter among the leaders in Canada's aerospace community.

Bell Helicopter currently produces a mix of light and medium-sized commercial products. The Bell 206L-4 and Bell 407 serve the light, single engine category, while the upgraded Bell 407GXP has an additional 50 lbs (22.5 kg) of carrying capability, coupled with the new M250 Rolls-Royce engine that promotes performance improvement and boosts power and fuel efficiency. The Bell 407AH and Bell 407GT offer the same choices between analogue and modern cockpits, but with additional armed capabilities. The Bell 412 remains the medium-class workhorse of our fleet and the Bell 412EPI features the same avionics upgrades featured on the Bell 407GXP. The light, twin-engine Bell 429 is the 21st century standard for light twins and is in service today with customers around the world—across all market segments. In late 2014, the Bell 505



**Le Bell 429 avec train d'atterrissage
non disponible en France**

Jet Ranger X completed its first flight and the Bell 525 Relentless, the world's first fly-by-wire commercial helicopter, is gearing up for first flight in Spring 2015.

Bell Helicopter's commitment to the commercial market is underscored by the ongoing development and support provided at our Mirabel facility. Bell Helicopter was recently recognized with a top ranking in *Professional Pilot Magazine's* product support survey for the 21st consecutive year. Our industry leading service and support has also been recognized by *A/N* and *Rotor & Wing*.

The Canadian Forces Griffon Helicopter fleet is also supported by Bell Helicopter as part of the current "Optimized Weapon Systems Management" contract. Our Calgary Supply Center provides component repair and overhaul and spares support to all squadrons. Approximately 400 engineers at Mirabel also provide technical investigations, engineering services and flight testing. The government programs team is also involved in major modifications and support projects, which helps the Canadian Forces to best utilize the aircraft.

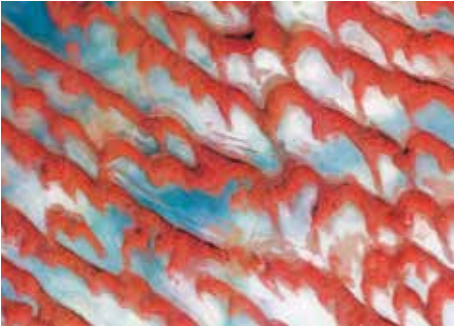
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BlackBridge is focused on providing end-to-end solutions across the geospatial value chain. This includes satellite operations, data centre and geocloud solutions, and worldwide satellite imagery distribution through over 100 sales partners. All this is combined with the creation of value-added products and services.

BlackBridge owns and operates the RapidEye constellation, made up of five satellites that collect imagery over the earth at five-metre resolution in five multispectral bands. A very interesting feature of their band set is the red-edge band, which provides valuable data to derive information about vegetation health. The RapidEye constellation can acquire up to 5 million square kilometres of imagery every day. Since the start of the operations back in 2009, BlackBridge has amassed an archive of more than 5 billion square kilometres of RapidEye imagery.

BlackBridge is the only player in the market able to reliably image large areas at high resolution in short periods of time, even over cloudy regions of the world, given the capacity of the RapidEye system to revisit and image any point on the earth daily, if required. The size of the RapidEye archive, combined with the collection capacity of the satellites, also makes RapidEye imagery an excellent source of information for change detection applications over large areas at high resolution.

BlackBridge has three business units:

RapidEye provides industry leading high resolution multispectral imagery.

Geomatics Canada focuses on distributing RapidEye imagery to the Canadian market, along with data from other imagery providers. Geomatics Canada also develops value-added geospatial information products for the oil and gas market.

Networks provides cloud compute and storage services that are tailored for geospatial data and large volumes of imagery.

BlackBridge

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Headquartered in Chicago, Boeing is the world's largest aerospace company and the leading manufacturer of commercial jetliners and defense, space and security systems. A top U.S. exporter, the company supports airlines and U.S. and allied government customers in 150 countries. Boeing products and tailored services include commercial and military aircraft, satellites, weapons, electronic and defense systems, launch systems, advanced information and communication systems, and performance-based logistics and training.

Boeing employs more than 165,000 people in more than 65 countries. In Canada, Boeing employs more than 2,100 highly skilled workers at Boeing Winnipeg; AerolInfo, Richmond; Jeppesen (Carmen Systems), Montreal; C-17 field service support, Trenton; Boeing Commercial Aircraft field service offices, Montreal, Toronto, and Calgary; Medium-to-Heavy-Lift Helicopter (MHLH) field service support, Petawawa; MHLH parts warehouse, Renfrew; Business Development and the MHLH program office, Ottawa; and several Aviall Customer Service Centers. Canada is also home to one of Boeing's largest supplier bases, with more than 200 suppliers spanning every region of the country.

Canadian partners provide commercial and defence aerospace parts for Boeing commercial aircraft models including V-22 and Chinook rotorcraft, T-45 training aircraft, F-15 and F/A-18 fighters, the P-8A maritime patrol aircraft, and the C-17 Globemaster III strategic airlift aircraft, as well as aircraft trainers. Combined with the Boeing facilities, this supply network contributes approximately \$1 billion in economic benefits annually to the Canadian economy.

Boeing has a major role in the ongoing transformation of the Canadian Forces by modernizing 80 of Canada's CF-18 fighter jets with a two-phase avionics upgrade program. Boeing also provides the Canadian Navy's all-weather Harpoon missiles, several of the Anik series satellites, and supply chain services to fleet support programs. In addition, the Canadian Department of National Defence has procured five C-17 Globemaster III aircraft to modernize its defence forces airlift fleet and 15 Boeing CH-47F Chinooks to meet Canada's current and future domestic and international missions requiring medium-to-heavy helicopters.

Boeing Canada

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BOMBARDIER

the evolution of mobility



Bombardier is headquartered in Montreal, Canada. Its shares are traded on the Toronto Stock Exchange (BBD) and it posted revenues of \$20.1 billion in the fiscal year ended December 31, 2014. Its three aerospace business segments (Business Aircraft, Commercial Aircraft and Aerostructures and Engineering Services) employ approximately 34,100 people.

Bombardier is a world leader in the design and manufacture of innovative aviation products and a provider of related services for the business, commercial, specialized and amphibious aircraft markets. It also offers aerostructure components, technical services, aircraft maintenance and pilot training.

Bombardier Commercial Aircraft offers a complete range of single-aisle, commercial aircraft optimized for best-in-class efficiency with the highest level of customer service. Its product portfolio includes the Q400 NextGen* turboprop, the CRJ NextGen* family of regional jets, and the CSeries* airliners – the world's newest and most advanced single-aisle, mainline aircraft for the 100 to 149 seat market segment.

Bombardier also offers the industry's broadest portfolio of business jets with its Learjet*, Challenger* and Global* aircraft families. In the Light category, the Learjet 70* and Learjet 75* aircraft feature fast cruise speeds, high climb rates and operating ceilings, and competitive operating costs. In the Medium category, the Challenger 650* aircraft will enter into service in the second half of 2015, joining the Challenger 300*, Challenger 350* and Challenger 605* aircraft. Finally, the Global* aircraft family comprises the Global 5000* and Global 6000* jets and will soon welcome the Global 7000* and Global 8000* jets. This new aircraft program is making great progress with the manufacture and assembly of major parts for the first flight test vehicle.

The company supports its customers around the globe through an international network of field service personnel, wholly owned and authorized service centres, 24/7 customer response centres, a mobile parts delivery service, spare parts depots and training centres.

Bombardier is committed to developing new products that meet the continually evolving needs of its customers and has successfully launched 33 aircraft development programs since 1989.



* Bombardier, Challenger, Challenger 300, Challenger 350, Challenger 605, Challenger 650, CRJ, CSeries, Global, Global 5000, Global 6000, Global 7000, Global 8000, Learjet, Learjet 70, Learjet 75, NextGen, Q400 and The Evolution of Mobility are trademarks of Bombardier Inc. or its subsidiaries.

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Brownrigg-Smith Consulting Inc.

Brownrigg-Smith Consulting, Inc. (BSC) is a leading authority in the Canadian Industrial Participation (IP) Policies, Value Proposition (VP), Industrial and Technological Benefits (ITB)/Offset and provides support services to clients in Canada and around the globe. BSC assists our clients to achieve their Industrial Participation obligations to Canada in a managed-risk approach, balanced through a strong integration of defence, scientific, technological, industrial and regional strategies, and related economic activities throughout Canada. BSC assists our clients in developing strategic IP programs as an integral component of their Aerospace Procurement capture strategy, including innovative solutions that fulfill their IP obligations while managing their program risk and optimizing supply-chain decisions.

Established in 1996, BSC works as a strategic partner with our client organizations to establish IRB programs that are a Success Story. BSC is intimately knowledgeable with all aspects of the Canadian IP Policies. BSC assists our clients in the identification and support of Canadian industrial participants that foster innovation, technology development and commercialization capability that strengthens the aerospace economic foundations of Canada. BSC develops IRB proposals with strategies to enhance the

Aerospace Project's business case, establishes IP deliverables within the procurement process, develops IP plans maximizing Value Proposition activity, and optimizing causality and implementation flexibility, develops and delivers additional business activities and transactions, manages claims and progress reports, and conducts program reviews. BSC utilizes proven processes and support tools to manage the IP program and its financial risk.

BSC coordinates IP project management activities as well as provides information and analysis pertinent to Project implementation and development to enable our clients to pursue and develop IP-eligible business opportunities in Canada.

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Bryce Industries Inc. is a Canadian chemical company with 20 staff, established 25 years ago. Bryce Industries is in conformance with AS9120 and ISO 9001:2008 certification.

We provide customized chemicals for aerospace application and have a sterling reputation for environmentally friendly replacement products (i.e. DS-108F Wipe Solvent and Environmental Gun Wash Cleaner). We also fully support the implementation of our products and have a proven track record for efficient and effective new materials training. Our customer list includes Boeing, Bombardier Aerospace, L-3 Communications, Department of National Defence and Air Canada.

We supply to MROs across Canada.

Bryce Industries also has a very aggressive research and development program that focuses on bio-, nano- and applied specialty chemicals pertaining to aerospace. We have

expertise in developing nano-based coatings for aerospace applications.

Supporting these activities, we have very experienced staff, three ISO approved facilities, adequate space for inventory and a national supply program.

Our objective is to further our relationship with the aerospace industry.

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Burloak Technologies is Canada's first contract manufacturer providing production level additive manufacturing for metal and plastic components in addition to multi-axis CNC machining capability.

Founded in 2005 the company has continually invested in leading edge technologies to better service our customers. In 2014 the company initiated the first round of a major investment initiative to create a world leading additive manufacturing facility for the aerospace sector and other advanced industries.

Burloak's team is committed to the highest quality and have already achieved registration to AS9100 and ISO9001 and plan to implement ISO17025 and ISO 140001 in the near future.

SERVICES WE OFFER INCLUDE:

DIRECT METAL LASER SINTERING (DMLS) FOR COMPONENTS IN

- Inconel IN718 & IN625
- Titanium Ti6Al4V ELI & Ti6Al4V
- Cobalt Chrome UNS R31538 ASTM F75
- Aluminum ALSi10Mg
- Stainless Steels 316L - 18Cr-14Ni-2.5Mo, 15-5 & 17-4PH
- Maraging Steel (H13)

SELECTIVE LASER SINTERING (SLS) FOR PLASTIC COMPONENTS IN

- Polyamide 12
- Polyamide 12 Glass Filled
- Polyamide 12 Carbon Fiber Reinforced - Carbonmide
- Polyamide 12 Flame Retardant
- Polyamide 12 Aluminum Filled - Alumide
- TPE-A-Polyetherimide-Block-Copolymer - Flexible Rubber
- Polystyrene - Primecast 101
- and others....

CNC MACHINING USING STATE OF THE ART TECHNOLOGIES

- 5 Axis CNC Milling
- 4 Axis CNC Turning with hobbing capabilities
- 3 Axis CNC Milling
- 4 Axis Wire EDM
- Ultra Finishing/Polishing and deburring
- Shot Peening
- Assembly

OUR INSPECTION & REVERSE ENGINEERING CAPABILITIES INCLUDE

- 2 Zeiss CMM's with 3D Laser scanning and Gear inspection capabilities
- Multiple Laser Trackers
- Multiple Portable Arm CMM's
- 3D Laser Scanning
- 3D Long Range Scanning

All of the above is supported by a complete engineering services team of 3D CAD, CAD/CAM, Reverse Engineering, 3D Modeling, Component development.

Burloak is located in Dundas, Ontario close to major highways and airports with access to a skilled and well educated workforce from the numerous local educational institutes.

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Peter Adams
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CAE is a global leader in providing comprehensive training solutions based on world-leading simulation technology and integrated training services. The company employs 8,000 people at more than 160 sites and training locations in 35 countries. Our vision is to be our customers' Partner of Choice and we take a long-term approach to customer relationships. We offer our civil aviation and defence and security customers a complete range of highly innovative product, service and training centre solutions designed to help them meet their mission critical needs for safety, efficiency and readiness. We provide similar solutions to customers in healthcare and mining.

CAE has the largest installed base of civil and military flight simulators, supported by a range of after-sales services, and has been serving the needs of its customers for nearly 70 years. We have the broadest training services network in the world and offer civil aviation, military and helicopter training services in 67 locations worldwide and train more than 120,000 civil and military crewmembers annually.

CAE was founded in 1947 and is headquartered in Canada. With customers in more than 190 countries, CAE has the broadest global reach of any simulation and training equipment and services company on the market.

Ninety percent of CAE's annual revenues are derived from international activities and worldwide exports. CAE's shares are traded on the Toronto and New York stock exchanges (TSX: CAE; NYSE: CAE).

CORE BUSINESSES

CIVIL AVIATION

With more than 235 full-flight simulators in more than 50 aviation training locations serving over 3,000 airlines, aircraft operators and manufacturers globally, CAE is a world leader in aviation, maintenance and crew training services. CAE offers tailored training services ranging from integrated training programs to deployable ground school capabilities and crew sourcing services. The company has the broadest portfolio of capabilities with an end-to-end training and crew sourcing solutions.

CAE is the world's leading supplier of civil full-flight simulators, with over 1,000 simulators and flight training devices sold to more than 130 airlines, aircraft manufacturers and training centres. CAE has simulated almost every modern airliner, regional jet, and many business jets, and the company has developed the first simulators for many aircraft types.

DEFENCE AND SECURITY

CAE serves over 50 defence and security forces from more than 30 countries. CAE is an ideal training systems integrator, capable of offering governments, defence forces and original equipment manufacturers (OEMs) across air, land, sea and public safety a comprehensive range of innovative training solutions designed to cost-effectively meet specific training and readiness requirements.

CAE offers the industry's most comprehensive range of simulation products and training services related to flight simulation, and no company has more experience or capability to deliver a turnkey training centre. The company has designed simulators for the greatest variety of helicopters, and is a recognized leader in developing simulators and training systems for transports, tankers, maritime patrol aircraft, lead-in fighter trainers, and combat/fighter aircraft.

Beyond simulation and training, CAE also provides systems integration, systems engineering and in-service support for operational platforms. In Canada, the company has a wealth of experience providing engineering information environments, fleet management services, lifecycle and integrated logistics, and other support services designed to efficiently and cost-effectively operate and maintain operational weapon systems. In early 2015, CAE announced it will acquire Bombardier's Military Aviation Training business, which includes the NATO Flying Training in Canada (NFTC) program.

CAE Inc.

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**SPACE ACCESS FOR ALL THROUGH
SMART, INNOVATIVE AND COST-EFFECTIVE
TECHNOLOGY AND BUSINESS SOLUTIONS.**



Canadensys Aerospace Corporation is a Canadian-owned and managed space systems & services company with a focus on accessible space. The company is founded on heritage and expertise spanning a number of Canada's historic space achievements of the last 3 decades, blended with micro and nano space technologies and modern, commercial business approaches to space program and mission development.

Canadensys offers products and services across two main business lines: Space Services and Space Exploration.



Space Services: Leveraging a suite of responsive space tools and techniques from hosted payloads, nano and micro satellites to innovative project delivery and commercial business models, Canadensys is committed to exceeding customer expectations with tailored commercial, governmental and scientific solutions that lower traditional entry barriers to space-based services.



Canadensys space services span communications, asset tracking & management, environmental monitoring, surveillance & situational awareness, defense & security, scientific research and space education.

Space Exploration: Leveraging the performance available from today's smaller systems and applying modern, commercial business models to space development, Canadensys is dedicated to doing its part in providing more affordable missions, to more people and in more accessible ways to ensure everyone can truly participate and share in the knowledge, advancement, economic return and sheer adventure of global space exploration.

Offerings span accessible missions, systems, instruments and subsystems in support of science and exploration initiatives to the Moon, Mars and beyond.

Canadensys Aerospace Corporation

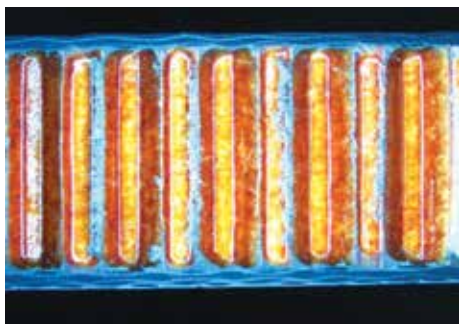
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The Canadian Composites Manufacturing R&D Inc. (CCMRD) is an industry-led consortium with a mandate to develop and demonstrate advanced composite manufacturing technologies in Canada. The CCMRD brings together major aerospace companies and small to medium-sized enterprises to develop and transform the latest technical and academic knowledge into practical solutions that will enhance Canada's global competitiveness. It assists in advancing technological capabilities while building stronger relationships between Canadian and international aerospace original equipment manufacturers, as well as high technology composites component manufacturers and material, equipment and software suppliers. Industry-led multiple partner pre-competitive projects are performed at various locations across Canada at industry, research laboratory and university locations, leveraging the most suitable resources and capabilities to complete the project.



The CCMRD is aligned with Canada's Industrial and Regional Benefits (IRB) policy with international partners such as The Boeing Company, and is able to make investments in the Canadian economy as a result of being awarded defense and security contracts with the Canadian government that require off-set expenditures within Canada.

For more information on the current CCMRD members: www.ccmrd.ca/members-and-partners

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The Canadian Light Source (CLS) is Canada's national centre for synchrotron research and is a global leader and a recognized centre of excellence in synchrotron science and its applications.

Located in Saskatoon, the CLS is a highly advanced research tool that generates intense beams of brilliant light needed to view the microstructures of materials. One of the most powerful synchrotron facilities worldwide, CLS offers industrial science solutions in advanced materials. Whether used to study failure of surface coatings or development of next generation lubricants, synchrotron research is a key tool in aerospace industrial research.

RESEARCH AT THE CLS IS DRIVING CANADIAN INNOVATION LEADING TO:

- The development of new materials for diverse applications ranging from faster computing to energy storage
- Characterization of ceramic coatings on jet engine components at operational temperature
- Mapping of stresses in the leading edge of turbine blades due to foreign object damage
- Aid in the development of solid and liquid lubricants for applications in extreme environment, such as high and low temperature and the vacuum of space
- 3-D structure determination for non-destructive analysis of electronic packages

- Understanding the role of microcracks in the mechanical properties of brittle matrix composites such as carbon/carbon
- Calibration of spectrometer components for deployment in geostationary satellites
 - » Fabrication of micromechanical devices (MEMS) for space exploration
 - » Chemical characterization of metallic glasses, alloys and carbon composite materials

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The CanRep Group consists of four companies: two located in Canada, one in the U.S. and one in the UK.

CANREP INC.

Of the two operating companies in Canada, CanRep Inc. located in Mirabel, Quebec, provides distribution, logistics and MRO services to national and international customers. The distribution service is focused on aircraft interior parts and components, engine components and mounting systems, aircraft hardware, surveillance and security systems as well as environmentally compliant cleaning solutions for manufacturing and maintenance operations. CanRep is also AMO approved for ATA 25 (Aircraft Furnishings) and ATA 38 (Waste/Water) systems. CanRep is the exclusive global distributor for engine mount hardware for a series of aircraft including the DHC 7 and 8 (100, 200, 300). It is also the global channel distributor for Lord's Aircraft Interior Isolation mounts. As an ATA 38 AMO, CanRep is the premier supplier to Air Canada and AAR (Canada).

AVTEC AERO MAINTENANCE INC.

The second Canadian operating company, AvTec Aero Maintenance Inc., is AMO approved by Transport Canada, FAA (bilateral Agreement) and EASA. It provides MRO services across the helicopter and business/regional aircraft market encompassing hydraulics, electrical power generation and distribution, fuel systems, pneumatics, interior and exterior lighting, brakes and landing gear systems.



Our ATA capabilities include 21, 24, 27, 28, 29, 30, 33, 36, 76, 77, 79 and 80. We serve Bell, Eurocopter and Agusta helicopter operators and Beech 1900, KingAir, DHC7 and 8, ATR42/72 as well as the lighting systems in the Airbus family.

Combined with the offices in the United States and England, CanRep and AvTec are ideally situated to provide distribution and MRO services to customers located around the globe and provide front-line service for those foreign OEMs who cannot support directly in country their components and accessories.

The CanRep Group Inc.

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sales@canrep.com
sales@avtecaero.com



**we build
TRUST**



AREAS OF EXPERTISE

- Public Key Infrastructure (PKI) Consulting
- Identity Management
- PKI Architecture Design and Implementation
- Federated Identity Design and Implementation
- Authentication and Authorization Integration
- Identity Technology Development
- Training and Assistance
- Managed PKI Services
- Certificates for Testing, Personnel or Devices

NOTABLE ACHIEVEMENTS

- Worked with Honeywell to develop Secure ACARS
- CertiPath Cross-Certified Credential Provider
- Policy and Practice development for I&AM architecture for Boost Aerospace
- Technical support and advice to AEEC, ATA DSWG
- Assisted several entities for implementation of secure aircraft software parts management and validation
- Assisted HID Global to establish a PIV-I compliant PKI cross-certified with CertiPath
- Assisted EADS corporate PKI to be cross-certified with CertiPath

Carillon is capable of providing familiarization and implementation assistance for some of the next generation air transport industry technologies, such as AEEC 827 software crates and Digital Authorized Release Certificates.

Carillon Information Security Inc. is a consulting and project implementation firm specializing in identity and access management, and more specifically in solutions based on Public Key Infrastructure (PKI) and

Federated Identity tools. Since its creation in 2001, Carillon has provided the aerospace and air transportation communities with guidance, best practices, proven knowledge and cost-effective solutions to make for easier, more seamless integration of identity management improvement projects.

Our participation has ranged from observation and advising to full-fledged architectural design and implementation. We have also provided policy conception and writing, training and standards compliance assistance. We are not only recognized, but also frequently cited in our industry as the benchmark and measure of excellence for our methods, policies and processes.

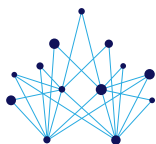
Whether your company wishes to build its own infrastructure, make use of your partners' or suppliers' infrastructure, or find the best solution based on your budget and needs, our highly experienced and proficient team will help you achieve a higher level of security assurance.

Carillon Information Security Inc.

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C A R I C

CONSORTIUM FOR AEROSPACE RESEARCH AND INNOVATION IN CANADA (CARIC)

The Consortium for Aerospace Research and Innovation in Canada (CARIC) is a non-profit organization established in 2014 with the financial support of the Canadian government.

MISSION

- To facilitate communication and collaboration among aerospace companies, researchers and academics, and to provide financial support to collaborative R&D projects;
- To launch initiatives whose primary purpose is to serve as catalysts for collaboration to help overcome silo effects and promote faster, more relevant R&D.

CARIC's Open Innovation approach focuses its activities on real-world issues, with the purpose of creating wealth for Canadians chiefly through the commercialization of world-class aerospace products. This approach also reinforces a sense of community and generates a more acute awareness of the industry's capabilities, needs and challenges across the whole supply chain.

CORE BUSINESS

- Industry-focused R&D projects leading to innovative solutions

CARIC aims to be Canada's key facilitator in aerospace research and development. It therefore provides strategic, financial and administrative support encouraging the Canadian aerospace industry and research community to increasingly collaborate and achieve excellence through research and innovation.

CARIC's activities are supported in its regional offices with the collaboration of existing provincial associations. Together, they ensure regional awareness and provide a presence coast-to-coast.

THRIVE THROUGH INNOVATION: JOIN CARIC'S COMMUNITY

With CARIC, the Canadian aerospace community benefits from highly leveraged multi-party collaborative R&D projects in three ways: highly innovative solutions, highly qualified manpower and a reinforced network. Industries, universities, colleges, research centers, federal and provincial governments and a host of aerospace and technical organizations are invited to join CARIC's program and activities.

CARIC membership is opened to OEMs, SMEs, universities, colleges and research centres. Visit our website to learn more about us!

CARIC – Consortium for Aerospace Research and Innovation in Canada

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Denis Faubert President & CEO

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Cascade Aerospace Inc., an **Operating Unit of IMP Aerospace and Defence**, is a Canadian-owned private company whose business model, management structure, and processes are focused on providing cost effective solutions and enhanced aircraft availability to military and commercial operators.

Cascade is one of only two Authorized Lockheed Martin C-130J Heavy Maintenance Centers in the world, as well as an Authorized Lockheed Martin Service Center.

Additionally, Cascade is a leading Bombardier after-market product and services provider including aircraft upgrades & specialized modifications.

SERVICES

- Comprehensive Program Management
- Performance-Based Fleet Management
- Major & Minor Aircraft Modifications
- Maintenance, Repair, and Overhaul
- Full Spectrum Engineering Services
- Integrated Logistics Support
- Materiel Management
- Component Repair and Overhaul
- Operational Unit and In-Field Support



ENGINEERING SERVICES

As Canada's longest-serving Design Approval Organization (DAO), Cascade provides full engineering services:

- Design, analysis and testing for aircraft repairs, modifications and installations
- STC product design, development and certification
- "Cradle to grave" product life cycle management
- Continuing airworthiness and technical support
- Configuration and modification management
- Structural life extension programs
- Technical data and publications management

PRODUCTS

Cascade designs, certifies and manufactures quality products:

- C-130 Operational and Maintenance training systems
- Avionics, Systems and Structures aircraft modification and upgrade kits
- Bombardier aircraft cargo solutions
- Special Purpose aircraft and systems

Cascade Aerospace Inc.

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Celestica™

LEADERSHIP YOU CAN TRUST. EXPERIENCE THAT DELIVERS.

Celestica is a proven industry leader in high-complexity, mission-critical applications for the Aerospace and Defence markets. Our dedicated team of industry experts is committed to protecting your brand and managing risk with advanced regulatory compliance, IP protection, and supply chain and technical expertise.

Through our efficient global design, engineering, manufacturing, logistics, after-market and supply chain network, we deliver quality, cost-competitive solutions. Our global Aerospace and Defence Centres of Excellence are designed to manage the continuity of our customers' supply chains, and help with direct offset arrangements, while employing the processes, skill set and tools to meet the very stringent requirements of our customers.

CELESTICA PROVIDES A BROAD RANGE OF SERVICES TO MEET YOUR NEEDS:

- Complex printed circuit assembly (PCA), system assembly, system integration and box build
- Program and engineering support
- Design services
- Test development, technology and product assurance
- Post-manufacturing services ranging from logistics management to after-market services
- Regionally based, global supply chain expertise
- Commercial-off-the-shelf (COTS) and modified COTS solutions for enterprise IT and radio frequency (RF) communications
- Obsolescence management
- Re-design for RoHS compliance

CERTIFICATIONS AND STANDARDS:

- ISO 9001 – Quality Management System
- ISO 14001 – Environmental Management System
- OHAS 18001 – Health and Safety Management
- AS9100 – Aerospace Quality Management
- AS9102 – Aerospace First Article Inspection
- Nadcap Electronics – Cable and Harness Assembly

- Nadcap Electronics – Circuit Card Assembly
- ANSI/ESD S20.20 – Protection of Electrical and Electronic Parts
- J-STD-001 – Soldered Electrical and Electronic Assemblies
- IPC-A-610 – Acceptability of Electronics Assemblies – Class 3
- CGP (Controlled Goods Program)/ITAR (International Traffic in Arms Regulations)
- C-TPAT – Customs-Trade Partnership Against Terrorism
- PIP – Partners in Protection
- CAS/TINA
- IRB accounting

EXPERIENCE YOU CAN TRUST:

- 2014 winner of Assemblies Supplier of the Year Award from Rockwell Collins
- 2012 winner of the Frost & Sullivan Global EMS Aerospace and Defence Company of the Year Award
- A reputation for providing technology leadership and quality PCAs to the JPL Consortium (Jet Propulsion Labs, NASA)
- Celestica's vibration lab in Toronto has been used to test the grapple portion of the "Canadarm" used on the Space Shuttles
- Recognized expertise/services surrounding environmental legislation including Restriction of Hazardous Substances (RoHS)
- Lean and Six Sigma Operations

Celestica

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Aerospace and Defence

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CFN Consultants is a partnership established in 1983 to provide strategic advice and direct support to the defence and security industry in procurement, contracting and market opportunities. The partnership has expanded well beyond its initial involvement in defence procurement and services and now serves a broad community of clients. These have included government departments and agencies, but the concentration is with Canadian and offshore companies – from small to large – in the defence, high-tech, aerospace and IM/IT sectors.

CFN provides advice and support to industry on government relations, procurement opportunities and priorities, and on terms and issues related to contracting. Consultants are also active in providing guidance and assistance with business and marketing plan preparation, proposal preparation and review, contract and negotiation guidance, and lifecycle support. Moreover, CFN provides extensive assistance to companies with Industrial and Technological Benefits (offset) obligations – from strategy development, to detailed planning, to researching opportunities, to the submission of transaction proposals and value propositions. With its extensive network throughout the industry, CFN is able to facilitate linkages between those with ITB obligations and those who can assist in fulfilling them.

CFN has consultants located in Edmonton, Victoria, and Halifax. CFN Consultants (Atlantic), based in Halifax and providing similar services, can be contacted at 902-491-4279. Overall, the extensive background of the partnership team, gained through previous senior government, military and industry appointments, gives CFN a depth of experience and knowledge to effectively assist clients in all aspects of the interface between the public and private sectors. The partners of CFN and their associates are well-known to the leaders of both industry and government and have earned the respect of both for their capabilities, judgment, integrity, experience and discretion.



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COM DEV International, the largest Canadian designer-manufacturer of satellite technology, has delivered high-quality and innovative space hardware since 1974. We produce passive microwave equipment, rf electronics and optical systems for satellites used for global communications, space exploration, earth observation and surveillance. These satellites are used by commercial, civil and military operators.

COM DEV has global expertise, employing over 1,300 people in seven facilities located in Canada, the UK, India and China. We count all of the major satellite prime contractors, and many governments, among our customers. COM DEV products are onboard over 900 spacecraft representing over 600 satellite programs.

Historically, COM DEV's core strength has been building radio-frequency filtering and switching products, particularly large integrated multiplexing and switching assemblies for the commercial satellite market. While these core products remain an important part of the current product line and the company's space heritage, today COM DEV is also a leading-edge technology source of space electronics, high-end SAW devices, optical instruments, satellite search and rescue transponders, microsatellites and microsatellite mission solutions. Due to this diversification, approximately half of COM DEV's revenues now come from civil government and military sales.

COM DEV also has a strong heritage of cooperative development programs with, and custom engineering solutions for, Canadian, U.S. and European space agencies and defence departments. COM DEV is CGP cleared and invests heavily to make proficient administration of ITARs and other export regulations, a competitive discriminator.

**WE HARNESS INNOVATIVE
AEROSPACE TECHNOLOGIES TO
CONNECT PEOPLE, SOLVE GLOBAL
ISSUES AND ENRICH SOCIETY.**



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Conair Group Inc. is a privately-owned Aviation Company specialized in the provision of aerial fire control services and products. Conair is headquartered at the Abbotsford International Airport in British Columbia, Canada.

Conair has provided world class Aerial Forest Fire Management services to a wide variety of Domestic and International Forest Protection Agencies for over 45 years and continues to work closely with numerous Protection Programs to find innovative solutions to economic, operational and technical challenges. Conair's corporate and business strategy is singularly focused on providing Aerial Forest Fire Management Services and Products. Conair has developed and introduced a multitude of next generation Airtanker and Birddog aircraft for leading our customer air attack programs in effectiveness and efficiency.

OUR HISTORY

Originally called Conair Aviation Ltd., the company was formed in 1969 as a subsidiary of Skyway Air Services of Langley, British Columbia. Current President and CEO Barry Marsden was one of the founding members of the company that began with 35 employees and 19 aircraft. While initially doubling as both a budworm spraying and aerial firefighting business, the next two decades saw significant expansion of Conair's fleet, capabilities and services in the aerial firefighting sector.

Today, with 250 employees and 62 aircraft, Conair is a world leader in aerial fire control services and products.

Protecting Our World



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Nadine Fedyk

Executive Admin Support

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The Consortium for Research and Innovation in Aerospace in Quebec (CRIAQ) is a non-profit organization established in 2002 with the financial support of the Quebec government.

CRIAQ is an effective model of collaborative industry-led research involving universities and research centres. The consortium promotes collaboration between industry and research specialists to identify and implement precompetitive projects that meet industry requirements.

CRIAQ collaborates closely with its national counterpart, the Consortium for Aerospace Research and Innovation in Canada (CARIC). By joining forces, these consortiums can leverage their respective resources to support projects and activities on a larger scale.

CORE BUSINESS OUTCOMES

- Over \$107.6M in total value for completed and current projects
- 110+ completed and current projects
- 250+ transferred technology licenses

RESEARCH AND INNOVATION COMMUNITY

- 55+ industrial members
- 25+ academic members (universities, colleges and research centres)
- 1,000+ academic researchers and industrial specialists involved in our projects
- 900+ students trained in CRIAQ projects

INTERESTED IN TAKING PART IN CRIAQ RESEARCH PROJECTS?

Through CRIAQ, businesses have access to the expertise of renowned researchers and financial resources that will greatly enhance their initial R&D budget. For a small business, this can represent up to 30 times its project contribution. Researchers thus benefit from financial support from a range of sources and contribute to technological advances in the industry.

Many opportunities to join our collaborative research projects are currently open. Visit our website to learn more about us!

CRIAQ – Consortium for Research and Innovation in Aerospace in Quebec

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Denis Faubert

President & CEO

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ABOUT US

Convergent Manufacturing Technologies, Inc. is a world leading provider of composites process simulation software and hardware, and engineering services for efficient composites manufacturing. Our products and services enable composites manufacturers to reduce manufacturing risk, shorten development times, and lower manufacturing cost.

REDUCING RISK IN COMPOSITES PROCESSING

Convergent has a strong foundation in the science of composites processing, which in conjunction with decades of industrial experience and technology development produces unique and innovative solutions that support our customers' manufacturing needs.

When done right, composites manufacturing brings great reward in both cost and efficiency of structure. However, there is significant risk in getting the process right. Process simulation allows you to efficiently study the effect of process parameters such as cure cycle, tool design, and oven/autoclave performance on the outcome of the process. A quantitative understanding of these relationships will reduce risk in process development, guide you towards robust and efficient processes, and reduce the amount of testing required. Additionally, having effective tools to reduce risk and save time when in production allows for a streamlined throughput and lower failure rates.

Convergent has experience supporting major new airplane programs as well as research and development programs. Our pragmatic and cost-effective approach to process design provides significant returns to our customers. With our process design support tools, you can reduce risk and uncertainty at every step: from initial trade studies to detail design and production. Our customers include more than half of the top twenty aerospace companies in the world.

PRODUCTS

Our software products, COMPRO and RAVEN, enable composites process modelling from the simple to the sophisticated that allow you to meet engineering specifications, and to reduce risk and cost. Our newest hardware product, COHO, is a gas flow and vacuum leak detection system (pat. pend.) that saves significant time in production by detecting and localizing vacuum leaks.

Convergent provides a full suite of analysis tools. Simple graphical process maps and easy-to-use, free-standing process analysis software enables fast preliminary analysis and understanding. Three-dimensional finite element analysis can be used for detailed simulation of large complex geometries. The simple tools only require a few minutes to generate useful results, whereas the more complex tools provide large amounts of detailed information. The tools are complementary and generate consistent results. COHO is offered in different models, providing leak detection and localization that meet the needs of your parts size and complexity.

SERVICES

Convergent provides a full range of analysis and engineering services for program support. Our experienced engineers and analysts can quickly determine efficient simulation strategies to set up and run process models. We have standard procedures for model verification and validation. We work closely with our customers to establish a support level that fits their technical environment and maximizes the return on their investment. As experts in materials and facilities characterization for process simulation and process analysis, we go beyond troubleshooting your processes to training your team on how to improve workflows.

Convergent Manufacturing Technologies

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DAVWIRE is one of Canada's leading contract manufacturers in the electrical/electronic arena.

We specialize in **wire harnesses, electrical panels** such as power distribution and controls and **electro-mechanical assemblies**. This service is offered in the niche markets such as aviation, defence, medical and rail where DAVWIRE has formed long-term supplier relations with some of the market's most significant OEMs. Since 2003, we have continued to grow and invest in our future by assembling a strong, experienced workforce, acquiring the latest in processing equipment, such as UV Laser wire marking and thermal stripping, and in 2008 moved into our 40,000 sq. ft. facility allowing for continued growth.

In 2014 DAVWIRE acquired the manufacturing division of Rutter Inc. further enhancing our product/service offerings with electrical/electronic panel builds in the Land Vehicle and Marine Platform segments. In addition this has allowed DAVWIRE to offer In-Service Support (ISS) capability for the control assemblies that we build.

DAVWIRE has **AS9100C, ISO 9001:2008** quality registration along with our Controlled Goods Registration **CGRP 21173**. We strive to provide our customers with the best product and the best service in our arena and will continue to invest with this in mind.

DAVWIRE

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DISCOVERY AIR

Discovery Air provides safe and reliable aviation and logistics services in challenging environments. We operate over 160 aircraft with our 850 team members, delivering airborne training to international militaries; air ambulance services; airborne fire services; helicopter operations; fixed-wing air charter services; expediting and logistics support; and a range of maintenance, repair, overhaul, modification, engineering and certification services.

Combat Support: Using a fleet of modernized fighter aircraft, Discovery Air's veteran pilots deliver live air combat training in challenging environments. Our specialties include Red Air threat replication, Joint Terminal Attack Controller training, practice munitions drop, air-to-air gunnery training Oxford, and naval target tow profiles. We are night vision goggle certified for real-world training scenarios. With over 50,000 accident-free hours, Discovery Air has the experience and expertise to provide live training targets to our military clients.

Fire Services: Discovery Air has been providing fire services to the Ontario Ministry of Natural Resources for over 15 years and also to other provincial governments on an as-required basis. Our fixed-wing fire services are focused on airspace and air attack management and fire detection services and our rotary-wing fire services provides forest fire suppression services. Using infrared technology, we can detect fires as early as possible.

Fixed-Wing Services: Discovery Air provides a variety of fixed-wing and jet turboprop services in northern and western Canada. We are best known for our Dash 7 Combi aircraft and Twin Otter off-strip operation sequipped with floats, skis and tundra tires. In remote locations, where traditional airstrips may not exist, this type of operation is often critical. Short take-off and landing aircraft that can utilize gravel air strips are essential to meeting the needs of our clients.

Helicopter Operations: Discovery Air has over 30 years experience providing light, intermediate and medium single- and twin-engine specialty helicopter services. Our highly skilled group of pilots each have an average of 6,000 hours in the cockpit. As an IFR and VFR certified operator, Discovery Air provides services from Baffin Island all the way to Chile. We offer cutting-edge solutions including power line repair, long line work and geophysical airborne surveys. We also perform

seismic exploration and heli-portable drilling. We assist in wildlife surveys and ecological tourism, among other custom capabilities.

Logistics and Expediting Services: Discovery Air builds and manages custom-designed, all-weather exploration camps. Amenities in these camps can include complete kitchen facilities, sleep tents, showers with hot and cold running water, complete office facilities and core logging facilities. We can also provide logistical support throughout the life of any project and offer environmental clean-up services afterwards. This type of package, when coupled with our fixed- and rotary-wing services, offers the ideal solution to our many exploration and drilling clients.

Medevac Services: Discovery Air has a variety of dedicated Medevac aircraft, which are equipped with state-of-the-art full medical interiors. With over 15 years of experience and over 50,000 hours of safe air ambulance service, Discovery Air has the largest and most advanced Medevac fleet in the north.

Technical Services: Discovery Air has a full-service, Transport Canada and EASA approved and FAA accepted maintenance organization where we service both commercial and military aircraft. Our Technical Services division is ISO Certified. We specialize in aircraft maintenance, repair and modifications, engineering services, special mission aircraft conversions, component asset management, logistics support, integrated kit solutions and in-service support.

Discovery Air is a Specialty Aviation company.

Discovery Air Inc.

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D-J COMPOSITES, INC.



D-J Composites Inc. is a Transport Canada Approved Manufacturer providing quality, cost-effective solutions to customers in today's aerospace industry.

As a provider of composite and bonded metal assemblies, some of our equipment includes a 10,000-square-foot clean room, an extensive aluminum treatment line, a 10-foot diameter by 30-foot-long autoclave, 5- and 6-axis (ultrasonic) machining centres, real time x-ray, a laboratory and a fully equipped painting centre.

D-J Composites is an operating division of D-J Engineering Inc., engaging in the supply of formed and machined metal details. We manufacture assemblies for major fixed and rotor wing OEMs and provide complete solutions from initial tool design and fabrication to final component manufacture.

Using our new Transport Canada approved maintenance centre, we also service what we sell, as well as provide repair and overhaul solutions to aircraft operators. We can perform one-time repairs, or inquire about our AOG rotatable pool as part of your ongoing service needs.

Our 60,000-square-foot facility, located at Gander International Airport in Gander, Newfoundland, is strategically located midway between the major markets of North America and Europe.

The competent staff of D-J Composites are capable of dealing with your needs in a timely, professional manner. Delivering to over eight countries worldwide, we look forward to working with you – wherever you need us.

D-J Composites Inc.

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Troy Freeborn

President

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Beverly Hoskins

HR/Payroll Coordinator

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DRS Technologies Canada Ltd. (DRSTCL) is a wholly owned subsidiary of DRS Technologies Inc., a leading supplier of integrated products, services and support to military forces, intelligence agencies and prime contractors worldwide. DRS is a wholly owned subsidiary of Finmeccanica S.p.A. which employs approximately 70,000 people worldwide.

DRSTCL holds leading market positions in naval integrated communications and networks, electro-optics/infrared search and tracking systems, deployable flight incident recorders and sensor signal processing systems. The subsidiary delivers electronic warfare threat simulation and training systems ranging from computer-based training to high-power threat simulators. It is an experienced provider of turnkey state-of-the-art electronics manufacturing, integration and test services for various aerospace, defence and space applications. It also is a Transport Canada certified manufacturer of cockpit voice recorders, flight data recorders and emergency locator beacons (CV/FDR/ELB).

The Canadian subsidiary is a registered ISO 9001:2008 certified company with a record of service to the Canadian Government for more than 50 years. The certification to the AS9100C quality standard confirms a commitment to high quality manufacture, test and delivery of aerospace products and systems.

DRS Technologies Canada Ltd.

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Steven Zuber

Vice President and General Manager

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Jean Lavallée

**Senior Director,
Business Development**

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The Earnscliffe Strategy Group is a full service government relations firm with proven expertise in high technology, aerospace, defence and communications. We provide a complete range of strategic government relations services to corporations who do business with governments, and to organizations seeking to shape public policy outcomes. Earnscliffe follows policy, regulatory, personnel and legislative developments within the federal bureaucracy, the Department of National Defence and the Parliament of Canada.

Earnscliffe provides strategic planning, advice and direct implementation support. We position our clients for success: from preparation of briefing notes and presentations, intelligence gathering and advocacy campaign planning, to strategic planning, issues management and direct representation. Earnscliffe works with you to ensure that your interests are clearly articulated to key players in the decision-making process. In addition, we provide advice and intelligence on industrial partnering and regional and industrial development considerations. Through hands-on involvement, Earnscliffe consistently adds real value and helps your company to successfully achieve its goals.

The Earnscliffe team brings policy expertise, analytical rigor and proven writing capabilities to bear on your projects.

We have a successful track record in government procurement. We support our clients in every aspect of the procurement

process from pre-RFP to Contract Award, including identifying and developing teaming relationships, developing and executing appropriate capture plans, Industrial and Regional Benefits advice and proactive communications strategies.

Our thorough knowledge of the current government policy environment allows us to identify opportunities for success and consistently implement a coherent plan to win.

Earnscliffe Strategy Group

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Ken Mackay
Principal

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EAS Exhibition Services Inc. has enjoyed a longstanding relationship with the Aerospace Industries Association of Canada, their member companies, federal and provincial governments and related associations in assisting Canadian companies to exhibit at international trade events worldwide.

EAS personnel have developed strong and lasting relationships with show organizers around the world and built a network of contractors to complement that relationship. This expertise has been placed at the service of the Canadian aerospace industry for more than 30 years, and enables us to negotiate excellent locations at each event and obtain favourable pricing to help make exhibiting internationally affordable for all companies.

We manage and produce the Canadian pavilion and chalet at most major aerospace events including the Paris, Farnborough, Singapore, Australia and Dubai Air Shows. In addition to pavilion coordination, we design and fabricate custom displays, chalets and special events for individual companies at shows such as NBAA, EBACE, HAI, RAA, CANSEC and MEBA. We manage exhibit programs for companies large and small, provide a turnkey service and handle all aspects of each project from start to finish.



OUR GLOBAL SERVICES INCLUDE:

- Purchase of space and negotiation with show organizers for location and configuration
- Exhibit and chalet design and fabrication
- Arrangement of services (telephone, electrical, internet, catering, staff, etc.)
- Provision of rental items (audio-visual, floral, furniture, booth components, etc.)
- Graphic services, design and production
- Freight forwarding services worldwide (including storage)
- Concierge services
- VAT recovery (United Kingdom)

PARTIAL CLIENT LIST:

- CAE
- Esterline CMC Electronics
- Field Aviation
- Government of Canada
- Héroux-Devtek
- IMP Group
- L-3 Communications
- Magellan Aerospace
- National Research Council
- Pratt & Whitney Canada
- StandardAero
- Viking Air
- Various provincial associations

EAS Exhibition Services Inc.

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EnvAerospace was founded in 2001 having transitioned from developing and manufacturing physical vapour deposition (PVD) coating machines into a leading nanotechnology coating provider. Since inception, EnvAerospace has experienced rapid development in nanostructured coating materials capable of withstanding temperatures in excess of 1,000 degrees Celsius.

The company's success is based on an extensive IP portfolio, combined with comprehensive development and application know-how which is environmentally friendly.

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Never in history has the need been so great for airlines and industrial operators of gas turbines to reduce fuel consumption and improve efficiency. These operators require solutions that will protect their assets and improve reliability while controlling costs and improving return on investment.

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EnvAerospace, Inc.

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Esterline CMC Electronics has achieved an international reputation for innovation and excellence in the design and manufacture of electronics products for the military and commercial aviation markets. CMC's focus is on delivering innovative cockpit systems integration and avionics solutions to its customers worldwide. Its principal locations are in Montreal, Quebec; Ottawa, Ontario; and Chicago, Illinois.

CMC is a wholly owned subsidiary of Esterline Corporation (NYSE:ESL, www.esterline.com), a specialized aerospace and defence company headquartered in Bellevue, Washington. Esterline employs over 13,000 people worldwide.



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Field Aviation has been providing specialized services to the international aviation community for over 60 years.

As a modification centre of excellence, Field Aviation is recognized internationally for its design, engineering, integration, certification and delivery of aircraft and systems used in providing maritime domain awareness and the protection of national sovereignty and other essential services such as flight inspection, search and rescue, surveillance and border protection. Field Aviation deliveries of modified Special Missions Aircraft (ISR – Intelligence Surveillance and Reconnaissance) rank it amongst the top companies in the world having this specialized expertise. Field Aviation has developed ISR modifications for the Viking Twin Otter Guardian, Classic Dash 8 Series and the new Boeing MSA.

Field Aviation is also recognized for its expertise and capabilities in avionics upgrades and flight deck modernization, aircraft sales and aircraft interior refurbishment and reconfiguration of VIP, mixed class and shuttle interiors in both new and pre-owned regional class aircraft. Our aerospace manufacturing division produces parts for both current and out of production aircraft and is supported by an extensive component overhaul capability.



Field Aviation has the engineering and manufacturing expertise to support specialized requirements for civil or defence air operations. Field Aviation's foundation is built on exceeding customer expectations by delivering complex programs on schedule and within budget.

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A member of AIAC since 1989, **Flexibulb** manufactures aircraft interior components for the aerospace, military and paramilitary industries. Flexibulb's main fields of expertise are nonmetallic aircraft parts, seals, composites and other advanced materials.

Flexibulb participates in commuter, business aircraft, flight trainer, simulator systems and amphibious aircraft construction programs. Partnerships in specific programs, such as risk sharing design and build integrated providers, are performed through **Flexibulb Aero Integration (FAI) Inc.**

Flexibulb products range from aircraft windshields to a full line of specialized ground support equipment, including precision nacelle and nacelle blanks for most current business and commuter aircraft platforms.

Flexibulb offers rapid-response turnkey service to answer the needs of aircraft prime manufacturers, commercial airlines, helicopters and fixed-wing aircraft operators; all with a view to reduce client cycles and stock levels. Complex shaped parts integrating high precision, specific material resistances or integrity requirements are developed, executed and certified to specs by **Flexibulb's** team of experienced engineers and technicians trained to the latest advanced materials and composites technology.

Flexibulb uses state-of-the-art multi-axis CNC equipment for machining and cutting aerospace engineered plastics and composites to customers' exacting standards.

Flexibulb has ample vacuum thermoforming capacities, large calibrated temperature-controlled ovens and surface coating facilities. Tooling and molds are developed, manufactured in-house and, optionally, warehoused on the company's premises for customer convenience or accrued security.

Flexibulb's engineering is supported by fully maintained CATIA V4 and V5 system platforms.

Flexibulb's Quality system is certified to AS9100C and ISO 9001:2008, and is compatible with NATO AQAP-2110.

OTHER ACTIVITIES:

Customers in mass-transit ground transportation and emergency medical service are served by **Flexibulb** and affiliate **Novacentre Technologies (NTL) Ltd.** Together, they spearheaded the development of the **Medevac Summa** line of Advanced Life Support (ALS) ambulances, compliant to KKK-A-1822, NQ 1013-110, FMVSS and CMVSS specifications.

Flexibulb and **NTL** each hold individual National Safety Marks as delivered and authorized by the Federal Department of Transport.

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GAL Aerospace Corp. is a Montreal, Quebec, Canada based investor and active owner of industry-leading companies dedicated to manufacturing excellence of aircraft interior components for business and commercial aircraft. Long-term value is driven through an integrated offering of products and services created by independent "Centres of Excellence." Subsidiary companies offer both build-to-print and design-to-build services including:

GAL Aviation Inc., a Quebec, Canada based aerospace manufacturer specializing in aircraft interior cabinets, components and light metallic aerostructures (including chemical corrosion protection). GAL Aviation is an approved supplier to major OEMs and Tier 1 sub-contractors. It is AS9100C and Nadcap certified and holds Transport Canada and EASA AMO repair certificates.

AeroQuest Inc., an Atlanta, Georgia, U.S. based aerospace composites manufacturer of aircraft interior components specializing in showers, countertops, window shades, cabinetry, cabin peripheral panels and other interior components for business and commercial aircraft. AeroQuest is also an approved supplier to completion centres, MROs, major OEMs and Tier 1 subcontractors. It is an FAA approved Part 145 repair station.

GAL AeroStaff Ltd., a Montreal, Quebec, Canada staffing company specializing in the provision and deployment of temporary staff, permanent placements, and customized technical services to the aviation and aerospace industry around the globe.

For more information visit galaerospace.com or contact Lana Lajeunesse at: (514) 416-8500 ext. 106 or lane.lajeunesse@galaerospace.com

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Green Aviation
Research & Development
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The first green aviation initiative in Canada

www.gardn.org

Created in 2009, the Green Aviation Research & Development Network (GARDN) brings together industry, university and government partners to reduce the aerospace industry's environmental footprint. GARDN receives its funding from the Business-Led Networks of Centres of Excellence (BL-NCE) and the Canadian aerospace industry.

INNOVATIVE RESEARCH ORIENTATIONS

GARDN's activities are structured around two strategic pillars: the funding of industrial research projects and the development of strategic thinking on green aviation in Canada. The network's three research thrusts are the following: Clean Air Transportation System (ATS), Quiet ATS and Sustainable ATS. GARDN also pursues its participation in other national and international collaborative environmental initiatives.

OUTCOMES

Since its creation, GARDN has supported 26 projects (17 of which are now complete) with a total value of nearly \$55M. Several other promising projects will be selected in 2015. Each will drive sustainable innovation for the aerospace industry. With a nearly \$24M budget for its 2014-2019 program, GARDN is mandated to further the competitive edge of Canada's aerospace industry by working to achieve reductions in the environmental footprints of next-generation aircraft, engines and avionics systems.

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GasTOPS is recognized worldwide for its innovative contributions to improving the effectiveness of critical machinery. For 35 years our solutions have been used in Defense, Aerospace, Energy and Marine applications worldwide to optimize the availability, readiness, maintenance, performance and safety for complex rotating machinery systems.

GasTOPS' products and services add value throughout the life cycle of these complex and critical machines, from the design stage through to in-service operations and support. We design, manufacture and support advanced machinery fluid sensing and analysis products including on-line, full-flow oil debris sensors and at-line oil analysis systems. Based on core competencies of machinery analysis, modeling and simulation, software engineering, condition monitoring, repair and overhaul, the company also provides a range of specialized technical and engineering services to assist in the design, development and in-service support of machinery control, monitoring and maintenance systems.

GasTOPS has operations in three locations in Canada:

- Ottawa, Ontario – Our Headquarters and manufacturing centre;
- Dartmouth, Nova Scotia – Our Service Centre for the provision of machinery condition assessment and component MRO services;
- St. John's, Newfoundland – Our Calibration Centre for the provision of calibration and component MRO services.

Our customer solutions are found wherever machinery applications demand the highest standards of safety, reliability, availability and cost-effective operations. The most common of these are critical rotating machinery such as

gas turbine engines found in aviation, marine, power generation and gas compression applications, diesel engines in marine and railway applications and gearboxes in aviation, marine, energy, and industrial applications.

Our flagship product is the MetalSCAN on-line oil debris sensor that provides state-of-the-art engine and gearbox protection and health monitoring for many of the world's most advanced aircraft including the F22 Raptor, F35 Joint Strike Fighter, Eurofighter Typhoon, and the new generation of Pratt and Whitney PurePower geared turbofan engines powering the new Bombardier C Series, Mitsubishi Regional Jet, Airbus A320neo, Irkut MC21 and Embraer E-Jet E2 aircraft families.

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General Atomics Aeronautical Systems, Inc., an affiliate of General Atomics, delivers situational awareness by providing Remotely Piloted Aircraft (RPA) systems, radars, and electro-optic and related mission systems solutions for military and commercial applications worldwide. The company's Aircraft Systems business unit is a leading designer and manufacturer of proven, reliable RPA systems, including Predator[®] A, Predator B/MQ-9 Reaper[®], Gray Eagle[®], and the new Predator C Avenger[®] and Predator XP. It also manufactures a variety of solid-state digital Ground Control Stations (GCS), including the next-generation Advanced Cockpit GCS, and provides pilot training and support services for RPA field operations. The Mission Systems business unit designs, manufactures and integrates the Lynx[®] Multi-mode Radar and sophisticated Claw[®] sensor control and image analysis software into both manned and remotely piloted aircraft. It also focuses on providing integrated sensor payloads and software for Intelligence, Surveillance and Reconnaissance (ISR) aircraft platforms and develops high energy lasers, electro-optic sensors, and meta-material antennas.

General Atomics Aeronautical Systems is committed to supporting Canada's industrial growth, through the pursuit of the Joint Unmanned Surveillance Target Acquisition System (JUSTAS) program. GA-ASI and Canadian partner CAE understand the importance of having a strong foundation for Canadian In-Service Support (ISS), manufacturing, advanced research and development, and industry and academic cooperation. GA-ASI, through the JUSTAS program, is dedicated to supporting Canada's

Key Industrial Capabilities (KICs) including capabilities to protect the soldier, Command and Support, Training Systems and In-Service support. This commitment is based upon a strategic plan to build a stronger and more secure industrial base in Canada by positioning Canadian companies in a position for long-term success through strategic clusters of Canadian advanced research development, production, manufacturing and in-service support roles as a team member with GA-ASI and CAE.

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Photo courtesy of L-3 Communications



General Electric operates several businesses in Canada. GE supports the Royal Canadian Air Force and the Royal Canadian Navy, the Canadian Coast Guard, and commercial Air Carriers and the commercial marine industry.

GE Aviation has a large manufacturing facility for commercial and military engine airfoils in Bromont, Quebec. In addition, GE Aviation operates an engine Testing Research and Development Centre in Winnipeg for its commercial and military engine programs.

GE engines power over 80% of the Canadian Forces' aircraft and the Halifax Class Frigates. GE Aviation also powers Boeing and Airbus commercial aircraft, and Bombardier and Embraer Regional and Executive Jets. GE also supports, through well-established Canadian-based repair and overhaul entities, all military GE engines in Canada. GE holds the performance-based in-service-support contract for the GE LM2500 Gas Turbine that power the Frigates.

GE Energy Power Conversion offers comprehensive ship propulsion systems, including mechanical, electrical and hybrid drives, generators, motors and power conversion, distribution and controls, and Integrated Power Management System. GEPC is currently designing the propulsion system for the RCN Arctic Offshore Patrol Vessels being built by the Irving Shipyard.

GE Capital Equipment Financing offers competitive innovative financing solutions and products well suited for the A&D community.

GE Canada is recognized for having delivered high quality Industrial and Regional Benefits as well as having significantly exceeded its legal commitments with Canada.

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GSNetworks

Cable Assembly Specialists

Since 1978, GSNetworks has provided high quality connectivity solutions to OEM and VAR customers in many industry sectors including the aerospace, medical, communications, military, transportation, and security markets. Over the last 30+ years we have become industry experts in the design and manufacturing of custom cables, harnesses and electromechanical assemblies.

GSNetworks specializes in providing build-to-print services as well as design support and prototyping. Our 9,000 sq. ft. facility located in Ottawa, Ontario, is perfectly designed to meet the needs of our clients by offering low, medium and high volume capabilities while still able to handle fast turn-around small orders when the need arises.

GSNetworks carries an extensive inventory of specialized tooling and equipment that is constantly being upgraded with newer technologies to keep pace with changing market requirements and standards. The GSNetworks design database has literally millions of custom configuration options.

At GSNetworks we know our greatest resource is our people – their technical expertise and ability to support our customers throughout the entire manufacturing process is invaluable. The GSNetworks team is committed to putting our customers first.

Our Quality Management System is mature and effective. It is a process-based system focused on eliminating nonconformities through continuous improvement activities. We conform to IPC-A-610 class 1 2 3, RoHS, REACH directives and we are certified under the Canadian Controlled Goods Program, Underwriters Laboratories of Canada. Our QMS is certified under ISO 9001:2008, and AS9100 compliant.

Whether you require a one-off prototype “yesterday” or a large volume production run, the dedicated team at GSNetworks is ready to help you meet your commitments to quality with a solution you can depend on.

GSNetworks, your cable assembly choice: *get connected, stay connected.*



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Héroux-Devtek Inc. (TSX: HRX) is a Canadian company specializing in the design, development, manufacture, repair and overhaul of landing gear systems and components for the Aerospace market. The Corporation is the third largest landing gear company worldwide, supplying both the commercial and military sectors of the Aerospace market with new landing gear systems and components, as well as aftermarket products and services. The Corporation also manufactures electronic enclosures, heat exchangers and cabinets for suppliers of airborne radar, electro-optic systems and aircraft controls through its Magtron operations. On a *pro forma* basis, approximately 75% of the Corporation's sales are outside Canada, including 50% in the United States. The Corporation's head office is located in Longueuil, Quebec with facilities in the Greater Montreal area (Longueuil, Laval and St-Hubert); Kitchener and Toronto, Ontario; Springfield and Cleveland, Ohio; Wichita, Kansas; and Runcorn, Nottingham and Bolton, United Kingdom.

LANDING GEAR PRODUCTS

The Landing Gear product line consists of small- to large-sized landing gears and landing gear components. The company's expertise lies in the complete design, testing, manufacturing, repair and overhaul of landing gears, hydraulic actuators and flight critical components. Our customer base extends from OEMs to Operators in both the commercial and military markets. Héroux-Devtek employs close to 1,400 highly skilled people who work in eleven facilities including two design and development offices where a team of 120 design engineers and technicians, supported by the most recent software, tools and a complete state-of-the-art test lab, design, develop and qualify original landing gear systems.

LANDING GEAR DIVISION

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MAGTRON ELECTRONIC ENCLOSURES

Héroux-Devtek's Magtron plant in Toronto manufactures electronic enclosures, heat exchangers and cabinets for suppliers of airborne radar, electro-optic systems and aircraft controls. The facility provides competencies in vacuum and dip brazing metal joining technologies and became Canada's first facility to be Nadcap certified in aluminum vacuum brazing. For decades, Héroux-Devtek's ongoing development and implementation of innovative production systems have distinguished the Company's ability to manufacture to client specifications.

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HITACHI CONSULTING OVERVIEW

Hitachi Consulting is the professional services division of Hitachi Ltd., a global technology leader focused on creating smarter, more sustainable societies. Hitachi Consulting provides management consulting, technology solutions and outsourcing services to both the Fortune 1000 and governments worldwide, delivering measurable, sustainable results and a better consulting experience.

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Hitachi Consulting's Aerospace and Defense (A&D) team provides a wide array of consulting services to leading companies in most segments of the A&D industry, including prime defense contractors, Original Equipment Manufacturers (OEMs), distribution and sustainment providers, engines and propulsion system manufacturers, guided missile manufacturers, DoD, and air transportation service providers. We have served six of the top 10 largest global A&D companies. Hitachi Consulting and its subsidiaries combined offer Government and A&D organizations a broad range of services from Management Consulting, Technology Solutions to Managed Services.

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Recruitment & Staffing Experts



HRPO Aerospace & Defence is a Division of HRPO Group of Companies, a minority firm which is a 100% Aboriginal-owned corporation. Our Company specializes in providing Staffing, Recruitment and Contractor Payroll Services in the following market sectors:

- Major commercial subsystems
- In-service support and training
- Military aerospace
- Commercial aircraft propulsion systems
- Space systems
- Commercial aircraft and aircraft structures

WHO WE RECRUIT

- Applications Engineer
- Avionics Specialists
- CAD Technician
- Circuit Board Designer
- Cost Control Specialist
- Design Engineer
- Electrical Design Engineer
- Logistic Engineer
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- Etc.

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100% ABORIGINAL-OWNED COMPANY



Aircraft manufacturers know the process. Luckily, so does The Ian Martin Group.

We're blurring the lines between vendor and partner relationships with our integrated staffing solution delivery. Our client businesses receive the full-service support necessary to build high-performing teams. At Ian Martin, enthusiastic representatives embrace new opportunities with the vigor and determination that deliver results on target, on budget, and beyond expectations.

SERVICE PORTFOLIO:

Search and permanent placement, long-term, peak load and temporary staffing, replacement and project contracting, outsourced and managed solutions and payroll management.

Our team understands the complexity in designing and manufacturing aircraft and the unique talent combinations required to meet production expectations. This solid understanding allows us to quickly synchronize our efforts with your business objectives. Resourceful companies in the aerospace industry have relied on Ian Martin for over 50 years to staff their businesses throughout the ebbs and flows of production.

The Ian Martin community is comprised of professionals who love their work – our internal teams work closely with hiring managers and candidates to assess technical skills, cultural fit and aspiration alignment. In addition to local candidate relationships that span generations, our team effectively sources highly-skilled candidates globally with the expertise required to negotiate international talent transfer and on-boarding.

Partnering with Ian Martin gives your workforce exceptional flexibility that allows teams to focus on activities that lead to increased earnings, growth and advancements in innovation.

Ian Martin contract engineering personnel have contributed to the development and manufacturing of landing gear, flight controls, documentation and RMS as well as aircraft programs such as:

- Boeing 787, 777, 767 electronics, avionics, mechanical and interiors
- Airbus A320, A319, A329, A330 main fuselage, electronics, avionics, interiors and data migration

- Bombardier, C-Series, Global family, CRJ series, Challenger, Lear Jet: training, instructing, advanced design, experimental design and upgrading
- CL215, CL415 advanced avionics package
- Bell 429 and derivatives
- Dash series
- Aircraft simulators

SAMPLE POSITIONS FILLED:

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- Structures Design Engineers
- Mechanical Systems Designers
- Avionics Specialists
- Flight Controls Specialists
- Project Managers
- Interior Designers
- Instructional Design

For additional company information, current opportunities and industry news, visit www.ianmartin.com/ime

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IMP AEROSPACE & DEFENCE



IMP Aerospace & Defence is one of Canada's largest manufacturing and maintenance organizations supporting both military and commercial customers with over 2,300 engineering and technical support staff in operations across Canada.

IMP Aerospace & Defence is a Business Unit of IMP Group Ltd., a company that has been recognized as one of Canada's top 50 Best Managed companies for the past 12 consecutive years. IMP Aerospace & Defence comprises six Operating Units that together provide a highly diversified line of products and services to both military and commercial sectors.

IMP Aerospace: This operation has over 600,000 square feet of hangar, shop and office space at Halifax International Airport providing full In-Service Support, Life Cycle and Integrated Logistics Support services to military and commercial operators. Recent customers include the Canadian Department of National Defence (DND), Royal Norwegian Air Force, Kingdom of Saudi Arabia, NOAA, U.S. Forestry Service, Aero Union, the U.S. Navy and the Egyptian Air Force on the following military aircraft platforms:

- Lockheed Martin CP-140 (P-3) Aurora
- Agusta Westland CH-149 (EH101) Cormorant
- Sikorsky CH-124 (H-3/S-61) Sea King
- Bell Helicopter CH-146 (Bell 412) Griffon
- CT-114 Tutor Snowbird

IMP Aerospace is a Lockheed Martin Authorized P-3 Orion Service Center, an approved Transport Canada Design Approval Organization, and a DND Accredited Technical Organization and Accredited Maintenance Organization.

Our technical support capabilities include:

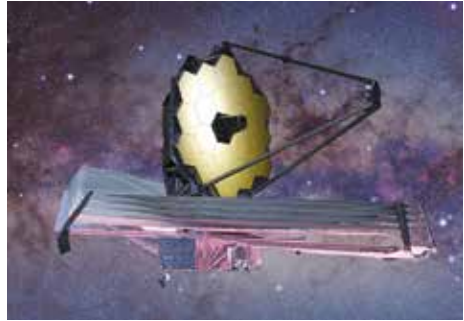
- Fleet Management
- Integrated Logistics Support
- Structural Modifications
- Life Assessment and Extension Programs
- Avionics Modernization and Installation Design
- Technical Publications, Translation and Illustrations

Cascade Aerospace: Cascade Aerospace is a specialty aerospace and defence contractor and the prime contractor for the in-service support of the RCAF's legacy C-130H and C-130J Hercules fleet. Additional information can be found in the Cascade Aerospace profile in this guide.

Canadian SAR Helicopter (CSH): The IMP CSH team provides total In-Service Support to flight operations including:

- EH-101(CH-149) Program and Fleet Management
- All levels of maintenance
- Engineering Support
- Life-Cycle Support
- Air and Ground Crew Training
- Flight-line ground support
- Preparations for a mid-life upgrade

IMP Electronic Systems: IMP Electronic Systems is an AS9100 certified company with 40 years of experience in design, manufacture and repair of complex electronic assemblies and wire harnesses for the Canadian DND, U.S. Military, and a wide variety of OEMs servicing the aircraft, space, naval, and land vehicle sectors. The facility also performs R&O services on Communication, Radar, Flight Control Systems and Navy Sonar equipment and provides second line Sea King Avionics maintenance support to DND at 12 Wing Shearwater.



Recent successes include the design and manufacture of spaceflight harnesses for the James Webb Space Telescope (JWST) and the Radarsat Constellation Mission program.

IMP Aerostructures: IMP Aerostructures is a Lean manufacturer and integrator of sheet metal, machined and composite aircraft structures. It is AS9100/ISO 9001 registered and maintains capabilities that include Nadcap Certified surface treatments and paint facilities. The operation has comprehensive multi-access CNC machining, sheet metal forming, metal-to-metal bonding, and composite production facilities. IMP Aerostructures is recognized as a leader in the implementation of Lean Manufacturing and Continuous Improvement processes and maintains a preferred supplier status for most major airframe OEMs.



IMP Naval & Land Services: The IMP Naval & Land Services Team provides coordination for the application of IMP Aerospace & Defence capabilities to the Naval and Land environments, including: ILS, Engineering, Technical Publications, NDT, manufacturing of machined components and wire harness assemblies.

IMP Aerospace & Defence has the depth of experience, engineering knowledge, and technical capabilities to provide the aerospace, naval and land systems sectors with comprehensive and timely technical solutions and products.



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AEROSPACE



KF Aerospace operates a fleet of wide body and narrow body aircraft in support of a domestic and international air cargo network, two Heavy Maintenance facilities, and a Military Flight Training facility on behalf of the Canadian Forces.

KF Cargo Operations has operated a domestic air cargo network for Purolator Courier and Canada Post for nearly 30 years. In 2015, KF leveraged its 99% fleet reliability to expand its network internationally and provide access to European and Asian markets. Our fleet of DC10, B727 and Convair 580 aircraft provide an international and domestic capacity of over 1M lbs per night.

KF Leasing is a captive finance company that owns and leases aircraft operated by KF and other operators.

KF Maintenance & Engineering's maintenance and modification facilities (7 bays) in Kelowna, BC and Hamilton, ON are industry recognized for their quality, skills and on-time delivery on major modifications such as Avionics Upgrades, Auxiliary Fuel Tank and Winglet Installations, Interior Installations and Cargo Conversions. We provide Heavy Maintenance Checks, Structural

Inspection and Repair, Avionics, Engineering, Painting, Parts Manufacturing, NDT, Landing Gear Overhaul, and AMO Type Training.

KF Defence Programs provides a turn-key solution for the Canadian Forces Contracted Flying Training and Support Program (CFTS) at Southport (near Portage La Prairie), MB. KF provides fixed and rotary wing flying training and support services for the Royal Canadian Air Force and foreign allies. This purpose-built facility is home to 42 operating aircraft (GROB 120A, King Air C90B, Bell 206 and Bell 412), four simulators, and includes state-of-the-art training facilities that make this one of the most advanced pilot training facilities in the world.

Visit us at www.kfaero.ca for more details

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Photo courtesy of Aversan Inc.



L-3 Communications Corporation is a global aerospace, defence and security company that prides itself on providing proven technology and performance. L-3 focuses on agility, innovation, collaboration and commitment in support of its customers' needs.

The L-3 aerospace companies based in Canada are listed below. The Canada Operations office in Ottawa acts as a corporate focal point and as a conduit to any of the US and foreign based companies, products and services of L-3 Communications.

L-3 Electronic System Services (L-3 ESS) is a leading provider of mission critical integrated and performance based logistics support, logistics management, supply chain management and technical services for air, land and naval platforms. L-3 ESS also provides OEM and third party avionics MRO for inertial navigation systems, radars, cockpit displays and other complex systems for both commercial and military applications. In Canada, L-3 ESS is the prime contractor for the CP-140 Avionics Optimized Weapon systems Support program.

L-3 ESS is a division of the L-3 Aviation Products (AP) sector. L-3 AP is a leading provider of commercial and military avionics with unsurpassed performance, quality and customer support. L-3 AP manufactures a diverse line of safety and efficiency enhancing products that sets the standard for next-generation requirements, including configurable voice and data recorders, collision avoidance systems, navigation products, display systems and processors.

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L-3 MAS is one of Canada's key providers of aircraft modification, systems integration, life-cycle management and in-service support to government and commercial customers. Furthermore, L-3 MAS offers turn-key solutions for design, prototyping, manufacturing, repair and overhaul, and certification of aerospace components. L-3 MAS is also one of the leading suppliers of technical publications. It employs over 650 skilled professionals at operating centres in Bagotville, Cold Lake, Mirabel, Ottawa, Trenton, Shearwater and Petawawa.

With the expertise gained from more than 25 years on the F/A-18 fighter aircraft, one of the most sophisticated aircraft in Canada, L-3 MAS has developed unique skills in all areas of aircraft in-service support services. L-3 MAS offers, among other things, one of the largest independent aerospace engineering teams in Canada specializing in mechanical, avionics and systems engineering, in addition to providing structural design services, analysis and fatigue management of aircraft fleets. Also, L-3 MAS has developed parallel competencies to offer unique aerostructures services from design to manufacturing of components, as well as logistic support services and special mission aircraft integration work.

L-3 MAS clients include the Canadian Forces for the in-service support services of the CF-18 Hornet, the CH-148 Cyclone, the CH-147F Chinook and the CC-150 Polaris, and offers OEM services for the CT-114 Tutor. L-3 MAS designs, manufactures and assembles components for many renowned commercial and military customers.

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L-3 Targa Systems specializes in high reliability solid state memory systems, targeted primarily for military and aerospace applications. Since its inception in 1981, Targa has maintained a leadership position in introducing Commercial-off-the-Shelf (COTS) products, but also has extensive experience in developing and building to customer specifications.

The market for Targa's products encompasses data storage applications where extreme shock, vibration, temperature or other environmental conditions prohibit the use of conventional data storage products, such as disk drives. Targa's products have been successfully employed in environments ranging from NASA Space Shuttle to the Deep Sea Rescue Vehicle to airborne military recorders.

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http://www.l-3ar.com/products/data_transfer_and_storage_systems.htm

L-3 WESCAM is a global leader in electro-optic/infrared (EO/IR) sensors and is proud to support the Canadian Forces on the following airborne platforms: CH-146 Griffon, Chinook and CP-140 Aurora. Meeting the most diverse and demanding imaging needs for intelligence, surveillance, targeting and reconnaissance type missions, WESCAM's systems are designed, qualified, and mission-proven in severe conditions ranging from the hot, harsh environment in Iraq to frigid maritime patrol duties in Alaska.



With over 40 years of design, manufacturing and integration experience, WESCAM continues to enhance the MX-Series product line by incorporating advanced technologies that lead to class-leading stabilization, magnification and resolution. All MX airborne systems feature a 4 or 5-axis gimbal design for superior stabilization, an IMU mounted directly to the payload plate for precise GEO-location performance and uncompressed high-definition digital video output for maximum image quality. In addition, WESCAM's small and medium-sized imaging systems have a fully-integrated electronics unit for ease of aircraft integration and overall installed weight-reduction.

From low-altitude short-range tactical missions to high-altitude long-range covert surveillance missions, WESCAM's series of airborne systems provide unparalleled image stability and long-range detection capability from fixed-wing, rotary-wing, UAV and aerostat platforms.

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LATECOERE Services is part of the Latécoère Group, based in Toulouse, France.

Founded in 1917 by Pierre-Georges Latécoère, the Group helped the aeronautics industry blossom in the Toulouse region. First recognized as an aircraft manufacturer until the 1950s, Latécoère awarded France with over 31 world records and contributed to historical moments by pilot legends such as Mermoz, Saint-Exupéry and Guillaumet.

Today, Latécoère is a partner of choice to the world's largest aircraft manufacturers: Airbus, Boeing, Bombardier, Embraer and Dassault Aviation. The Group is active in all levels of the aeronautics industry: commercial, regional, business and military airplanes. Latécoère employs over 4,000 experts in 11 countries and features three complementary divisions specialized in aeronautic systems:

- Aeronautic structures (fuselage and door manufacturing and assembly) as part of Latécoère Aerostructure
- Onboard wiring (avionics bays and electrical harnesses) at LATElec
- Engineering and services at LATECOERE Services

LATECOERE Services offers structural and electrical design engineering services to the aeronautics, space, defense and transportation industries. The company also provides turnkey solutions that span from design to delivery of production tooling, automated lines and specialized equipment.

While newly arrived in Canada, LATECOERE Services has been part of the aeronautics, space, defense and transportation industries for over 35 years.

LATECOERE employs over 600 experts in 12 offices, spanning seven countries.

Our services cover the full spectrum of design engineering, from a product or sub-system's overall configuration down to the specific detailed parts: design, calculation, simulation, drawing package, functional dimensioning and tolerancing (A350, A380, FAL A350, A320 Neo, B787, F7X, SMS, Global 7000/8000, CSeries).

LATECOERE SERVICES: VALUE-ADDED DESIGN ENGINEERING

- Large-scale project management
- Aeronautics structure design and system installation
- Mechanical system design and sizing
- Optimizing weight, space, materials
- Drawing package, certification files and certification tests assistance
- Maintenance and evolution during production
- Reverse engineering

LATECOERE SERVICES: A TRUSTED SYSTEMS INTEGRATOR FOR TURNKEY SOLUTIONS

- Manufacturing tools
- Sub-assembly tools
- Assembly lines (automated processes, robotics, laser alignment)
- Transport jigs
- Test benches
- Control stations (laser measurement)
- Dummy testing elements

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Employing over 850 people across Canada, Lockheed Martin Canada is headquartered in Kanata, and has supporting operations in Montreal, Halifax, Calgary, Dartmouth and Victoria.

Lockheed Martin Canada is recognized as an industry leader in the management and integration of complex, large-scale military systems including shipborne command and control systems, airborne sensor and data management systems, and land forces electronic warfare and command and analysis systems.

Lockheed Martin Commercial Engines Solutions is a leading provider of aircraft engine maintenance, repair, and overhaul for international commercial and military customers.

Lockheed Martin Canada has also established itself as a provider of high quality, highly effective and affordable computer-based synthetic maintenance training and simulation systems for defence and commercial applications, as well as a provider of full-scale tactical trainer systems, weapon effects training systems and live fire training systems.

Lockheed Martin Canada is a leader in advanced systems integration, software development and large-scale program management.

- Systems Integration
- C4ISR Solutions
- Naval Combat Systems
- Command and Control systems
- Data Management Systems
- Acoustic Systems
- EW Systems

- Program Management and Life Cycle Support
- Training and Simulation Systems
- Software Development
- RF and Microwave Design
- Computer Design and Manufacture
- Sub-system Manufacturing

MISSION SUCCESS

Lockheed Martin Canada is a highly diversified global enterprise principally engaged in the design, development, production, integration and life cycle support of advanced technology products and systems. As a premier supplier of electronic defence and surveillance systems, we specialize in delivering innovative turnkey system solutions for naval, airborne, land and civil operations both in Canada and around the world.

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Lynch Dynamics Inc. is dedicated to designing, manufacturing and integrating hydraulic motion control systems for the aerospace, military and medical community. Lynch's engineering services, design teams and state-of-the-art manufacturing, all under one roof, are our differentiator. We have been able to assist/outsource/augment existing engineering departments in the hydraulic, motion control field. Lynch Dynamics' sister company, Lynch Fluid Controls Inc., has a proud 27 year heritage of providing reliable system solutions to the material handling and industrial markets.

ENGINEERING EXPERTISE

Lynch has the largest dedicated manifold system design team in North America. From concept or circuit drawing, Lynch's Engineering Department will ensure that your hydraulics are optimized for maximum performance and cost reduction. Complete support includes conceptualization, engineering, component selection, 3D modeling/design, CFD & FEA, machining, assembly, documentation and validation.

24/7 LIGHTS-OUT MANUFACTURING

Lynch's modern facilities are kept at stringent levels of cleanliness. Our automated machining centers offer three to nine axis capabilities at competitive rates and production lead times.



OVERHAUL FACILITY

Lynch provides a complete overhaul facility for servo actuators, proportional valves, electro-hydraulic valves and many other hydraulic components typically used in simulators and munitions handling, army, marine, naval and air force equipment.

INTERNATIONAL QUALITY STANDARDS

- ISO 9001:2008 certified
- AS9100C certified
- Controlled Goods certified
- NCAGE/NATO
- U.S./Canada Joint Certification Program



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Magellan Aerospace is a global integrated company that provides complex assemblies and systems solutions to aircraft and engine manufacturers, and defence and space agencies worldwide. Magellan invests in technology, equipment and people to provide its customers with innovative solutions that align with their future direction.

Magellan's operations are organized into four business groups: Aeroengines; Aerostructures; Rockets and Space; and Specialty Products. Magellan designs, engineers and manufactures complex aeroengine and aerostructure assemblies and components for aerospace markets, advanced products for military and space markets, and complementary specialty products.



AEROENGINES

Total Program Capability

Critical gas turbine engine components and assemblies for the commercial, military and industrial gas turbine marketplace, and comprehensive test and aftermarket support.

MANUFACTURE

- Critical engine components and assemblies
- Rotating parts (shafts, disks, spacers)
- Static assemblies (exhaust systems, compressor cases, frames, combustors, by-pass ducts)
- Sand casting facilities for complex castings in Aluminum and Magnesium alloys
- Industrial engine R&O
- Complete engine teardown, buildup, test
- New coating technologies
- Component repair
- Aftermarket support



AEROSTRUCTURES

COMPLETE TURNKEY SOLUTIONS

Aerostructures expertise with a full range of subsystem integration services including design, development, testing, qualification and certification of kitted and finished assemblies.

COMPONENT AND ASSEMBLY MANUFACTURE

- All levels of complexity machined, composite, sheet metal parts, and integrated mechanical assemblies
- Large design engineering capability

ROCKETS AND SPACE

DESIGN, ENGINEERING, AND MANUFACTURE OF SPACE AND DEFENCE SYSTEMS

- Small satellites
- Space payloads and hardware
- Sub-orbital launch vehicles
- Energetic materials processing
- Solid composite rocket motors
- In-house design engineering, systems integration and program management

SPECIALTY PRODUCTS

LEVERAGING CORE CAPABILITIES

Development and introduction of new capabilities by leveraging capabilities in core product areas to penetrate new markets.

- Wire Strike Protection System (WSPS™)
- Industrial power generation, R&O

From its corporate headquarters in Mississauga, Ontario, Magellan operates a network of facilities located in Canada, the United States, the United Kingdom, India and Poland.

www.magellan.aero

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Marinvent Corporation was originally founded in 1983 for the purpose of conducting aerospace research and development. Nowadays, the company focuses on helping its various customers reduce their program risk and bring their products to market efficiently. The company is headquartered on the outskirts of Montreal, one of the largest aerospace centres in the world. The company is part of a U.S. joint venture with Advanced Aerospace Solutions LLC. In 2013, Marinvent was the recipient of the AIAC James C. Floyd Award as Canadian aerospace company of the year and Advanced Aerospace Solutions is the recipient of the 2014 NASA Small Business Subcontractor of the Year Award.

PRINCIPAL PRODUCTS AND SERVICES **PROGRAM RISK REDUCTION**

Marinvent Corporation offers a unique combination of technical experts, Transport Canada DARs, flying avionics test bed, software tools and research simulator to achieve the single goal of reducing the risk of aerospace research, development, certification and procurement programs, regardless of their size or complexity. Marinvent has helped its customers attain major cost and schedule benefits using its expert staff, which includes fixed and rotary wing test pilots, together with Transport Canada Flight Analyst, Flight Test, TSO and software DARs. Among Marinvent's customers are: NASA, Bombardier Aerospace, CMC Electronics, DND, Transport Canada, PWGSC, foreign governments and many of the world's largest aerospace corporations.

Marinvent has successfully completed over 50 STC and TSO certification programs using its highly specialized flying avionics test bed, research simulator, and its experienced, multi-disciplinary personnel. The company also conducts specialized flight test and certification training.

CRITICAL AERONAUTICAL SOFTWARE

In addition to the numerous STCs obtained by the company, Marinvent developed the TCL/MC3™ software library, which is the de-facto world standard for the certified electronic depiction of aviation charting information. This accomplishment led directly to the development of the Electronic Flight Bag (EFB) technology, for which Marinvent received a prestigious AviationWeek and Space Technology Laureate as well as the Canadian American Business Achievement Award, the Aerospace Association of Quebec's (AQA) Aerospace Enterprise of the Year award, and the Canadian Business Aviation Association's Award of Merit.





FLIGHTTEST AND CERTIFICATION SOFTWARE TOOL-SUITE (SYNTHESIS™)

Marinvent has produced an advanced integrated tool to develop and track the generation of test and certification artefacts that support the certification of aircraft, avionics systems and aircraft systems. The web-based software suite yields significant efficiency and re-use benefits over traditional, largely ad-hoc methods and is already being used on multiple live projects. The Synthesis™ tool-suite is available from Marinvent for licensing to third parties.

AIRFOIL PERFORMANCE MONITOR (APM™)

Marinvent has developed APM, a revolutionary, real time, stall margin indication technology that functions equally well with contaminated or iced airfoils. APM is currently the only technology that detects compressibility (high speed) stalls, and also predicts takeoff performance degradation during the takeoff roll, at speeds as low as 40 knots. The patented APM system has been the subject of numerous articles, wind tunnel tests and flight trials. APM is applicable to fixed and rotary wing and UAS applications. In addition to saving lives and equipment loss through the reduction of icing-related incidents, APM also has significant potential benefits in terms of fuel economy and break wear and can be applied to help extend range and payload of UAS.

FLYING AVIONICS TEST BED

Marinvent operates a highly sophisticated airborne test-bed supported by a dedicated research flight simulator. These have been instrumental in the development and certification of navigation and safety systems for aircraft as diverse as the EC145 Eurocopter and the Boeing 747. The test-bed is also uniquely configurable as an "Optionally Piloted Vehicle" (OPV), which can be flown from an aft-cabin control station using off-the-shelf Unmanned Vehicle control software. The innovative work performed by Marinvent's aircraft led to the company being awarded the Canadian Business Aviation Association's Industry Support Safety Award and the inaugural C2-MYL Aerospace Sector Award.

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CORE BUSINESS:

Marsh Metrology provides Accredited Calibrations meeting all requirements of AS9100 through our ISO 17025 Calibration Laboratory.

Marsh provides electronic repair and re-manufacturing of printed circuit boards for product life extension meeting original OEM specifications. We also provide product distribution for test and measurement equipment and precision measurement gauges addressing manufacturing needs and design testing requirements.



KEY SERVICES:

FACILITIES: ISO/IEC 17025:2005

- On-Site Metrology
- Mobile Calibration Lab
- Off-Site at Marsh Metrology Lab

PERSONNEL:

- Certified Metrologists
- Certified Technician

BENEFITS:

- Rapid Response
- Calibration Data Management System
- Administrative Services – Objective Evidence
- Calibration Certificates
- Full Compliance with ISO 17025:2005

SCOPE OF ACCREDITATION:

Marsh Metrology has been accredited by ACLASS® for a broad range of Parameters and Equipment under Certificate AC-1172.

Marsh Metrology is ISO 17025:2005 Accredited for Dimensional, Electrical, Thermodynamic & Mechanical Calibrations, including the following, and much more:

Instrumentation: Process, Calibrators, Surveys and Ovens

RF: Spectrum analyzer, network analyzer, power sensor, power meter

Electrical: Multimeters, Clamp-on Meters, O-Scopes, Multifunction Calibrators and Manometers

Temperature: Thermometers, Temperature Probes, Infrared, Dry Well Calibrators, TCS and RTDs

Humidity: Humidity Meters, Humidity Probes and Data Loggers

Pressure: Gauges, Indicators, Calibrators and Dead Weight Testers

Dimensional: Micrometers, Calipers, Dial Indicators and Gauges

Torque: Wrenches, Screwdrivers and Transducers

Scales: Balances, Lab Scales, Load Cells and Tensiometers



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Marshall

Marshall Aerospace and Defence Group is one of the largest privately owned and independent aerospace and defence companies that delivers innovation and excellence in engineering and support solutions in the air, on land and at sea.

Marshall Aerospace and Defence Group specializes in the conversion and modification of military, civil and business aircraft, alongside defence vehicle engineering and shelter manufacture. Its capabilities include engineering design, manufacture and test and the provision of personnel, training and advice, whilst providing maintenance, integration, manufacture and product support.

Marshall Aerospace and Defence Group holds many delegated design authorities and type approvals, granted by national and international authorities, airline manufacturers and defence agencies which enables the Group to design and certify modifications on a number of commercial and military platforms.

Marshall Aerospace and Defence Group is part of the Marshall Group of Companies that employs over 4,000 people with a turnover in excess of £1.3bn.

MARSHALL AEROSPACE AND DEFENCE GROUP IN CANADA

Established in 2006, Marshall Aerospace and Defence Group Canada is an established name in the Canadian aerospace industry and is a respected total solutions provider for the military and commercial sectors.

With offices in British Columbia and Ontario, Marshall Aerospace and Defence Group Canada specializes in design, system level integration and certification for aircraft upgrades and modification. The company is accredited by the Canadian Department of National Defence and authorized to carry out a range of specific airworthiness functions, including engineering and technical support for the national fleet of CC-130 Hercules aircraft.

Marshall Aerospace and Defence Group Canada is valued for its integrity, performance and customer focus which has been demonstrated through its innovative solutions and ability to deliver on-time and to-cost.



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MDA is a global communications and information company, providing operational solutions to commercial and government organizations worldwide. A Canadian-owned company, it is an established leader in the development of Canadian technology for domestic and export use in both commercial and defence markets. It continues to create quality employment opportunities across Canada, expanding the Canadian technology sector through supply contracts, which include small and medium-sized enterprises, and generating millions of dollars in export revenue and taxation. MDA's made-in-Canada approach over the past 40 years has ensured that valuable intellectual property it has developed by itself, or in conjunction with agencies of the Federal Government, remain in Canada.

MDA's domestic and global customer base is served by more than 4,800 employees operating from 11 locations spanning the east and west coasts of Canada, plus the United States, and internationally. The company is active in two principal markets:

Communications: MDA offers space-based solutions for cost-efficient global delivery of direct-to-home television, satellite radio, broadband Internet, and mobile communications.

Surveillance and Intelligence: MDA offers end-to-end solutions to monitor and manage changes and activities worldwide.



COMMUNICATIONS

From its Montreal, Quebec facility and the United Kingdom, MDA is an industry leader in the design, assembly, and testing of advanced satellite subsystems and products for space communications. As the world's leading independent supplier of antenna solutions for communications satellites, MDA also delivers complete satellite payloads solutions, advanced RF, power electronics, and digital solutions for satellite payloads and platforms, and its best-in-class antenna solutions cover UHF, L, S, C, X, Ku, Ka and V bands. MDA's reputation for advanced solutions, technical reliability, quality, and performance has been earned over hundreds of international programs and five decades of engineering excellence backed by world-class facilities for manufacturing, integration, and testing.

Through SSL, a wholly owned U.S. subsidiary, MDA is a leading provider of communications spacecraft with over 250 spacecraft delivered, comprising a major portion of the world's communications infrastructure. The company designs and manufactures satellites for the world's top commercial operators to provide services that include video content distribution, direct-to-home television, broadband Internet, mobile communications, and Earth observation. With more than 75 geostationary satellites currently on orbit, SSL has delivered more transponders in commercial operation today than any other satellite manufacturer.



SURVEILLANCE AND INTELLIGENCE

With facility locations across Canada, and the U.S., MDA solutions collect data from space, airborne, maritime, ground, and cyber sources to provide timely, reliable, accurate, geospatial information, services, and products for customers in surveillance and intelligence markets.

Leveraging decades of global leadership in remote sensing ground stations, MDA solutions include end-to-end radar and optical satellite LEO missions, and systems and services for multi-satellite ground systems, airborne radar, UAV surveillance, geospatial information for aviation, command and control solutions, ship and naval systems, and exploitation/intelligence tools. The company provides a specialized range of mission critical surveillance and intelligence systems and services that generate actionable intelligence information for defence and security customers who collect and manage surveillance and intelligence of land and maritime zones. MDA

also delivers advanced geospatial services and products for government and commercial programs, employing data products from leading high-resolution satellite missions.



Image provided courtesy of NASA

ROBOTICS AND AUTOMATION

Based in Brampton, Ontario and the U.S., MDA's Robotics and Automation business is actively developing the next generation of advanced technologies to support future government and commercial programs. As prime contractor on such iconic NASA robotic programs as Canadarm and the Mobile Servicing System on the International Space Station, MDA applies its renowned robotic and automation technologies to space infrastructure assembly and operations, on-orbit satellite servicing, and planetary exploration. On Earth, that expertise is addressing exciting new applications in medical and nuclear markets.



MDA

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Founded in 1985, MDS is proudly recognized as the preeminent supplier of turnkey test facilities, test systems, and test services for the aviation, industrial and marine gas turbine engine community.

MDS provides Turnkey Solutions for the following:

- Aviation engine test facilities
- Industrial/Marine engine test facilities
- Engine component test facilities
- Special purpose test equipment
- Industrial drivelines
- Aerodynamic/acoustic and altitude simulation facilities

MDS Products include:

- proDAS – MDS' advanced data acquisition and control system
- Thrust measurement systems
- Load absorption and simulation systems
- Quick connect solutions for test packages
- Engine to facility adaptation
- Engine handling solutions & facility operational strategies
- Throttle systems
- Trim balance & vibration conditioning systems
- Aero-acoustic products for inlet and exhaust treatment

MDS SERVICES

MDS provides facility owners with skilled facility management and operational support options:

- Facility operations
- Facility support
- Maintenance solutions

- Calibration solutions
- Training and tech docs
- Project delivery
- Procurement & sourcing
- Field services representatives
- Spares management
- Technical support

Please visit our web site <http://mdsaero.com/company/careers/> to view all open positions, or contact us directly at recruiting@mdsaero.com regarding career opportunities.

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Vice-President,
Business Development

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FACILITIES:

MicroPilot's UAV flight facility is situated on 40 acres, ten minutes north of Winnipeg. The headquarters houses MicroPilot's head office, production, and research and development divisions. In addition, the Winnipeg facility includes a flight-testing area with two paved runways. The flight test area operates under a Transport Canada Special Flight Operation Certificate, covering a wide range of UAV operations.

PRODUCTS AND SERVICES:

Autopilots – MicroPilot offers five board autopilots, ranging from the economical 1028^a series to MP2128^{HELI} helicopter, multi-rotor, and fixed-wing autopilots. The 2x28 series includes all sensors, supports full autonomous flight from takeoff to landing, and is upward compatible with the 1028^a series. MicroPilot also offers enclosed autopilots, MP2128^{LRC} and MP2128^{HELI-LRC} and the industry's only triple redundant UAV autopilot, the MP21283X.

Simulation – MicroPilot's trueHWILmp Hardware in the loop simulator provides an environment for true, real-time simulation of flights of MicroPilot's MP2128g² autopilots. This simulator is an excellent tool for testing a MicroPilot autopilot in flight while the autopilot itself sits on the ground.

Design Life-Cycle Tool – XTENDER^{validate} allows design teams to systematically link flight, user, and simulator testing validation data to requirements. In addition, users link requirements to autopilot options and GCS settings, as well as identify subsystem failure modes and link them to requirements.

Ground Control Software – HORIZON^{mp} includes point-and-click mission planning, multi-UAV support, and an integrated simulator. This software is included with the purchase of an autopilot system. A video upgrade includes camera projection, fly-by camera, orbit-by camera, and video annotation.

Other Products and Services – XTENDER software developers kit, UAV integration, training, custom software and hardware.



MAJOR CLIENTS:

With over 850 clients in 70 countries, MicroPilot is the world leader in the design and manufacturing of miniature UAV autopilots. Clients include military, academic and private research institutes as well as UAV manufacturers and end users.

MicroPilot

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For 25 years Neptec has been developing innovative sensing and robotic solutions for harsh environments. Neptec operates as two affiliated companies. **Neptec Design Group Ltd.** specializes in the development, integration and support of intelligent sensors, rovers and payloads for Space. **Neptec Technologies Corp.** develops and sells innovative 3D machine vision products for terrestrial markets such as mining, oil and gas, construction, defence and security.



Over the years Neptec has delivered mission-critical operational systems for space applications as diverse as construction of the International Space Station, on-orbit inspection of Space Shuttles to ensure their safe return to earth, guidance for rendezvous and docking of space vehicles, on-orbit alignment of high resolution x-ray telescopes, and rover guidance and navigation.

Neptec personnel have supported over 40 space missions, have logged over 30,000 hours of mission support and have won wide recognition for their performance, innovation and dedication to quality. Neptec achieved the highest possible contractor performance rating from NASA three years in a row; and in 2011, was recognized with the George M. Low Award, NASA's premier award for quality and performance.



Closer to earth, Neptec's OPAL line of 3D rugged sensors, which have the ability to see in dusty conditions and in turbid waters, are being used in a wide range of applications targeted at increasing safety and improving productivity. Applications include safely landing helicopters in brownout conditions; guiding ore trucks and shovels in mines; guiding planes, vehicles and personnel around airport aprons; construction and sub-sea equipment inspection and vehicle guidance.

Neptec has facilities in Ottawa Canada, Houston USA and Harwell England. Major customers include space agencies, international space companies, defence agencies, defence contractors and tier-1 mining equipment suppliers.

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NGC Aerospace Ltd is a high-tech Canadian SME located in Sherbrooke (Quebec) whose mission is the analysis, simulation, design and deployment of artificial vision, guidance, navigation and control (GNC) systems for autonomous vehicles for space, aeronautical and terrestrial applications.

Since 2001, NGC's team of engineers have contributed to the successful completion of more than 90 R&D projects and flight programmes with national and international space agencies as well as a number of major aerospace companies in Canada, Europe and the United States.

The algorithms, simulators, real-time software and integrated systems designed by NGC aim at increasing the autonomy, the performance, the reliability and the safety of vehicles while, at the same time, reducing their operational costs.

NGC's main clients are international and national space agencies, governmental agencies, as well as North American and European aerospace companies.

NGC's main services include the analysis, design, implementation, validation and flight operation of innovative algorithms and reliable real-time software required for:

- visual feature detection/recognition, visual odometry, hazards detection;
- navigation, data fusion, filtering, parameters identification;
- autonomous guidance, hazards avoidance;
- control (multivariable, robust, predictive, parameter-varying);
- failure detection/identification.

These activities also extend to mathematical modelling of dynamical systems and the development of the associated high-fidelity engineering simulators required for the validation of the software.

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nGRAIN[®]

SEE BEYOND REALITY

NGRAIN is creating a world transformed with interactive 3D and augmented reality technologies. With NGRAIN products, companies enhance the performance of people, machines, and the interactions between them.

NGRAIN's integrated, versatile technology combines enterprise 3D assets and data to provide operational intelligence for mission critical equipment and accelerate decision-making across the organization. From the hangar to the factory floor and the field, workers can get information how they need it, when they need it – with NGRAIN interactive 3D and augmented reality.

NGRAIN's technology has been road tested in the most demanding environments and by the most demanding clients, including all branches of the U.S. Department of Defense, Canadian Department of National Defence, United Kingdom Ministry of Defence, CAE, Lockheed Martin, Cassidian (an EADS company), AEGIS, Adayana, SAIC and Transport Canada's National Training Association for Aviation Maintenance. Our products have been proven to accelerate learning, streamline maintenance activities, and increase first-time-right performance dramatically. With NGRAIN, training takes 30 percent less time, maintenance investigations are done 30 percent faster, and performance is 22 percent more accurate.

Whether in the form of interactive 3D augmented reality (AR) or virtual reality applications, NGRAIN is ideal for any company looking to implement an integrated data model. It can be deployed across the organization, on mobile devices such as tablets, Interactive Electronic Technical Manuals (IETMs), or Distributed Learning courseware, among other platforms.

NGRAIN AUGMENTED REALITY

NGRAIN Augmented Reality lets you develop, without coding, industrial augmented reality (AR) applications for your complex equipment and deploy them across the enterprise in a single click.



NGRAIN PLATFORM

NGRAIN's enterprise platform lets you integrate all your data and deploy it in augmented reality or virtual reality form for mission-critical applications that optimize the performance of people, machines and the interactions between them.

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Noranco

Noranco is a world class, integrated manufacturer and solutions provider to the global commercial, business and military aerospace sectors.

Noranco manufactures complex landing gear, aerostructure and aeroengine components and assemblies. We provide value to our customers through a wide range of sophisticated capabilities including high precision machining, sheet metal fabrication, special processing, assembly, testing and supply chain management.



With eight divisions and over 275 CNC centers at our disposal, Noranco is able to machine parts as long as 9 meters in length. The types of the materials machined or formed by Noranco range from aluminum and copper alloys to stainless and high carbon steels and exotics, including Inconel, Hastolloy, Aeromet, Titanium, 300M. **Noranco** is also customer approved to grind HVOF coating and chrome plate.



Noranco's unique combination of multi-axis machining, sheet metal fabrication, assembly, design, value engineering, program management and supply chain management and integrated special processing capabilities make us a full service provider to our customers. Noranco also specializes in quick turnaround prototyping and product development.



With a combined 500,000 square feet of fully integrated manufacturing space including a new facility located in Monterrey, Mexico, Noranco can mill, turn, grind, hone, punch, form, rivet, weld, braze, assemble and process the most complex aerospace products. Working with the world's leading commercial and military OEM and Tier 1 manufacturers, **Noranco** has gained a reputation for the highest quality, reliability and cost effectiveness.





Noranco's flexible manufacturing environment includes a state-of-the-art ERP/MRP system that allows quick response to tight customer delivery schedules.

Working with a sophisticated suite of the latest CAD/CAM systems including CATIA, Noranco is capable of receiving paperless drawings as well as conventional data.

Noranco's expertise in program management, lean manufacturing, kanban and supply chain management guarantees our customers' complete satisfaction.

In business for over 35 years, Noranco has continuously upgraded its equipment and processes, enabling it to have the technology, systems, and people in place to exceed its customers' expectations. During this time Noranco has become a world-class supplier by developing a reputation for excellence. This reputation has been fostered by maintaining a consistent track record for excellence in customer service, reliability, and for maintaining the highest standard of quality and delivery.



Noranco maintains stringent quality control processes with a quality management program registered to AS9100C. Noranco's three processing sites have Nadcap approval for, but not limited to, Anodize on Aluminum alloys, Chrome, CAD plating, Shot peening, HVOF thermal spray, both wet and powder coat paint, Heat treatment and NDT. Noranco is also approved under the Canadian Controlled Goods program to receive ITAR-controlled drawings and product.

Noranco lists UTC, Boeing, Honeywell, Safran, Spirit Aero systems, Bombardier, Bell Helicopter, Lockheed Martin, GE Aviation and Triumph, among its many distinguished customers.



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President and CEO

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Northeast Space Company

Northeast was founded in 1998 by Ronald Buckingham who has over 35 years of experience in the aerospace industry in Canada and the U.S. Northeast provides senior level technical and management consulting to government and industry clients. Additional expert people are retained on contract as/when required. Northeast has developed a reputation for high quality work at reasonable rates, innovative ideas and dedication to helping clients meet their objectives and schedules.

Northeast's technical expertise and support encompass satellite systems engineering, electro-optical instruments, structural and thermal engineering, environmental testing and related disciplines. Northeast also provides expert support with business development, proposal strategy and management, writing and editing, project management, technology development, business planning and projections.

Selected Activities:

- Northeast supported Canada's Polar Communication and Weather (PCW) initiative since its inception in 2007, working at various times for CSA, Environment Canada, and most recently Magellan Aerospace. Northeast responded to the November 2013 AO for implementation strategy recommendations for PCW.
- Northeast supported Magellan for the Radarsat Constellation Mission (RCM) initiative from its inception. Northeast was also a key participant in Magellan's CASS mission study for CSA, where the spacecraft would have been a follow-on for atmospheric science currently being done from Canada's SciSat and Sweden's Odin satellites, which are both long past their respective design lifetimes.
- Mr. Buckingham was a member of an external Expert Review Panel that reported to the Inter-American Bank (IAB) for projects implemented by Argentina's Comision Nacional de Actividades Espaciales (CONAE). He also supported Telesat Canada for a variety of projects from 2003 through 2007.
- From 1999 through 2005 Northeast supported CSA's HERO hyperspectral Earth Observation (EO) initiative. Several consultants participated via Northeast.
- Mr. Buckingham recently began regularly lecturing at Clarkson University's Mechanical and Aeronautical Engineering Department (Potsdam N.Y.). He has been an occasional guest lecturer at Carleton University in Ottawa.

Mr. Buckingham has been an active participant in several start-ups. He was a founding Partner of Routes Astro Engineering Inc. in 1989 (now absorbed by ComDev), and in 1977 he became a minority owner of the fledgling Canadian Astronautics Ltd. (CAL), which later grew to 400 people. He was the first Director of CAL's Space Group and led the development of CAL's initial space hardware, including the Viking UV imager and the Skynet deployable UHF antenna.

Northeast provides clients with expert technical, business development and management support, backed by extensive hands-on experience.

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NRC-CNRC

The National Research Council of Canada (NRC) is Canada's premier research and technology organization. We support the aerospace industry with facilities, expertise and industry foresight to advance research and technology developments in the core areas of aerodynamics, flight research, gas turbines, structures and materials, and manufacturing. Our national facilities provide platforms to test, de-risk, validate and demonstrate new technologies, while our industry connections help companies remain competitive in the global market.

NRC has the unique competitive advantage of being a multidisciplinary organization that can link aerospace activities to other key sectors including energy, security, construction and surface transportation. NRC can facilitate and exploit an efficient exchange of ideas between disciplines, which allows for rapid technological advancements in new and exciting sectors. This collaboration is particularly evident in our research and technology development programs that focus on aerospace defence, aeronautical product development, future aircraft design and manufacturing, human factors on aircraft, icing, and unmanned aerial systems.

NRC's industry-leading facilities include six wind tunnels, full-scale structural test rigs, robotics and manufacturing research facilities, materials characterization and testing equipment, engine and combustion test cells, and nine research aircraft, both rotary- and fixed-wing. Several well-equipped shops are also maintained for the manufacture and



instrumentation of wind tunnel models, material test assemblies, engine test rigs, etc. High-intensity acoustic test chambers are available for noise qualification of aerospace vehicles and equipment.

Our world-class research infrastructure and expertise, combined with customizable service options and high ethical standards, make us the ideal partner to support your vision with innovative services and solutions. NRC actively seeks clients, collaborators, and licensees for its services and expertise.



NRC Aerospace

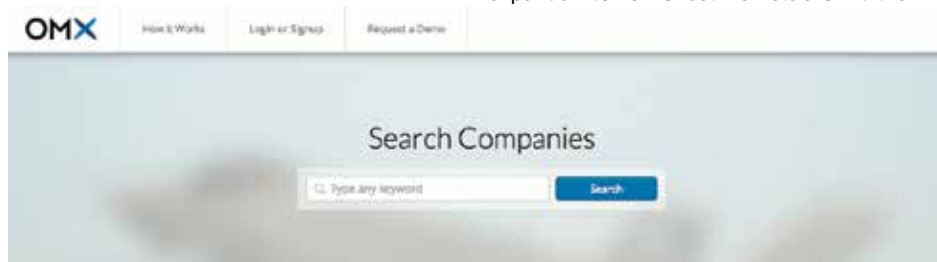
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OMX has recently incorporated over 18,000 company profiles of international suppliers streamlined for the defence and aerospace industries to its database. This is the first step in the globalization of the OMX platform as it expands into new offset markets around the



OMX is a digital portal that connects businesses in the defence, aerospace and security industries.

The OMX marketplace provides access to tens of thousands of companies by region, size, classification and capability. It also contains a robust transactional system for connecting companies through collaborative data and document management feature. The OMX document feature allows for the effective management of causality and compliance. The platform generates real-time data analytics and reporting to ensure companies are ahead of their offset obligations.

OMX is an industry-led initiative empowering Canadian and international businesses to improve compliance, increase efficiency, reduce cost and ensure optimum economic benefits from government procurements.

As a prime defence contractor in the OMX marketplace, you'll be able to:

- Access suppliers by region, size and capability using one of the world's largest structured databases of defence, aerospace and security companies
- Use advanced search functionality to isolate recipients which meet your specific needs
- Encourage suppliers to use the CCV calculator to validate their offline calculations
- Bookmark, annotate and share comments on potential suppliers
- Create reports of bookmarked suppliers for causality and internal communications

As a potential defence offset recipient/supplier in the OMX marketplace, you'll be able to:

- Claim profiles and manage company information for free
- Calculate CCV percentages correctly
- Centralize CCV data and other offset-specific documentation
- Improve visibility to key potential customers

world. A real-time RFP engine is also scheduled to be launched in summer 2015, allowing Suppliers to search for specific Requests For Proposals posted by Prime contractors in OMX.

In early 2015, OMX also introduced three new services for its users:

1. OMX Learn for SMEs and Suppliers new to the defence offset market.
theomx.com/learn
2. OMX Elite for active Suppliers seeking to leverage offset-based opportunities.
theomx.com/elite
3. OMX Analyze for Primes seeking to discover their economic footprint in the Canadian economy from government procurement projects through data analytics.
theomx.com/analyze

OMX

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President

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Paradigm Shift Technologies is a leader in providing coating practices to defence, aerospace and other industries worldwide. Founded in 1995, the company supplies the highest level of professional competence by offering environmentally safe and economical solutions in the field of coatings and engineering.



With over 100 years of accumulative technical experience, the company and its technical team have an established reputation for outstanding expertise in research, development and implementation of unique materials solutions.



Paradigm continues to be one of the preferred suppliers of coating expertise improving performance and reliability of weapon systems and other commercial and military platforms.

Based in Toronto, Canada, Paradigm Shift Technologies is also a proud member of CDIA and NDIA, as well as SAE. With its exclusive patented EPVD process, which forms the nucleus of numerous, previously untouchable environmentally benign coating applications, the company is growing exponentially and providing its customers with quality service second to none.



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CEO

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PATLON
AIRCRAFT & INDUSTRIES
LIMITED



WHO WE ARE

Patlon is an engineering sales organization that has been in business since 1953. The company exclusively represents a number of manufacturers and is involved in the aerospace and military markets. Patlon's 38,000 square foot Head Office is in Halton Hills and is ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 Certified. The company provides national coverage with offices in Winnipeg, Ottawa and Montreal.

WHAT WE DO

We work with procurement and technical personnel at OEMs, maintenance facilities and operators. In addition to engineering sales, Patlon provides various in-country value added services for both its clients and suppliers. The services include assembly, repair and overhaul, design, calibration, field installation and training.

OUR CAPABILITIES

Our primary capabilities include developing product solutions to meet the needs of our customers, developing applications for our Principals' products and application selling. Our secondary capability is the value added services we provide our customers including assembly, repair and overhaul, design, calibration, field installation and training.



PATLON PRODUCTS AND SERVICES

- Aircraft interiors
- Aluminum and composite panels
- Cable reels
- Calibration services
- Chip detectors and oil level indicators
- Composite ducting and fairings
- Confined air ventilation systems
- Crimp tools, kits and Safe-T-Cable
- Engine driven and solid-state ground power units
- Ground power unit cables
- Ground power design – hangars
- Hangar columns
- Jet pumps
- Painting
- Sewn and metal encapsulated thermal blankets
- Valves and actuators



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Photo courtesy of Rolls-Royce Canada Limited

UNIQUE TEST CENTER IN CANADA AND NORTH AMERICA

Located on a magnificent 54 ha site, the center offers its clientele a vast array of unique and unparalleled solutions for all their testing and research needs.

PMG Technologies (PMG) manages Transport Canada's Motor Vehicle Test and Research Center, which is among the most technologically advanced in North-America. The groundbreaking solutions we offer as well as our reliable and versatile expertise make us a valuable partner in the field of testing in Canada. We are glad to put our unmatched resources to the service of innovation, government agencies and manufacturers. Our facilities include:

MAIN LABORATORY

The main lab is used to check and validate the structural behavior of vehicles and to test the performance of equipment and prototypes.

GPS AND ROBOTS

The labs are equipped with over half a million dollars of state-of-the-art technology, including a combined inertial and GPS navigation system and an automated steering controller.

ENVIRONMENTAL CHAMBERS

The environmental chambers are used for tests such as cold starts, windshield defrosting and defogging, and HVAC capacity testing.



LARGE ENVIRONMENTAL CHAMBER

The large chamber can accommodate large transport vehicles such as helicopters or small planes.

- The ambient temperature can be cooled to -40°C / -40°F within three hours.
- The chamber temperature can be maintained even when a 350 Hp engine is operating at full power.

Specifications :

- Dimensions (W x D x H):
 $6.4\text{ m} \times 16.5\text{ m} \times 4.2\text{ m}$ ($21' \times 54' \times 13' 9''$)
- Door dimensions: $3.2\text{ m} \times 4.1\text{ m}$
($10' 6'' \text{ L} \times 13' 5'' \text{ H}$)
- Temperature range: -55°C to $+85^{\circ}\text{C}$
(-67°F to $+185^{\circ}\text{F}$)
- Accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$)
- Capacity: 130 kW @ -40°C
($444\,000\text{ BTU/hr}$ @ -40°F)
- Fresh air intake and exhaust:
 $56\text{ m}^3/\text{min}$ (2000 CFM)

SMALL ENVIRONMENTAL CHAMBER

The small chamber can accommodate small components and vehicle testing. The ambient temperature can be cooled to -40°C (-40°F) within three hours.

Specifications :

- Dimensions (W x D x H):
 $3.4\text{ m} \times 7.2\text{ m} \times 3.0\text{ m}$ ($11' \times 23.5' \times 9' 8''$)
- Door dimensions (W x H): $2.4\text{ m} \times 2.4\text{ m}$
($8' \times 8'$)
- Temperature range: -55°C to $+85^{\circ}\text{C}$
(-67°F to $+185^{\circ}\text{F}$)
- Accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$)
- Capacity: 8.8 kW @ -40°C
($30\,000\text{ BTU/hr}$ @ -40°F)
- Fresh air intake and exhaust:
 $56\text{ m}^3/\text{min}$ (2000 CFM)

VTS

The vehicle test structure is used to test seat belts and their anchorages, to measure traction and compression efforts and to perform penetration tests on doors as well as resistance tests on vehicles.

CRASH LABORATORY

The center we operate, which was named "Crash Test Facility of the Year" by Automotive Testing Technology International, is the only center in Canada to perform various tests configurations.

- **THE SERVO-SLEDS** can be programmed to reproduce a large array of acceleration and deceleration pulses for non-destructive testing.
- **ANTROPOMORPHIC TEST DUMMIES:** We have an extensive fleet of test dummies for all types of testing. PMG has also contributed to the development to WorldSID, the world's most technologically advanced test dummy for side impact crashes.

SOLUTIONS

COMPLIANCE AND VALIDATION SERVICES

PMG is the only Canadian center and one of the few worldwide to offer comprehensive compliance testing to Canadian and American transportation standards. We offer custom-designed testing as well as digital design model validation and provide digital test results within 24 h for all tests performed.

RESEARCH

PMG, a reputable leader in the field, provides solutions to manufacturers, government agencies and private laboratories with regards to the performance, dynamic behavior and safety evaluation of military vehicles, parts and equipment. Our solutions range from the design of test protocols to prototype validation and compliance testing.

EQUIPMENT AND FACILITY RENTALS

The test center's hi-tech facilities and equipment are available to manufacturers, government and private laboratories who wish to conduct their own private testing.

ENGINEERING AND CONSULTING SERVICES

PMG offers its services as a consultant to businesses and organizations in government, industry, technology and research sectors to provide complete turnkey solutions or to assist in the management, preparation and execution of tests as well as to write or analyze test reports and procedures.

TEST DESIGN

PMG designs and conducts testing to evaluate the performance and the efficiency of military and industrial equipment of all kinds. Our engineers and instrumentation specialists are known for the accuracy and quality of their work. Their involvement in your project ensures reliability for all our clients.

INFORMATION SECURITY

We have:

- a Facility Security Clearance;
- a Protected B personnel security clearance for all employees;
- security guards on site;
- safety processes implemented to protect against industrial espionage and information disclosure;
- computer security procedures.

PHYSICAL SECURITY

We ensure:

- the physical integrity of our premises (fence, guards on duty 24/7);
- a controlled access to our site;
- the safety of individuals on site (cameras, gate house);
- fire prevention and First Aid services;
- availability of secure windowless concrete hangars (bunkers) to store vehicles and equipment between tests.

CONFIDENTIALITY

We are:

- + registered with the Controlled Goods Program;
- + located in a secluded area, away from urban and air traffic noise.

PMG Technologies

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Pratt & Whitney Canada

A United Technologies Company

Pratt & Whitney Canada Corp. (P&WC), based in Longueuil, Quebec, is a global aerospace leader, shaping the future of business, helicopter and regional aviation with new generation engines. The company also offers advanced engines for industrial applications. P&WC's operations and service network spans the globe. The company's products power business and regional aircraft and helicopters – more than 50,000 engines in 200 countries and territories. P&WC is a subsidiary of United Technologies Corporation, a high-technology company based in Hartford, Connecticut.

For over 85 years, P&WC has played a major role in shaping and growing the Canadian aerospace industry. The company has helped to position Canada as a leader on the world stage and has generated significant socioeconomic benefits for Canadians across the country.

With an average \$450 million in annual research and development (R&D) investments in the past 10 years, P&WC is a leading R&D investor in the Canadian aerospace sector.

P&WC has certified 100 new engine models over the past 25 years – an industry record. This positions P&WC strongly within all its key markets. Today, a P&WC-powered aircraft takes off or lands somewhere in the world every second.

P&WC has built the largest, most comprehensive customer service network in the industry. Through its Customer First Centres in Montreal and Singapore, its network of 30 owned or designated repair and overhaul facilities, seven parts distribution centres, 100 Field Support Representatives, 100 mobile repair teams who can be on site within 12 hours, 800 rental/exchange engines and customer training facilities, P&WC delivers unparalleled support to its 10,000 customers.

P&WC is leading the way in developing a new generation of greener engines. The company is consistently working towards developing cleaner, quieter, more fuel-efficient engines. In many cases, P&WC betters the most stringent noise and emission standards in the industry (International Civil Aviation Organization – ICAO standards).

With facilities in Alberta, Ontario, Quebec, Manitoba and Nova Scotia, P&WC helps generate employment for Canadians across the country. The company directly provides approximately 6,000 high-quality jobs in Canada, including approximately



1,400 professionals in engineering at its R&D facilities in Quebec and Ontario.

P&WC works closely with approximately 20 universities across Canada and the National Research Council to develop new technologies and processes. The company invests \$10 million per year on collaborative projects with universities. To date, hundreds of students have worked on more than 800 projects for P&WC.

In working with over 1,300 suppliers across the country, P&WC creates and maintains many indirect jobs, stimulates Canada's aerospace industry, and creates opportunities for many small and medium enterprises.

P&WC is also committed to giving back to the community. The company and its employees contribute approximately \$3 million each year to non-profit organizations across the country focused primarily on education, arts and culture and the environment.

Pratt & Whitney Canada Corp.

1000 Marie Victorin Boulevard
Longueuil, QC J4G 1A1
www.pwc.ca

Kevin P. Smith Vice President, Human Resources & Communications

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Customer First Centre

Tel: (450) 647-8000
North America: (800) 268-8000

Sermatech Power Solutions d/b/a

At Praxair Surface Technologies, we've been deeply involved in aerospace and aircraft development for more than half a century. Today, our wide range of coating services allows our customers to meet environmental performance and safety standards, reduce operating costs, and most importantly, continue to push the innovation boundaries.

INNOVATION GROUNDED IN EXPERIENCE

We pride ourselves in working with you to analyze wear, oxidation, and corrosion problems, to develop unique engineered solutions, and to provide ongoing service and technical support. At Praxair, we work hard on the ground to help your business take off.

COMPANY STATISTICS

- Founded in 1946; Montreal operations established in 1982
- 2014 sales of \$679 million
- Manufacturing operations in more than 35 facilities in 12 countries
- 2,500 employees worldwide
- More than 600 coatings to select from
- Focused on aviation, energy, and industrial markets

COMPANY SERVICES

Engines – We offer the aircraft and stationary gas turbine industries the means to resist many types of environmental damage. From thermal barrier coatings that allow you to run your engines hotter, to abrasion coatings for tip clearance.

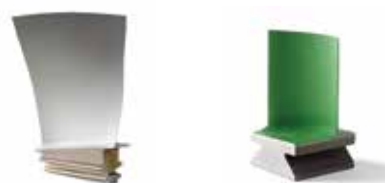
Airframe – Protection from corrosion, wear, and friction over a wide range of temperature excursions for such areas as landing gear, wing flaps and tracks, actuators, and gearboxes.

Airframe One-Stop-Shop (Montreal) –

Opened in 2014, our Airframe Center of Excellence, strategically located in Montreal, provides one-stop-shop services to OEMs

and their tier-one manufacturers. From HVOF coatings for small, large, and complex parts to services such as grinding, honing, other ancillary processes, and even part marking.

Chrome and Cadmium Replacement – We have a variety of thermal spray and high-performance slurry coatings that can help you make the switch from chrome and cadmium. Our replacement solutions provide excellent wear performance and comparable corrosion resistance. Recent additions to our chrome-free product line include Sermaloy™ CF and SermeTel® CF hexavalent chrome-free slurry coatings that are kinder on the environment but tougher than ever on corrosion.

**QUALITY PLEDGE**

Critical components and human lives depend on many of our products and solutions. Always mindful of these responsibilities, we pride ourselves on a commitment to leading-edge quality control, and we build quality into our products and processes around the globe. All of our aviation facilities are ISO registered and AS-9100, QS-9000, and Nadcap registered. In addition, we hold approvals from all major OEMs.

Praxair Surface Technologies – Montreal

10300 Ryan Avenue
Dorval, QC H9P 2T7
www.praxairsurfacetechologies.com

Luis Godin Plant Manager

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Providence Group is a government relations firm that provides business-to-business (B2B) consulting to Canadian and international aerospace companies that want to do business in Ukraine and vice versa.

Providence Group always presents a strategy and plan. We look at products and services from the perspective of buyers and sellers. We do not ignore their cultural backgrounds and needs. This allows us to set goals, prioritize and assess results more accurately.

We safeguard our clients and are not lured by "get rich quick" schemes. Instead, we build on our relationships, take time to cultivate them and concentrate on the long-term goals and gains.

Providence Group will connect you with: the outsourcing plants to offload your backlogs; partners; design and engineering bureaus; investors; government bodies and trade agencies.

We will lobby your interests to advance your business to ensure that your objectives are clearly articulated to key players in the decision-making process.

Providence Group also represents a Ukrainian Public Joint-Stock Corporation "FED" in Canada.



FED CORPORATION

FED is a Ukrainian corporation – a leader in aerospace and engineering industries in Eastern Europe and Asia with over 80 years in business. FED's aerospace and engineering products are known for their high performance and innovations around the world.



FED specializes in developing, manufacturing, maintaining and repairing aerospace and machine-building units and parts. It supplies such units and parts to all aircraft-building companies and transportation companies in the post-Soviet republics.

The company produces integral hydraulic drives, hydraulic motors, hydraulic pumps, fuel-regulating equipment, hydro-pneumatic units for rotary-wing and fixed-wing aircraft, space rocket control systems and for hydraulic system units.

PROVIDENCE GROUP

www.prov.in.ua

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President and CEO

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FED CORPORATION

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Providence Group

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Volodymyr Paslavski

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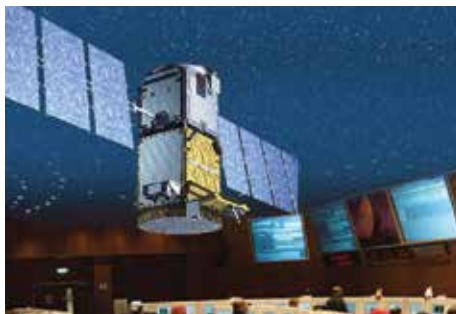
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Taras Paslavskyi

Director

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The RHEA Group is a major provider of engineering expertise and solutions to the Space, Defence and Security sectors, offering innovative engineering and software solutions to leading organizations. RHEA is a rapidly growing company operating in Europe and Canada (9 offices).

SERVICES

SPACE SYSTEMS ENGINEERING AND SPACE APPLICATIONS

RHEA supported over 80 space missions for space agencies, satellite operators, satellite manufacturers and other space suppliers. RHEA offers solutions for all phases of the space mission lifecycle:

- Payload and spacecraft design and engineering
- Spacecraft integration, testing and operations
- Space applications (Earth Observation, Space Science, Space Weather)

CONCURRENT DESIGN AND ENGINEERING

RHEA is a leading expert in the application of the Concurrent Design and Engineering approach to support the design of complex systems and programs.

CYBER SECURITY ENGINEERING

RHEA provides Information Security Services, including infrastructure protection, cyber defence solutions, and risk management to institutional and commercial clients.

CLOUD COMPUTING

RHEA offers turnkey, vendor-independent, Cloud deployment solutions to institutional and commercial clients.

PRODUCTS

Concurrent Design Platform (CDP™): The engineering tool to support multidisciplinary teams to perform Concurrent Design of complex systems:

- Internet-enabled collaboration for geographically distributed teams
- Fully scalable and customizable
- An essential tool for decision making and risk management processes

Manufacturing and Operations Information System (MOIS):

The industry leading tool for spacecraft and ground segment testing, operations preparation and automation. MOIS has supported more than 100 spacecraft, covering all types of missions. MOIS interfaces with many mission control systems.

SlipStream®: Our innovative '1-click' multi-cloud application deployment platform. SlipStream® is a cloud-agnostic provisioning platform that gives freedom of choice, avoiding lock-in with a Cloud service provider. It is successfully being used by commercial and institutional customers to interface easily with multiple cloud computing services.

NuvlaBox®: Our ready-to-use private cloud-in-a-box solution. NuvlaBox® allows the deployment of applications in situations of limited network connectivity, and can operate in harsh environments. NuvlaBox® is ideal for field operations and education in emerging regions, due to its small size and support of data privacy and security applications.

RHEA Group

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Manager, Aerospace Engineering

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Rockwell Collins



Rockwell Collins is a pioneer in the development of world class communication, avionic, simulation and training solutions for both government and commercial applications in Canada. Specifically, our expertise lies in flight deck avionics, strategic communications systems, information management and simulation and training services which are delivered by 20,000 employees worldwide. Rockwell Collins also has a renowned global service and support capability as demonstrated locally with our longstanding relationship with Air Canada and the Canadian Armed Forces.

Rockwell Collins is committed to Canadian aerospace and defence exemplified by our ongoing investment and collaboration with Canadian firms and research institutions across Canada for the development, production and support of advanced avionics and communications systems.

On October 1, 2012, Rockwell Collins operations in Canada were merged in to a single company, Rockwell Collins Canada, to improve efficiencies in operations by leveraging our commercial aviation best practices in Montreal and our networked communications excellence in Ottawa for the benefit of both government and commercial customers. The combined company has its headquarters in Ottawa and employs approximately 140 personnel in Canada.

Rockwell Collins Ottawa specializes in the design, development, support, modeling and simulation of wireless, ad-hoc networking technologies for tactical applications used by the Royal Canadian Navy & Army, as well as coalition partners around the world. The Ottawa facility also serves as a focal point for all Rockwell Collins systems, services and repairs for Government of Canada customers.

Rockwell Collins maintains a substantial systems engineering presence in Montreal, providing system engineering services to Bombardier, one of the world's largest commercial and business aircraft manufacturers. The Montreal facility plays a central role in supporting primarily Bombardier development and production programs with avionics design, installation, integration and test support as well as customer and sales support.

ROCKWELL COLLINS CANADA

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Montreal office:

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Site leader: Karim Ibrahim, Program Manager, Commercial Systems

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Rolls-Royce

TRUSTED TO DELIVER EXCELLENCE

Rolls-Royce Canada Limited is part of the Rolls-Royce plc Group, with the vision to create better power for a changing world via two main global business segments, Aerospace and Land & Sea. These business segments address markets with two strong technology platforms, gas turbines and reciprocating engines. Aerospace comprises Civil Aerospace and Defence Aerospace. Land & Sea comprises Marine, Nuclear and Power Systems.

WHO WE ARE AND WHAT WE DO

Located in Lachine, Quebec, since 1947, Rolls-Royce Canada Limited is well recognized for its aerospace engineering expertise. Our main activities include: repair and overhaul on a wide range of civil and military aero engines; component repair services; and research and development.

From the Rolls-Royce plc Group perspective, Rolls-Royce continues to be a critical partner of the Canadian Government and plays a vital role in such key programs as the C130J Tactical Airlift program, the Canadian CC130 Hercules and the CP140 Aurora aircraft programs as well as the NATO Flight Training in Canada program (NFTC). With Canadian facilities located in six provinces from St. John's, Newfoundland, to Vancouver, British Columbia, Rolls-Royce has contributed substantial high-value Industrial Regional Benefits (IRBs) to the Canadian economy through significant involvement in major defence programs over many years. Additionally, our Canadian Marine Group has grown substantially and is actively involved in the Crown's National Shipbuilding Procurement Strategy programs for the Canadian Navy and Coast Guard. Rolls-Royce also powers three potential candidates for the upcoming Fixed-Wing SAR program: the Lockheed Martin C130J aircraft, the Alenia C-27J Spartan, and the Bell-Boeing V-22 Osprey aircraft.

CUSTOMER CARE

We serve more than 600 operators in 30 countries worldwide. Customers of Rolls-Royce Canada include airlines, corporate operators and government bodies around the world. We are committed to providing services that ensure cost effective and reliable operations.



PRODUCTS AND SERVICES

Rolls-Royce Canada is an authorized maintenance centre for the BR710, BR715, AE3007, Tay, Spey and IAE V2500 engines. As a centre of excellence for the repair of fan blades, combustion chambers and turbine blade and vanes, we offer component repair services for a wide range of Rolls-Royce products, including the Trent and RB211 engine family.

PEOPLE AND COMMUNITY

Rolls-Royce Canada employs over 1,200 dedicated men and women in six provinces across Canada in a wide array of disciplines. Care and concern for our people, the environment and the communities in which we operate are integral elements of the way we do business.

For more information about Rolls-Royce, please visit our website: www.rolls-royce.com

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Long before the Wright brothers dreamed of flight, the M & L Samuel Company was formed in 1855. Since that time, we have evolved from a small hardware and metals business to become one of the largest metals distributors in North America.

The dynamics of flight requires a clear focus and stringent quality control. Recognizing this need, in 2010 Samuel Aerospace Metals was formed to take advantage of the knowledge and expertise of individuals within the company to expand our participation in this critical market sector.

In combination with our supplier partners, our customers can expect materials of the highest quality delivered on-time to their exacting standards. As our network of distribution centres continues to grow, quality is uncompromised at each location through a variety of AS, ISO and TS standards ensuring conformance to customer's requirements without question.

With the backing of the Samuel, Son & Co., Limited network, Samuel Aerospace Metals is fast becoming a leading supplier of aerospace materials in this most exacting market.

PROCESSING CAPABILITIES – METALLURGICAL SERVICES AND TREATMENTS

Samuel Aerospace Metals provides a wide range of aircraft specification materials and processing capabilities that include:

- Plate sawing and water jet profiling
- Surface machining
- Tube and extrusion cutting
- Shearing
- Plastic coating
- Kitting services

We provide an exceptionally diverse selection of aircraft quality metals that meet commercial and military specifications. These metals include aluminum, titanium, stainless steel, alloy steels, brass alloys and specialty metals. We also support Hard-To-Find and AOG Requirements.

QUALITY AND SERVICES – THE SAMUEL ADVANTAGE

Our trained quality staff closely validates every order against the material specification. Non-destructive techniques, including hardness, ultrasonic and electrical conductivity, are available.

With the framework of The Samuel Group of Companies behind us, we offer a broad range of processing capabilities and transport options. Manufacturers benefit through our supply chain management systems by allowing customers to remove non-value added processes and significantly reduce inventories.

Samuel Aerospace Metals is here at your service. We understand that when material is purchased to a specification, it is our customized service that will distinguish us from our competition.

CERTIFICATIONS:

AS9120 A and ISO 9001:2008

Samuel Aerospace Metals – Division of Samuel, Son & Co., Limited

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Paul Sutcliffe Managing Director

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BRINGING TOGETHER THE BEST PEOPLE IN THE AEROSPACE INDUSTRY

Saxon Aerospace: Personnel, Project and Compliance Services

PERSONNEL – FLEXIBLE STAFFING

Saxon Aerospace makes the connections between aerospace professionals throughout North America. Our strength is supplying flexible staffing to your AMO or manufacturing organization. Our personnel are selected for their experience, qualifications, skills and work ethic.

Our success at matching companies and contractors is built on our diversely skilled team. Clients and candidates are treated with integrity, trust and professionalism – this is the culture we foster and share.

We are instrumental in improving workforce performance, reducing hiring costs, expanding workforces and coordinating complicated hiring scenarios. Saxon's experience and vast professional network enable us to serve your needs as a priority.

PROJECTS – AEROSPACE PLANNING

Saxon offers project management services with experience in:

- Set-up of new departments with tooling/ equipment
- Identification and ordering of consumables
- Material sourcing
- Crew sourcing and scheduling

By reviewing the needs to all stakeholders along with the project scope we will create a plan to meet your company's objectives.



COMPLIANCE – CONTROLLED GOODS

Saxon Aerospace is a compliant company with the Controlled Goods Program of Canada.

In addition to assisting with your controlled goods application, security plan and employee screenings, we also supply compliant manpower to supplement your own workforce.

- Threat and risk assessments
- Security plans and audits
- Training and employee screenings
- Field evaluation readiness
- Compliant staffing and maintenance

If your company is not yet certified, we can help get you there.

Saxon Aerospace Inc.

www.saxonaerospace.com

Toll Free: 1 (866) 254-1288

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Operating from Greater Vancouver, BC

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Technical Account Manager

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ray@saxonaerospace.com



ISO 9000:2008 & AS9100C (AÉROSPATIALE/AEROSPACE)

Née de l'expérience d'entrepreneurs européens et du savoir-faire nord-américain, **SECM-GT International** a su se développer dans un contexte de mondialisation.

Grâce à l'expérience, l'implication, la formation continue de son personnel ainsi qu'une veille technologique constante, notre entreprise se doit de proposer à chacun de ses clients des solutions optimales en qualité et en prix.

*From its European roots and North American operations, **SECM-GT International** combines the strengths of entrepreneurial know-how and leading-edge technical skills. Able to support its clientele in a rapid globalization context, our company uses the experience, skills and commitment of its personnel to generate optimum solutions for its customers.*

With a constant eye on cost and quality, we rigorously apply the latest technology and upgrade the skills of our employees in a continuous improvement environment.

Notre Force – le sur mesure / Our Strength – made to measure: Notre principal secteur d'activité étant la conception et réalisation d'équipements industriels de production il nous a fallu créer une équipe dynamique, motivée et pluridisciplinaire afin de répondre à tous les domaines qui servent à la réalisation de ces projets.

Ainsi nous disposons de spécialistes dans de nombreux corps de métiers: ingénieurs mécaniques, ingénieurs en systèmes automatisés et robotique, concepteurs, programmeurs de machines CNC, techniciens en fabrication et monteurs, tous sont des spécialistes dans leur domaine et contribuent à la réussite de SECM-GT International.

SECM-GT International's primary focus on design and manufacturability for industrial production is ensured via our dynamic and motivated multidisciplinary engineering teams, who offer the capabilities required to accomplish your requests.

The internal specialists/engineers with whom we have the privilege to work as colleagues come from such disciplines as: mechanical engineering, automated systems and robotics engineers, designers, CNC equipment programmers, manufacturing technicians as well as installation technicians.

Usinage de Qualité / Quality Machining:

La réalisation d'équipements de pointe nécessite la fabrication de pièces de pointe. C'est pourquoi nous avons développé une grande expertise dans la fabrication et l'utilisation des machines d'usinage.

Manufacturing high-precision equipment requires extremely precise quality parts.

***SECM-GT International** has developed an expertise in machining equipment.*

Automatisme / Automation: Que ce soit dans le cadre de réalisation d'un équipement, ou pour vos projets d'automatisation ou modernisation de vos équipements existants, nous sommes en mesure de vous offrir le service complet d'automatisation.

*Be it for new equipment development or existing process modernization, **SECM-GT International** is able to offer you a complete range of automation services, from project-based to turnkey solutions.*

SECM-GT International Inc.

4181 Portland Boulevard
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Miguel Mariño Directeur Général

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ABOUT

For over 25 years, Shimco has served the aerospace, defense, space and industrial sectors worldwide. Shimco is a leader in manufacturing laminated materials and in producing precision parts, laminated and edge-bond shims, tapers and spacers, in materials ranging from aluminum and titanium through to synthetics and plastics. We are a key manufacturing supplier to many industry-leading companies such as Bell Helicopter, Embraer and Bombardier Aerospace.

Shimco offers a tradition of innovation, precision and execution, providing solutions that meet or exceed international and customer-specific standards. Shimco is an ISO 9001:2008 and AS9100C registered company and is certified under the Canadian Controlled Goods Program. Our commitment to quality, on-time delivery, lean manufacturing and financial strength is unparalleled. Canadian Headquarters are located in Markham, Ontario.

Shimco works closely with reputable Nadcap approved subcontractors for added value such as heat treating, sand blasting, anodizing, priming, painting, non-destructive testing and other processes required to complete orders to our customers' specific needs.

MARKETS

Since its inception, Shimco's product offerings have evolved to focus primarily on aerospace applications. Today, it serves many key markets throughout the world in aerospace, defense, military, space and industrial markets.



We partner with many industry-leading companies, including:

- Aernnova Aerospace
- Airbus
- Asco
- Bell Helicopter
- Boeing
- Bombardier Aerospace
- Embraer
- GE
- Goodrich
- Héroux-Devtek
- Triumph Group
- Sonaca
- Sumitomo Precision Products
- Wesco Aircraft

ACHIEVEMENTS

Over the last 25 years, Shimco has celebrated a number of achievements and certifications:

- ISO9001:2008 and AS9100 (Rev C) certified
- Bell Helicopter "Premier Supplier" award
- Bombardier key supplier
- Canadian Controlled Goods Program certified
- Many "Customer Approved" supplier certificates including Goodrich, Embraer and Wesco
- Winner of the Markham Board of Trade's Business Excellence Award (Innovation)

Shimco

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Peter Voss

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Shiple Canada is a professional services company and part of Shiple's global network of companies. The core and only business of Shiple worldwide is the broad spectrum of business development. Shiple defines the business development lifecycle as spanning early-stage market segmentation, opportunity assessment, capture planning, proposal management and preparation along with post-award transitioning into implementation. Shiple injects rigour and discipline into the various stages of the business development process by bringing to bear sophisticated best practices delivered by, arguably, the best trainers and consultants in the business.

Shiple Canada was created in 2008 with headquarters in Ottawa. The company services the growing Canadian marketplace with its three major divisions: training, consulting and process improvement. We offer opportunity-specific consulting support such as:

- Full outsourcing of capture planning and proposal preparation
- Specialized staff augmentation to clients' bids and proposals teams
- Strategic consulting for milestone events such as bid/no-bid decisions and colour-team reviews
- Focused, just-in-time training, preparatory to an RFP response

The company also offers important consulting support in the area of process improvement whereby a client's current business development process is assessed against capability maturity benchmarks and then, where warranted, Shiple leads a project to re-design, roll out and train on a new and improved process and guide book.

On the training side, Shiple offers a wide range of one, two and multi-day workshops that are organized as either open-enrollment events or as on-site workshops dedicated to an individual client's specific needs. A few of the most popular workshop titles are:

- Pricing to Win
- Capturing Federal Business
- Winning Sales Proposals
- Winning Executive Summaries



Shiple's intellectual property, supporting materials and consulting depth are of unparalleled quality. The company has a historical and recurring track record of generating unprecedented win rates for clients in the order of 80% or more. The company numbers 43 of the top 50 Fortune 500 companies among its clients.

Shiple Canada Corp.

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Solaxis Ingenious Manufacturing can help you fast-track your manufacturing projects. We quickly manufacture complex lightweight parts that will save you time, reduce weight and generate savings across your manufacturing value chain.

We specialize in fabricating parts for the aerospace, land transportation, defence & security and industrial sectors, including:

SPECIALIZED TOOLING

- Tooling, Jigs, & Fixtures:
 - » Inspection fixtures
 - » Production support
 - » Finishing and masking
- Robotic End of Arm Tooling:
 - » Vacuum & mechanical grippers

PARTS & PROTOTYPES

- Low Volume Production:
 - » ULTEM 9085 (FST, FAR 25.853)
 - » Parts for business jets
- Functional Prototypes:
 - » Form, fit and function
 - » Surrogate parts

Our areas of expertise include:

- Industrial 3D printing of thermoplastic parts with impressive mechanical, thermal, chemical, electrical properties
- Finishing and surface treatment
- Mechanical Design:
 - » CATIA V5, SOLIDWORKS 2015
- Management of engineering projects



Solaxis Dimensional Metrology can help you facilitate your dimensional inspection and reverse engineering experience. We have a state of the art laboratory supported by innovative technologies. We specialize in:

DIMENSIONAL INSPECTION

- Part-to-CAD inspection
- First Article Inspection Report (FAIR)
- Part-to-CAD adjustment

REVERSE ENGINEERING

- 3D Laser Scanning & Probing
- Part-to-CAD Modeling
- CAD-to-Part Adjustment

Our areas of expertise include:

- GD&T (Geometric Dimensioning & Tolerancing)
- On-site & Off-site Measurement:
- Professional staff (technicians and engineers)
- Metrology Project Management

Solaxis

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Since 1989, Sonovision Canada has provided technical and engineering documentation services and technical translation services to commercial aerospace and defence manufacturers across North America. Sonovision Canada has its head office in Ottawa, satellite offices in Edmonton and Montreal, and offices in Phoenix, Arizona and Mobile, Alabama. In addition, we operate state-of-the-art low-cost centers in Romania and India to help support our clients' cost-cutting initiatives.

Our core business focusses on providing a complete publications management solution. We can supplement your existing in-house publication services or provide a complete outsourced documentation solution to best meet your needs. Sonovision Canada employs full-time Subject Matter Experts (SME) comprised of engineers, project managers, writers, editors, illustrators, translators and quality assurance professionals.

If you need to produce, update, manage, or convert technical or engineering documentation, technical illustrations, or require translation services, we can help. If you have ITB requirements to meet, we can assist you. We can meet all your needs for authoring and translation to current commercial aerospace and military specifications.

Capabilities include S1000D, Canadian Forces CFTO, US DOD Technical Orders, MIL-SPEC and ATA 100/2200. We can develop in any commercial application including SGML, XML and Interactive Electronic Technical Manual (IETM) based development. We have extensive experience in all types of aerospace documentation including, but not limited to, AMM, CMM, IPC, Engineering and Operations manuals.

We are Controlled Goods registered and have the capability to handle, transfer, and maintain your secure data in virtually any format.



Sonovision Canada is an ISO 9001:2008 certified company and plan to be ISO AS9100C compliant by mid-2015. We continuously strive to meet and exceed our customers' expectations.

Please visit our website for a more detailed briefing of our service offerings.

Sonovision Canada Inc. core competencies:

- **Technical Publications Services**
- **Technical Translation Services**
- **Engineering Services**

Sonovision Canada Inc.

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Southport is a not-for-profit, property management and development company, located 3 km south of Portage la Prairie, Manitoba, Canada.

Southport's goal is to establish a world-class business centre balanced with lifestyle, wellness, and recreation facilities. Featuring aviation and aerospace training facilities, research and development of new products, light manufacturing, educational institutions, beautiful open spaces, a golf course, and a fitness centre.

Southport's major airport facilities include four active runways, with the primary landing strip 7,000 ft. It has the capability of supporting both VFR and IFR operations down to Cat 1 precision approach limits. Southport has a Transport Canada approved air traffic control tower and ground support services are available during published hours of operations. The airport is mostly used for military flight training, but it is also available to the general public.

Southport's anchor tenant, KF Aerospace – Defense Programs, is responsible for the military flight training on site, Southport also has 10 other commercial tenants:

- Accelerated Christian Education Canada
- Addictions Foundation of Manitoba
- Airport Technologies Inc.
- Assiniboine Community College
- Nutri-Pea Limited
- Portage la Prairie EMS
- Red River College – Stevenson Aviation
- Southern Health – Santé Sud
- Southport Bowl
- Southport Golf Course

There are over 180 residential housing units available on-site at Southport, as well as three student and public accommodation buildings; the Barker Building, the Allan McLeod Building, and Mynarski House.



Southport Aerospace Centre Inc.

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Peggy May
Chief Executive Officer

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Springbrook Aerospace is the aerospace division of Air Spray Ltd., an Alberta company operating air tanker (water bomber) aircraft for wildfire suppression in Western Canada since 1967. Through our nearly 50 years of converting, maintaining and operating a large fleet of specialty aircraft, we have become industry leaders in several key areas of aerospace.

Key Strengths:

- Structural design, modifications and repair
- Special purpose aircraft conversion
- Non Destructive Examination
- Metal and composite fabrication, machining and processing
- Maintenance training
- Flight simulator design and development
- Fire retardant tank design, manufacture and installation

Additional Capabilities:

- MRO
- Avionics and infrared imaging servicing and installation
- Parts fabrication
- Wheels and brakes
- Computerized inventory and maintenance planning systems
- Engineering services including aircraft repair and modification design, continuing airworthiness support, STC development, structural life and fatigue monitoring programs

Facilities and Staff

Springbrook Aerospace operates from both a Canadian and USA maintenance facility. The Canadian facility is located at the Red Deer Regional Airport in the community of Springbrook, Alberta. Purpose built in 2003, this 9,500 square metre facility is state of the art, complete with an assortment of shops including engine, paint, components, avionics, wheels and brakes, NDT, CNC and heat treatment. The facility also includes an engineering and design department and training and classroom space for training both AMEs and pilots. The facility also includes two aircraft cockpit flight simulators developed and manufactured in-house. Our California, USA facility supports the overflow of aircraft conversion work, including avionics installation, MRO and structural modifications.

Springbrook Aerospace employs aircraft maintenance engineers skilled in a wide variety of areas and aircraft types. We also

have in-house CNC machining, welding, maintenance planning, inventory systems, aircraft paint, avionics and NDE specialists.

Relationships

Through our years of experience we have established solid working relationships with OEMs such as Lockheed, British Aerospace, Bombardier, Twin Commander and Cessna. We also have solid supply relationships for the provision of supporting equipment and parts, aerospace grade metal, avionics, infrared and other imaging and inventory and maintenance planning technology. We also enjoy an excellent relationship with Canadian training institutions upon which our AME training program relies. Our service, equipment and training customers have included Provincial and foreign governments. We have also carried out successful target towing operations for the Canadian Military. In short, we have experience providing services at both a civilian and military level, both locally and internationally.

Springbrook Aerospace is looking to grow our business and expand our capabilities as new opportunities present themselves. We are planning a new maintenance facility at the Red Deer Regional Airport starting construction in mid 2014 to handle the maintenance requirements of larger aircraft. Our depth of knowledge and experience puts us in an excellent position to handle a wide range of possible areas of expansion in the Canadian aerospace industry. Please contact us to find out more about our capabilities.

Springbrook Aerospace

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www.springbrookaerospace.com

Lynn Hamilton **President and CEO**

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Photo courtesy of AgustaWestland





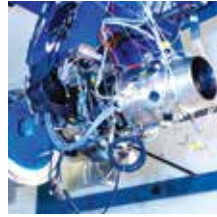
StandardAero specializes in engine maintenance, repair and overhaul (MRO), and nose-to-tail services that include airframe, interior refurbishments and paint for business and general aviation, air transport and military aircraft.

COMPANY FACTS

- StandardAero is celebrating 103 years of service (founded 1911)
- Worldwide employment of approximately 3,700 with 1,300 in Canada
- 2014 sales approx. \$1.7 billion
- Global services network of 14 primary facilities in Canada, the U.S., Europe, Singapore and Australia
- Over 50 sales and field service locations
- Customers in over 80 different countries

COMPANY SERVICES

Engines – A leader in providing engine service for the Rolls-Royce T56, AE1107, AE2100 and AE3007, and the first independent repair and overhaul company to hold General Electric Authorized CF34® Service Provider status. StandardAero is also authorized by General



Electric to service CFM56-7B engines. The company also supports repair and maintenance services for one of the world's most successful helicopter engines, the Rolls-Royce model 250 and also RR300 engines. Other expertise in: Pratt & Whitney PT6A, PW600 and PW100; GE LM1600, Rolls-Royce 501K and Vericor TF40/TF50 industrial engines.

Auxiliary Power Units – Main supplier of major maintenance for Honeywell 36 Series, RE220, and Hamilton Sundstrand APS2300 auxiliary power units (APUs).

Airframe – Performs airframe work ranging from standard inspections to major alterations. All facilities are FAA-certified repair stations and have airframe capabilities related to the needs of their respective geographic locations. Services are provided for: Airbus Industries, Boeing Business Jet, Bombardier, Cessna, Dassault, Hawker and other popular business jets.





Mobile Service Teams – Strategically located Mobile Service Teams are designed to provide customers with greater flexibility, while reducing costs and downtime; available 24 hours a day, seven days a week.

Energy & Industrial – The Energy Services group provides total package solutions of turbine engine overhaul, component repair and field service to the power generating market all over the world.

Component Services – Following the philosophy of “repair rather than replace” worn or damaged parts to meet OEM specifications, the team works to shorten turnaround times, while helping optimize engine performance and minimize overall operating costs. This service includes repair and overhaul for a multitude of OEM engine and APU components including Rolls-Royce, General Electric, Pratt & Whitney and Honeywell.

Associated Air Center – Associated Air Center is world renowned for its custom-designed and crafted interior completions, MRO services, engineering and certification.

Technical Services is made up of Electronic Publications and Document Management and the StandardAero Reliability Program. The first was developed to articulate critical information in a convenient, cost-effective and timely manner. It's capable of producing work to the latest military and commercial specifications, including S1000D. The Reliability Program was designed as a way to more efficiently manage and utilize large inventories of engines, components and parts. The program holds a number of patents and has proven to be highly successful and cost-effective, with both commercial and defense customers worldwide.

StandardAero

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**Canada's
Largest
Propulsion
Sustainment
Company**



STELIA AEROSPACE is a wholly-owned subsidiary of Airbus Group created on January 1, 2015 as a result of the merger between AEROLIA and SOGERMA. STELIA AEROSPACE is a new global player with multiple aeronautical specialties: aero structures, systems integration, equipment, design, production, Business and First class passenger seats and pilot seats.

STELIA NORTH AMERICA, formerly Composites Atlantic Limited and AEROLIA Canada, leverages its capabilities, synergies and expertise to offer design services, assembly, systems integration, manufacturing of complex composite and metallic structures, sub-assemblies and components.

COMPOSITES

STELIA NORTH AMERICA COMPOSITE

MANUFACTURING specializes in the design, development and manufacture of advanced composite structures and assemblies for the aeronautic, defence and space markets. With over 25 years of experience, Stelia North America has a particularly strong focus on commercial aircrafts with products that include aircraft structural components and control surfaces. Stelia North America is vertically integrated offering a wide range of services from conceptual design, material testing and inspection of the final product. Its team of 450+ personnel serves its customer base with experience in project management, engineering, design, development, testing, procurement, quality assurance and manufacturing. For more details, please visit our website at www.stelia-aerospace.com.

MARKETS: Aeronautics, Defence and Space.

OUR CORE TECHNOLOGIES: hand layup with autoclave/oven curing, filament winding, liquid composite molding, compression molding, CNC machining, Automated Fiber Placement (AFP).

SERVICES: Design and analysis software (CATIA V5, Nastran and Fiber Sim), Manufacturing of composite structures, sub-assemblies, prototyping, R&D.

PROCESS QUALIFICATIONS: Airbus, Boeing, Bombardier, Northrop Grumman, Westland, ISO-14644 and others.

CERTIFICATIONS: AS-9100 Rev C, Transport Canada, NADCAP-Composite Manufacturing NDT & Chemical Processing.

PRODUCTS: air ducts, anti-icing ducts, cargo light housings, ECS Duct assemblies, Fan Cowl door, flaps, flap shrouds, ice shield, landing lights, landing gear door, launch tubes, leading edges, nose compartment, precooler ducts, pressure vessels, radomes, reflectors, ribs, rocket motor cases, satellite antenna panels, solar panel substrates, sponson, structural parts for fuselage (stringers, skins), various fairings, visors, wing tips.

SERVICES: Design and structural analysis of composites and metallic components. Tooling design and manufacturing, R&D and prototyping, manufacturing, NDI and testing, program management.

TOP 10 CUSTOMERS: Agusta Westland, ARDÉ Bombardier Aerospace, Boeing, Honeywell-Grimes, MBDA, MDA, Northrop Grumman, Spirit Aerosystems, Stelia Aerospace, UTAS.





ASSEMBLY AND SYSTEMS INTEGRATION:

STELIA NORTH AMERICA ASSEMBLY AND

SYSTEMS INTEGRATION, located in Mirabel, specializes in the assembly of large metallic and composite aero structures and integration of systems. Our highly skilled engineers and technicians focus on delivering innovative solutions on-schedule and on-budget.

SERVICES:

ENGINEERING:

- Design and stress analysis

ASSEMBLY AND SYSTEMS INTEGRATION:

- End to end process for complex structural sub-assemblies
- Systems integration
- Plug & Fly solutions
- Product customization

FACILITY & EQUIPMENT:

- Our new 85,000 square meter facility – with room for expansion – is located at the Montreal-Mirabel airport.
- We use the most advanced technologies and equipment to support our clients.

PROCESS QUALIFICATION

AND CERTIFICATION:

- OEM approvals: more than 20 processes with Bombardier
- EN 9100 & ISO 14001 (Scheduled for the 3rd quarter 2015)

CONTACTS & DIRECTIONS

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TDM Technical Services provides SPECIALIZED, GLOBAL SOLUTIONS to aerospace companies worldwide.

SPECIALIZED:

TDM Technical Services Aerospace Division deals only with clients in the aerospace community. Our highly skilled staff are specialists within their fields. From Stress Analysts to Structures Designers, Certification Specialists to Systems Engineers, we know the best, what they do and where to find them.

GLOBAL:

TDM Technical Services Aerospace Division is a truly worldwide organization with offices in North America, Europe and the Asia-Pacific region. We know how the global marketplace works. We draw on an international pool of expertise to support your operations at any location. At TDM Technical Services, we work efficiently to fill your operational needs with qualified specialists.

SOLUTIONS:

TDM Technical Services Aerospace Division offers a complete range of staffing solutions. We have the expertise and facilities to conduct work on-site or off-site as best fits your needs. We can provide the best human resources available on an as-needed contract basis, or undertake specialist work packages involving the design, analysis and certification of aircraft systems and structures at our Toronto-based engineering office. We also have the experi-

ence and IT infrastructure to offer Vendor Management and Out-Sourced Recruitment for companies that prefer indirect involvement in the recruitment process.

TDM Technical Services has the depth of talent and experience to give your organization the flexibility and technological expertise that are necessary to stay competitive in today's market. Wherever you are in the world, whatever your needs, we can help.

TDM Technical Services

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Headquartered in Ottawa, Canada, with offices and facilities around the world, Telesat is a leading global satellite operator providing reliable and secure satellite-delivered communications solutions to both commercial and government customers. The company has a state-of-the-art global satellite fleet and manages the operations of additional satellites for third parties.

Telesat professionals are proud to be industry specialists who have built a reputation for innovation, responsiveness and operational expertise in meeting the communications needs of customers around the world that include:

- Broadcasters
- Enterprises
- Telecom carriers, integrators and ISPs
- Government agencies and organizations

BROADCAST SERVICES

Telesat today is a leading distributor of HDTV channels among global satellite operators. The company has been at the centre of the rapid growth in North American satellite direct-to-home (DTH) services and provides major North American broadcasters with cable-head end delivery, Satellite News Gathering (SNG), educational programming/distance learning, and business-to-business communications.

In Latin America, Telesat has created a growing video community in Brazil and neighbouring countries. In Europe, the Middle East and Africa (EMEA) and Asia, Telesat is an attractive option for video distribution and contribution customers.

DATA NETWORKING

Telesat's networking solutions offer flexible architectures that combine teleport facilities with service and security levels to meet the needs of today's commercial and government customers. Our end-to-end solutions are backed by world-class implementation, training, and technical support.



Telstar 12 VANTAGE – under construction

Telesat's new High Throughput Satellite scheduled to launch late 2015.

SATELLITE CONSULTANCY

Telesat's consulting group is sought after by communications companies, governments, insurers and enterprises around the world for unbiased guidance in complex technical and commercial decisions. The group specializes in supporting satellite operators, spacecraft manufacturers and telecom service providers who want to innovate and improve the performance of their networks.

Telesat Canada

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THALES GROUP

Thales is a global technology leader for the Aerospace, Transport, Defence and Security markets. With 61,000 employees in 56 countries, including over 20,000 engineers and researchers, and reported sales of \$19 Bn CAD in 2014, Thales has a unique capability to design and deploy equipment, systems and services to meet the most complex security requirements.

Building on a solid industrial base in Europe, North America and Asia-Pacific, Thales has established aerospace centers of excellence on all five continents and is committed to providing secure and seamless solutions to its vast array of customers around the globe.

THALES CANADA

Thales Canada has over 1350 employees in Quebec City, Montreal, Ottawa, Toronto and Vancouver. Thales Canada generates annual revenues of around \$500 million on average, in urban rail system solutions, civil avionics, and defence and security technology products and services.



Thales Pad: mobile and connected Electronic Flight Bag solution ©Thales



Avionics 2020 intuitive new generation cockpit ©Thales



Design, integration, testing, and validation of a full fly-by-wire system ©Thales

AVIONICS

Thales Canada, Avionics boasts over 30 years of experience in critical system development, integration and certification, ensuring unparalleled know-how and proven success on the world's most innovative and complex programs. This has enabled the Montreal facility to become the Thales Center of Excellence in Flight Controls.

Thales Canada, Avionics designs and integrates fly-by-wire flight control technology and has experience in the integration of avionics solutions, satellite communication systems and integrated electronic standby instruments. Leveraging this expertise, Thales Canada, Avionics is recognized for its high level of quality, efficiency and range of capabilities in software development, robust computing devices and control technology.

Thales Canada serves major Aircraft Manufacturers such as Bombardier, Gulfstream and Embraer.



Flight Control Computer ©Thales

FLY-BY-WIRE SOLUTIONS

Fly-by-wire flight control technology offers substantial benefits in terms of flight safety, aircraft reliability and weight savings compared to legacy systems. It allows for greater flexibility in cockpit design and provides much improved handling qualities, making it a keynote feature of every new aircraft design, whether fixed or rotary wing.

Using unique and dedicated tools, Thales' development teams provide proven methods that enable clients to reduce their overall risks and enhance their rapid prototyping capabilities.

Thales' fly-by-wire solutions are featured on the Gulfstream G650, the most advanced super long range business jet on the market, in addition to the newly launched Gulfstream G500 and G600.

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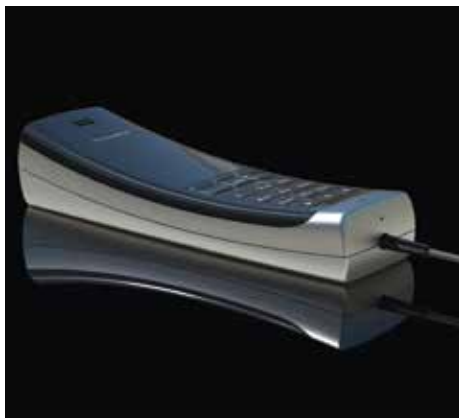
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TRUE NORTH

Fly. Connect. Succeed.



Headquartered in Ottawa, Canada, TrueNorth Avionics is a leading (OEM) airborne communications company that designs, develops, certifies and manufactures cabin connectivity solutions for VVIP, Head Of State and VIP defence aircraft. TrueNorth's premiere Simphonē OpenCabin® solutions enable seamless connectivity from office to sky, delivering high fidelity voice, VOIP, video conferencing, GSM, Data, Fax, Wi-Fi® Internet, E-mail, FANS over Iridium and connectivity for mobile devices.

TrueNorth's solutions are certified on a wide range of aircraft types, including Bombardier, Boeing Business Jet, Airbus, Gulfstream, Dassault, Sikorsky, AgustaWestland.

Flying on a Business Aircraft no longer means being disconnected from your life and your business. TrueNorth's application-based approach ensures that your business aircraft will always be ready to communicate when you are now, and into the future. TrueNorth solutions are providing business value to Fortune® 50 corporations, heads of state internationally including Royal Families, Kingdoms, leaders of all three North American countries and celebrities, enabling an enhanced Lifestyle in the Sky™.

TrueNorth is a proud member of the Aerospace Industries Association of Canada (AIAC); the National Business Aviation Association (NBAA); the European Business Aviation Association (EBAA); the Middle East Business Aviation Association (MEBA); the Canadian Business Aviation Association (CBAA); the Ontario Aerospace Council (OAC); and the Aircraft Electronics Association (AEA).

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Tube-Fab Ltd. (TFL) specializes in manufacturing and assembly of precision tubular, machined and sheet metal components and assemblies since 1953. We are ISO 9001, AS9100, Nadcap (Welding & Chemical Processing) Approved and a Certified Controlled Goods company.

We have two facilities: one plant is located in Mississauga, Ontario, a 10,000 sq. ft. facility providing a complete range of tube bending, processing, end forming and swaging, and a complete welding shop offering TIG and MIG welding for all types of stainless steel, aluminum, inconel and titanium (our titanium chamber size is 42"x32"x38" deep – with 15" ID antechamber).

Tube-Fab Ltd.'s second plant is located in Summerside, PEI in the Amherst Tanti Enterprises facility along with our other manufacturing companies in a new building occupying 70,000 sq. ft. We have a complete CNC tube bending, processing, end forming, swaging and assembly processing shop, including Alodine, Passivation, Epoxy Prime, Paint and other chemical cleaning and processing. A Full CNC Machining facility manufacturing complex machined components and assemblies for a variety of industries including: the aerospace industry including work for the International Space Station; power generation and renewable energy; pharmaceutical; medical; agricultural; marine; and many other industrial industries throughout the world.

The combined work force of the two facilities is 55 employees.

QUALIFIED SUPPLIER CERTIFIED TO:

ISO 9001:2008 plus AS9100. Nadcap Certified to AC7108 for Chemical Processing and Nadcap Certified to AC7110 for Welding.

- A registered Controlled Goods Registered / ITAR – company for Canadian and U.S. military projects.
- Fully equipped CNC machining and NC Bending Operations.
- Fully equipped welding centre (MIG, TIG) for stainless steel, aluminum, titanium, inconel.
- In house chemical processes including Alodining, Passivation, Alkaline Cleaning, Painting and Epoxy Prime, Titanium Etch.
- Fitting installation capability for proprietary brands such as Perma Swage, DME, Cryolive, Wiggins, Hydraflow, Sieracin

Harrison, plus Double Flare and extruded end fittings.

- Stamping and press machinery to fabricate sheet metal components.
- CMM and Laser Vector measurement capability.
- Bending, rolling and welding of various materials including stainless steel, aluminum, inconel, titanium from .125" through 6" diameter tube and pipe.
- Tube forming e.g. extruding, swaging, flaring, squashing, beading, etc.
- Pressure testing capability by oil up to 10,000psi, as well as air and water pressure testing capability.
- Design and manufacture tooling and fixtures.
- 1 x Dia "Tight" Radius Bending Capability.
- 24 hour AOG services and On-site.
- Various part marking and labeling capabilities.

TO CONTACT US:

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Tube-Fab Ltd.

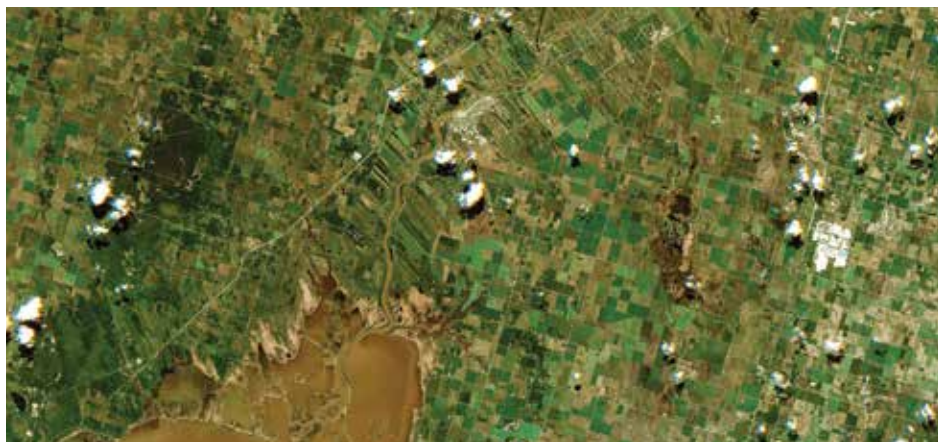
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UrtheCast has installed two cameras on the International Space Station (ISS), a pushbroom medium-resolution four-band multispectral camera and a high-resolution camera providing full colour Ultra High-Definition (4k) Full Motion Video (FMV), with full operations beginning in mid-2015.



UrtheCast is currently working on installing two more sensors on the ISS — an even higher resolution, dual-mode optical/video camera and a high-resolution, dual-X and L band SAR sensor (capable of simultaneously imaging in both bands), scheduled for launch in late 2017.

Video and still image data captured by the cameras will be downlinked to ground stations across the planet, via NASA's Tracking and Data Relay Satellite System (TDRSS). UrtheCast's space-based FMV offers a unique source of dynamic information and situational awareness.



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Photo courtesy of Conair Group Inc.



UTC Aerospace Systems

We measure our success at UTC Aerospace Systems-Landing Systems with each take-off and landing. With the formation of UTC Aerospace Systems just a few years ago, we have worked to strengthen our reputation in the industry by delighting our customers with our advanced products and services.

We continue to adhere to the same principles and standards that have underpinned our success for the past several decades. We work closely with our customers to ensure that their requirements are met throughout the conceptualization, design, certification and production phases of our product lifecycle. Our customers place rigorous requirements on our capabilities and systems... and we deliver!

We support commercial, military, regional and business aircraft operators throughout the world. Our key customers comprise Airbus, Boeing, Bombardier and Gulfstream as well as a wide range of operators including the Canadian and U.S. governments.

UTC Aerospace Systems-Landing Systems is a world leader in the design, development, manufacture and support of landing gear assemblies and integrated landing systems. Our experience with structural design and analysis, qualification testing, materials processing, manufacturing, system integration and product support is acknowledged by aircraft manufacturers and operators around the world. In order to conduct the critical strength and performance evaluation tests that landing gear must undergo, we have built the largest, most advanced test facilities in the industry, right here in Canada. Our overall capabilities are currently being put to the test with the ongoing development of the main landing gear for the new Airbus A350-1000 widebody jetliner.



The level and diversity of our experience is a key attribute in an industry where aircraft systems absolutely have to work, all the time! After all, there is a lot riding on our landing gear... and we've staked our reputation on it.

We currently provide the landing gear for many of Boeing's aircraft, including the 737, 767 and 777 families of commercial airliners along with the new 747-8 model. Additionally, we also produce the massive body and wing landing gears for the Airbus A380 super jumbo aircraft.



And we don't stop with large commercial aircraft. We also provide equipment for regional and business aircraft including landing gear for Gulfstream's G450, G550 and G650 large cabin business jets as well as completely integrated landing systems for Bombardier's CRJ700/900/1000 and Dash 8 Q400 regional aircraft.

In conjunction with our landing gear capabilities, we are also able to provide fully integrated landing systems comprising all ATA Chapter 32 components that include cockpit controls, electronic control units, braking systems, extension and retraction equipment, proximity sensing systems, and steering control systems.

Beyond our landing system products, we also manufacture and support actuation and flight control equipment. Some of our ongoing programs include the primary and secondary controls for Bombardier's CRJ700/900/1000 regional jets and the fly-by-wire flap actuation systems for the C-17 military airlifter. Support for such products is provided through the actuation/flight control repair and overhaul facilities at our Oakville site.

And we support what we sell! Customer support at UTC Aerospace Systems means spares provisioning, technical support, repair and overhaul services, warranty support, technical publications as well as on-site field service support. Complementing our aftermarket group in Oakville is our Landing Systems Services facility in Burlington, Ontario.

Representing a full service, state-of-the-art MRO shop, its capabilities include repair and overhaul for a wide variety of commercial and military aircraft landing gear. We have all of the equipment, resources and engineering support necessary to complete a full range of maintenance, repair and overhaul activities to maintain the highest level of product integrity throughout its life cycle. Our Burlington MRO facility is fully certified by Transport Canada and meets the requirements of the FAA and European airworthiness authorities.



UTC Aerospace Systems – Landing Systems

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CORE BUSINESS: ISO/IEC 17025 & ANSI/NCSL Z540 ACCREDITED CALIBRATIONS
VACS Ltd. (Verification And Calibration Services) has been providing onsite calibrations across Canada since 1980. Obtained ISO Guide 25 Accreditation in 1993 and then followed with ISO 17025 Accreditation in 1999.

"Bringing The Standards to You" has been our motto for the past 35 years. As onsite accredited calibrations have definite advantages, we have Calibration Metrologists available from coast to coast with the standards to cover a large scope of accredited calibrations on-site (FORCE, TORQUE, HARDNESS, PRESSURE, WEIGHTS & BALANCES, TEMPERATURE & HUMIDITY, DIMENSIONAL AND ELECTRICAL).

When the uncertainty of calibration required is lower than what can be offered onsite, then our ISO 17025 accredited calibration facility in Brampton Ontario will get the calibration completed quickly and cost effectively with our primary calibration standards.

Our Calibration Metrologists are dedicated professionals with many years of experience and formal training in testing and calibration in the Aerospace Industry.

Technical Staff background: Aerospace Engineering, Physics, Metallurgy, Software Development, Electronics, Hydraulics & Pneumatics.

ISO 17025 ACCREDITED SCOPE OF CALIBRATION INCLUDES:

FORCE: ASTM E4, ASTM E74

Force Testing machines, Servo-hydraulic Fatigue Testing machines, load cells, Aircraft Platform Scales and Tensiometers, etc.

TORQUE: ASTM E2428, ASTM E2624

Torque Testing machines, Torque transducers, Torque calibrators and Torque wrenches

HARDNESS: ASTM E18, ASTM E10, ASTM 384

Rockwell testers, Brinell testers, Macro & Micro Vickers Hardness testers, Durometers

PRESSURE & VACUUM:

Deadweight Pressure Testers, Calibrators, Transducers, Gauges, Switches, Manometers etc.

MASS (WEIGHTS): Class 1 to Class F

Calibration weight sets, Individual weights, Deadweight pressure testers, etc.

TEMPERATURE & HUMIDITY:

RTD, TC, Thermistor, LIG Thermometers, Fog Test Chambers, Baths, Ovens, Dry Blocks, Uniformity mapping, IR Calibrators & IR Guns, Environmental Chambers, Data loggers, etc.

DIMENSIONAL:

Gauge Blocks, Micrometers, Calipers, Protractors, Extensometers, Deflectometers, LVDTs, Measuring Microscopes, Optical Comparators, etc.

ELECTRICAL:

Multimeters, Clamp-On Meters, Process Calibrators, Multi-Function Calibrators, Sensor Instrumentation, Load Cell Simulators, etc.

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Drtian Meta
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Tel: (905) 840-7651



VAC Developments Limited was founded in 1979 to provide precision machining, sheet metal and welding services to the aerospace industry. Our operations have expanded over more than three decades and our new 115,000 sq. ft. facility is located in Oakville, Ontario, approximately 15 minutes from Pearson International Airport.

VAC specializes in the precision fabrication of various aerospace and defence products. Utilizing modern CNC, sheet metal and machining equipment, combined with highly experienced personnel, VAC produces top quality parts manufactured to meet/exceed stringent tolerances. Our in-house certified welding department provides close control of another critical process contributing to the high production speed and accuracy to which VAC customers have become accustomed. Additional offerings, such as available chem-film and passivation capabilities, also allow for competitive turnaround times on multiple process items accommodating various customer requirements.

As a major supplier to a variety of defence and aerospace related companies, VAC has acquired a strict quality control process designed to meet and often surpass contractual quality requirements. Compliance to mandatory requirements of the following specifications is also maintained:

- ISO 9001:2008
- AS9100 Rev C
- Nadcap certified aerospace welding and brazing (per AWS D17.1 and MIL-STD-2219)

VAC Developments provides a variety of capabilities in a controlled environment and combines this with excellent service in order to secure the satisfaction of current and future customers. More than 30 years of precision fabrication experience has allowed VAC to establish in the aerospace industry a customer base that is continually expanding through marketing initiatives and, most of all, word-of-mouth praise from our many satisfied customers.

VAC Developments Limited

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Vector Aerospace is a global leader in aerospace maintenance, repair and overhaul (MRO), providing responsive, quality support for turbine engines, helicopters, fixed-wing aircraft and components. A truly international company, we employ approximately 2,700 people in 21 locations across Canada, the United States, the United Kingdom, France, South Africa, Kenya, Australia and Singapore.

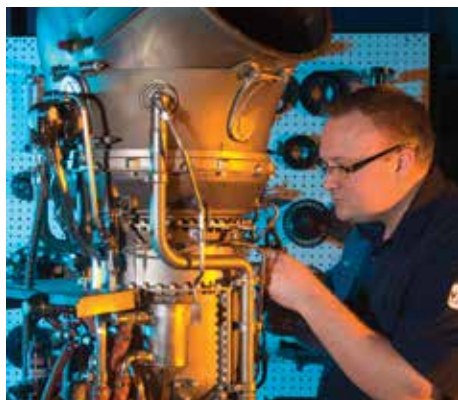
Based on our OEM and regulatory approvals, including Transport Canada, the Federal Aviation Administration, the European Aviation Safety Agency, the Canadian Department of National Defence and many others, Vector offers comprehensive MRO support for various engines, dynamic components, avionics (including glass cockpit and Supplemental Type Certificate development), airframes and structures, including in-house engine and dynamic components test capability.

With over 1.7 million sq. ft. (160,000 sq. m.) of hangar and shop floor space, we are proud to support 3,000 customers worldwide. Our customer base includes regional airlines, commercial transportation providers, corporate flight departments, private operators, government agencies and defense departments.

We are continuing to expand our international presence to meet the local needs of operators, and have added a new facility in Singapore in 2015.

Our highly trained technicians provide a broad range of world-class MRO services, covering turbine engines (turbofans, turboprops and turboshafts), dynamic components (including gearboxes, driveshafts and rotorheads), structures (including cabins, tailbooms and pylons), composites and avionics (including glass cockpits and airframe rewiring), fuel systems and components. We are also an acclaimed leader in conversions, modifications and refurbishments for helicopters and fixed-wing aircraft, offering a comprehensive portfolio of in-house supplemental type certificates (STCs).

In addition to traditional MRO support, our capabilities also extend to innovative mission-focused services such as helicopter leasing (including the Airbus AS332L Super Puma heavy twin), fleet management, by-the-hour support, rental engines and training. Our worldwide footprint assures operators of responsive support from strategically located service centers around the world, backed up by highly experienced technical representatives.



Vector Aerospace holds approvals from some of the world's leading companies, including General Electric, Pratt & Whitney Canada, Rolls-Royce, Turbomeca, AgustaWestland, Airbus, Boeing, Sikorsky, Rockwell Collins, Sagem Avionics, and many other well-known suppliers.

Our success in the marketplace has been driven by our overarching commitment to providing the highest levels of customer service, and all of our employees are focused on offering best-in-class quality support, with the fastest turn-around times possible, and at a competitive cost.

For more information on locations and capabilities, visit: www.vectoraerospace.com

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VIKING⁺

VERSATILITY THAT WORKS

Viking is a first tier Original Equipment Manufacturer of seven legacy de Havilland Aircraft:

- DHC-1 Chipmunk
- DHC-2 Beaver
- DHC-3 Otter
- DHC-4 Caribou
- DHC-5 Buffalo
- DHC-6 Twin Otter
- DHC-7 Dash 7

Viking provides a complete range of services for the Beaver, Otter, Twin Otter and Dash 7 aircraft. Services Include: Spares Sales and Customer Service, Technical Support, Engineering Services, Aircraft Maintenance, Repair, Overhaul and Conversions, Aircraft Sales and Leasing and AOG 24/7.

Twin Otter SERIES 400

New Aircraft: In April of 2007, Viking launched production of the all new DHC-6 Series 400 Twin Otter, and, in 2010, received Transport Canada type approval. To date, over 70 new Series 400 Twin Otter aircraft have been delivered and are in operation in 23 countries worldwide. In 2012, Viking was named Exporter of the Year and received the Premier's Award for Job Creation at the BC Export Awards, hosted by the Canadian Manufacturers and Exporters Association.

Spares Support: Our Customer Service Representatives are committed to offering excellence in spares support. Their high level of professionalism is backed by an entire team of dedicated staff who are committed to having the right part at the right time.



Technical Support: Whether it is a maintenance requirement clarification, confirmation of a part number, or an in-service difficulty, our highly experienced Technical Support Representatives are here to help.

Engineering Support: Critical to meeting the responsibilities as a type certificate holder is our experienced and highly skilled engineering team. From complex repairs to material and process changes brought about by technological advances in aerospace to the revision of technical manuals, Viking is committed to meeting the regulatory and safety requirements of the fleet.

Maintenance, Repair, Overhaul and Conversions: This division can provide aircraft repair, aircraft modifications, inspection services, airframe overhaul, engineering and certification services, avionics, custom or standard interiors, engine installations, and piston to turbine conversions.

Viking Air Limited

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evan.mccorry@vikingair.com



Identifying and recruiting the right people is one of the main factors that determines the growth potential and competitiveness of an organization. Our aerospace clients in North America and abroad greatly rely on our recruitment expertise and knowledge of the aerospace industry in delivering the best talent as they focus on accelerating production, cutting costs and revamping product lineups.

Our commitment to our clients and partners is to deliver the best talent available on the market in a timely manner using the most advanced search and selection tools and methods.

We know the industry we work in and always find the best talent through our extensive network of candidates developed over the years. Our professional network provides us with access to an exceptional talent pool and enables us to deliver you the best professionals that perfectly fit your industry demands.

We deploy a very flexible, customized recruitment process to ensure complete client satisfaction. We do not stop until we find a solution that meets our client's expectations.

Depending on the business needs of our clients we offer various flexible staffing options, such as contract, contract-to-hire and direct placement.

Vtalent Solutions has all the required resources to provide our clients with the best contract or permanent staff available in the market. In cases where the local candidate pool is scarce, we find solutions to supply you the best workforce from alternative sources.

POSITIONS FILLED:

- Design Engineers
- Process/Industrial Engineers, Cost Control Specialists
- Project Managers
- Aircraft Assemblers: Structures/Avionics/Systems
- Quality Assurance/Quality Control
- Procurement, Supply Chain Management, Customer Support
- Skilled Trades: Welders, Electricians, Millwrights
- Production Supervisors
- CNC Operators/Programmers
- Material/Metal Testing
- Environmental Testing
- Product Development
- Developers/Programmers
- Business Analysts
- Pre-Sales/Technical Sales

Vtalent Solutions

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www.vtalentsolutions.net

Kate Borzenkova
Director, Talent Acquisition

Tel: (647) 648-8877
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Wainbee supplies components and assemblies related to automation and motion control. Our technologies are primarily pneumatics, hydraulics, machining, electromechanics, electronics and filtration. Our projects include flight simulators, aircraft testing and repair equipment, mobile maintenance equipment, lift equipment and conveying equipment.

With engineers and technicians from coast-to-coast, we offer complete range of value-added services from logistic management to equipment repair and services. All of our regional main branches are authorized warranty repair centres for our key suppliers. Servo and proportional valves are repaired, calibrated and tested on a production quality servo analyzer work station and returned with servo reports and plots.

We have the engineering expertise, product knowledge and field experience to custom manufacture a wide range of engineered systems and subassemblies such as hydraulic power units, filtration systems, pneumatic and electronic control panels to suit your industrial requirements.

With our broad product offering from best-in-class suppliers, national infrastructure and engineering expertise, Wainbee is your best Canadian engineering service provider.



Wainbee

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President

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Marketing@wainbee.com



Enhancing your business through adjacent markets and strategic solutions. WaVv specializes in business expansion, improvement and development for clients in the Aerospace, Defence, Security and Oil & Gas sectors.

Comprehensive and custom solutions to meet your business needs is WaVv's expertise. The firm provides professional advice to companies expanding their reach within their current industry or into the expansion of new market ventures. WaVv provides guidance in the areas of facilitation, analysis, and strategic direction spanning across multiple industries and regions.

We are a team of proven business practitioners that have formed a company to meet a need in the marketplace for strategic outsourced business development. With relevant experience in Aerospace, Defence, Security and the Oil and Gas sectors, our team propels businesses forward by specializing in initiatives that help companies develop and diversify.

Enhanced Business Solutions Include:

- Adjacent Market Development
- Business Development Strategy
- Organization of Private Trade Mission
- Flow-Through Audit Preparation
- Equity Financings, Merger, Acquisitions and Partnerships, Invest & License
- Public Relations
- Business Event Services
- Trade Show Reconnaissance
- Corporate Expansion to new Jurisdictions
- Company Branding

WaVv Enhanced Business Development Solutions

206, 1615 - 10 Avenue SW
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Kimberley Van Vliet
President & CEO

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Wesgar Aerospace, incorporated in 2012, is the AS9100C certified subsidiary of Wesgar Inc. which was incorporated in 1965. With a combined workforce of 170+ employees, and a facility with over 75,000 sq. ft. Wesgar has the skills and capabilities to accommodate a wide range of custom, build-to-print requirements, either as production or as a unique project. Wesgar Inc. is ISO 9001 certified and has been since 1995, serving OEMs and sub-tier companies, serving OEM's, that require a capable manufacturer to deliver on their unique requirements.

Wesgar currently serves a range of Global 100, Fortune 500, companies, along with market leaders, and start-ups.

Our background in-house capabilities can be customized to the opportunities that the aviation market demands. Current capabilities include:

- Punching
- Laser Cutting
- Automated Deburring
- Brake Forming
- Roll Forming
- Hardware Insertion
- MIG/TIG Manual and Robotic Welding
- Spot Welding – Carbon, Stainless, Aluminum
- Surface Finishing – Graining and Paint Preparation
- Media Blasting
- Thermal Spray Coating
- RoHS Compliant Chromating
- Non-Chrome Conversion Coating
- Batch/Line Powder Coating
- CARC – Wet and Powder
- Silkscreening
- Assembly – Basic to Medium Complex Electromechanical
- Burn-in and Testing

Over the past 50 years, Wesgar has been recognized for its technical capabilities, capacity to expand to meet the demand in manufacturing for customer needs, robust processes, ability to execute "on time" orders, and strong core values.



Wesgar Aerospace

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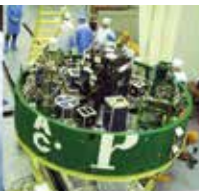
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Image Processing



RF Signal Processing



Payload Interfaces
& Networking



Sensor Processing

HIGH PERFORMANCE PROCESSING FOR AVIONICS

Xiphos provides unique processing solutions, typically integrated into avionics packages for space and unmanned aerial vehicles (UAV) markets.

KEY CHARACTERISTICS:

Proven. Three generations of Xiphos products have been flying in space for almost 10 years.

Performance. Xiphos processors have been benchmarked favourably against GHz-class commercial processors; they do that by “hybridizing” software and logic implementations of our customers’ computing-intensive algorithms, such as those needed for complex image or signal processing.

Optimized. Xiphos products are optimized for size, weight and power. Our signature product, the Q-Card series of single board computers, is designed to be the size of a business card, weigh less than 20 g, and consume less than 2W of power.

Value. Xiphos uses industrial-grade components in a fault-tolerant architecture intended for use in harsh environments, such as those susceptible to pressure, vibration, radiation or temperature extremes – the result is robust performance at a fraction of the cost of traditional space-grade solutions.

Xiphos’ customers, both past and present, include most major defence firms, most major space agencies, most major satellite telecommunications companies and a variety of national governments in the industrialized and third world.

Our experience in space markets ranges from camera systems on a space station, to state-of-the-art payload processing of government surveillance data, to control of autonomous drilling and mineral sampling equipment.

Xiphos Systems Corporation

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Stephane Germain Vice President

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Partner Profiles Profils des partenaires



Photo courtesy of Discovery Air Inc.



CCC

Canadian Commercial Corporation
Corporation Commerciale Canadienne



As the defence and security export sales organization of the Government of Canada, the Canadian Commercial Corporation (CCC) helps Canadian companies access government procurement markets internationally through government-to-government contracts. For over 65 years, CCC has helped Canadian exporters in the aerospace, defence and security sectors successfully secure contracts with governments of other nations. In 2013-14, CCC worked with 183 Canadian companies and was active in over 57 countries.

Differentiate your offer to a foreign government buyer with the CCC.

Fast and Simple: Expedited acquisition on a government-to-government basis.

Reduced Acquisition Risk: Government of Canada guarantee for your customer that the contract will be performed according to the agreed terms and conditions.

Enhanced Government Relationship: Active project monitoring and reinforcement of the diplomatic and defence and security relationship with CCC as prime contractor.

If you suspect that your "Win Probability" for an international opportunity would be enhanced through a government-to-government contract, please contact CCC.

Canadian Commercial Corporation

50 O'Connor Street, 11th Floor
Ottawa, ON K1A 0S6
www.ccc.ca

Stan Jacobson
Director, Global Defence Sales

Tel: (613) 992-3528
sjacobson@ccc.ca



The **Canadian Council for Aviation & Aerospace (CCAA)** is the national council that engages employers, educators, industry associations, and government in its work on implementing skills development programs and addressing the demographic needs of the aviation and aerospace industry.

WHAT WE DO FOR THE INDUSTRY

CCAA works with industry to implement **skills development systems**. Initiatives include;

- CCAA, in partnership with the Aerospace Industries Association of Canada, (AIAC), provides solutions which are supported by federal policy on **people and skills in aviation and aerospace manufacturing**.
- CCAA, with Federal government funding, is conducting a **labour market information** study for our industry. The knowledge gained with timely, credible information will be used by industry and educators to identify immediate worker and skill needs, to support accurate forecasting and training investments, and to guide career choices.
- For the future of the industry, CCAA has developed a high school aviation and aerospace orientation STEM course to **attract and equip new workers** with the right attitudes and the right skills for the industry.

WHAT WE DO FOR A COMPANY

- Most importantly, a CCAA skills development system improves efficiency, and provides companies with **evidence of workers' and management competencies**, which is especially useful for third party audits, proof of compliance, insurance investigations, and contracts with customers or suppliers.
- Transport Canada Advisory Circular (AC) 573-003, lists **CCAA standards for skills and competencies that are recognized by Transport Canada Civil Aviation (TCCA)** for technical personnel working in Approved Maintenance Organizations (AMOs).
- Applying the appropriate **Competency Standards** to given occupations (trades) within the organization. CCAA has developed 30 Standards with Specific Logbooks to support aviation and aerospace training.

- Training and certifying company nominated Evaluators for an **employee skills development** program based on validated national standards.
- Reinforces a Company's professional profile as **safety, security and environmental concerns are addressed** in all skills development programs.

WHAT WE DO FOR PEOPLE

- Provides skilled workers with nationally recognized **professional certification**.
- Manages the **Career Focus wage subsidy program** for entry level post-secondary graduates, to increase the supply of highly qualified workers, on behalf of Services Canada.
- Provides **upskilling courses for personnel responsible for operational processes** in the area of Quality Assurance, Safety Management Systems, Human Factors, CARs, and Regulatory Compliance.

Upskilling courses can be delivered in-company or accessed on-line, and are eligible expenses under the **Canada Jobs Grant** program. Corporate partners can also licence these tools for use in-house.

WHAT CAN WE DO FOR YOU?

For information on national standard skills development and on upskilling options for the aviation and aerospace industry, please contact CCAA.

Canadian Council for Aviation & Aerospace

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et de l'aérospatiale
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Glenn Priestley Director, Partnerships, Certification, and Skills Development

Tel: (613) 866-2374



WHO WE ARE

Export Development Canada is Canada's export credit agency. EDC offers innovative commercial solutions to help Canadian exporters and investors expand their international business. EDC's knowledge and partnerships are used by more than 8,300 Canadian companies and their global customers in up to 200 markets worldwide each year.

Our support to the sector has continued to grow over the past 20 years. In 2014, EDC support to the Canadian aerospace sector exceeded \$5 billion. Our support to the sector has continued to grow over the past 20 years. At the end of 2014, Aerospace loan assets in EDC's loan portfolio exceeded \$9 billion.

EDC SUPPORT FOR THE AEROSPACE SECTOR

The support that EDC provides to the sector includes the following:

FINANCING:

On average, EDC facilitates between \$2.5 and \$3.5 billion in aerospace financing on a yearly basis. The main use of EDC financing is to foreign purchasers to support export sales of aircraft, engines, simulators and parts.

ALTERNATIVE FINANCING SOLUTIONS:

In addition to direct financing, EDC also provides a number of alternative financing solutions to help Canada's aerospace exporters compete internationally, including guarantees, lines of credit, equipment financing and note purchase facilities.

ACCOUNTS RECEIVABLES INSURANCE:

EDC also provides a significant amount of support to the aerospace sector through its Accounts Receivables Insurance (ARI) program. ARI insures a company's receivables, providing certainty that the money owed to them by their customers will be converted into cash by their due date. Given that receivables are often a considerable asset on a company's balance sheet, EDC's ARI makes it easier for a financial institution to lend against that asset.



BONDING:

More and more buyers are asking for bonds to ensure suppliers can meet their obligations. EDC offers a suite of products that can work with your bank to free up your working capital and ensure you are protected.

EDC is a Crown corporation wholly owned by the Government of Canada. The corporation is financially self-sustaining and operates on commercial principles.

Export Development Canada

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Today's global marketplace represents a world of opportunity for aerospace and defence (A&D) companies. Successful aerospace and defence entities are those that continuously focus upon the variety of marketplace and technological trends that transform the sector. And along with this opportunity comes an evolving set of challenges including:

- The growing need to join with customers and suppliers to better reduce development costs and share risks
- The complexity of identifying and divesting of non-core assets
- The drive for greater visibility deeper into the supply chain
- An ongoing effort to identify and capitalize on growth opportunities by leveraging existing technologies into aligned industries or regions
- How best to maximize R&D investments to respond to changing customer demands



KPMG is committed to helping public and private A&D organizations plan for the future. Our partners and professionals provide deep technical and industry experience including actionable operational, financial and regulatory insights that help you cut through complexity. We work closely with you to help you navigate the evolving opportunities and challenges of global operations and value chains and to help you unlock value for your organization, customers and stakeholders.

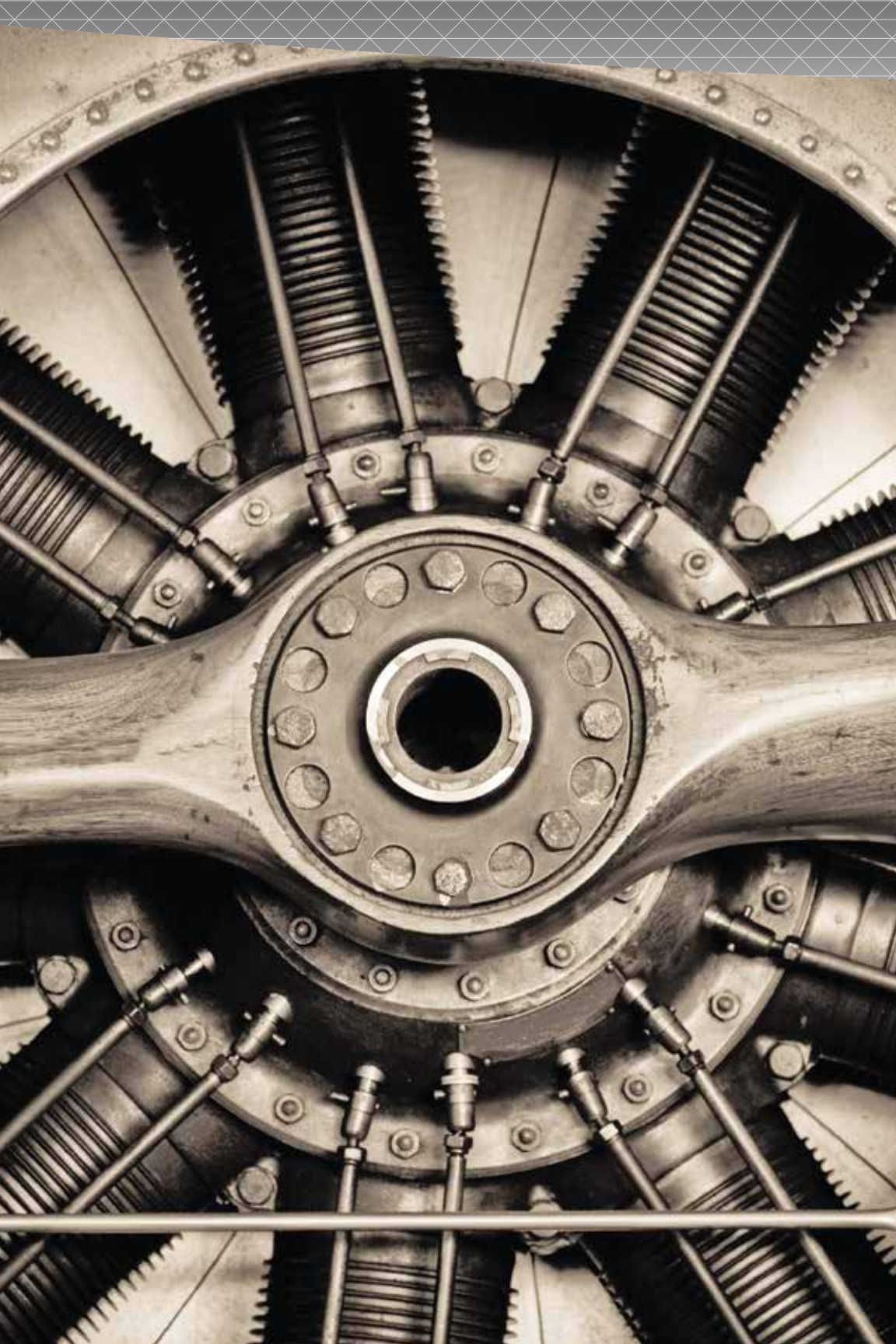


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A technician wearing a white lab coat and safety glasses is operating a large industrial machine, likely a lathe or mill. The machine is red and black, with the brand name 'OKK' visible on its side. The technician is adjusting a component on the machine's bed. The background shows a factory environment with various equipment and structures. The image is oriented vertically on the page.

A technician wearing a white lab coat and safety glasses is operating a large industrial machine, likely a lathe or mill. The machine is red and black, with the brand name 'OKK' visible on its side. The technician is adjusting a component on the machine's bed. The background shows a factory environment with various equipment and structures. The image is part of a document titled 'Provincial Member Profiles' for the 'Photo courtesy of Magellan Aerospace'.



WWW.ADSE.CA

2015 **AEROSPACE, DEFENCE & SECURITY** EXPO
AUGUST 6TH & 7TH, 2015

DON'T MISS THIS UNIQUE EVENT!

You will have the opportunity to network, engage in B2B meetings, explore the success factors of international business, learn about industry trends, and pursue new business opportunities.

This event will provide exposure and connections between industry SMEs, major manufacturers, government and end users in the aerospace, defence and security sectors.

**REGISTER
TODAY AT**
WWW.ADSE.CA

**Fraser Valley
Trade & Exhibition
Centre (TRADEX),
Abbotsford BC**

PRESENTING PARTNERS:



PRODUCED BY:





Aviation Alberta is a dynamic western Canadian regional association that works closely with its members, industry partners, government and military agencies to help further and address the interests of those involved in the; Aviation, Aerospace, Airports & UVS (unmanned vehicle systems) industry sectors.

With over 250 members representing virtually every aspect of the aviation aerospace and airport business, Aviation Alberta is unique in Canada. This integrated association approach represents a collective "strength" in world-class technologies, products, services and capabilities.

Alberta offers everything from: commercial & military aircraft repair, overhaul, design modification and manufacturing, to unmanned vehicle technology, advanced electronics communications, to corporate & commercial aviation, flying training and more. Alberta has a strong foothold in aerospace and defence, an industry that contributes \$1.3 billion in revenue to the Alberta economy, is home to 5,000 jobs exclusive of the airlines and airports, and exports 40% of its products and services.

Important Association Activities include:

- Annual Conferences & Trade Shows
- Supplier Development Programs
- Trade Missions (incoming & outgoing)
- Comprehensive online industry databases & website links
- Facilitation of Strategic Alliances & Partnerships
- Seminars & Workshops
- Identifying Market Trends in Aviation & Aerospace
- Air Facility Map Publications
- Aviation Scholarship Program for Students & Air Cadets
- Education and Training Programs
- Human Resource Development
- Industry and Government Relations
- Aviation Heritage

VISION

To be a catalyst for industry growth and the recognized voice of aerospace, airport and aviation interests in Alberta.

MISSION

Aviation Alberta will serve its membership and promote the growth and prosperity of aerospace, airports and aviation in Alberta through collaboration, communication, training, education, research and advocacy.

GOALS

1. To promote a safe and financially sustainable aerospace, airport and aviation industry in Alberta.
2. To advise and assist government in understanding the requirements of the aerospace, airport and aviation industry in Alberta.
3. To advocate with government on funding, policies, regulations and taxes.
4. To be a focal point for the collection and distribution of information that will promote the growth and development of the aerospace, airport and aviation industry.
5. To encourage the mutual awareness of the capabilities and responsibilities of association members.
6. To provide training, education and support for the improvement of aerospace, airports and aviation in Alberta.

Aviation Alberta Association

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Launched in December 2013, AIAC Pacific works to promote and develop aerospace business in British Columbia by acting as an advocate for the industry, facilitating networking and communication, and identifying opportunities for collaboration, research and business development. As a regional office of the Aerospace Industries Association of Canada, AIAC Pacific links B.C. and western Canadian aerospace companies to national and international programs, and leverages AIAC's established network to pursue opportunities across Canada and around the world.

PROVINCIAL SUPPORT FOR AEROSPACE IN B.C.

In April 2014, the Province of B.C. announced \$1 million in funding support for the B.C. aerospace industry through AIAC Pacific – the first installment of a commitment of \$5 million over five years to unify, increase competitiveness and accelerate the growth of the industry in B.C. In February 2015, the Province re-affirmed its support for aerospace, highlighting the sector's role in building the provincial economy and announcing its intention to move forward with its aerospace funding commitment to continue expanding markets and attracting more global business and investment to B.C.

KEY B.C. PRIORITIES

AIAC's partnership with the Province strengthens the link between B.C. companies and the global aerospace industry. Key priorities include:

- Increasing communication and collaboration among B.C. aerospace industry partners.
- Supporting the development of supply chain capabilities of B.C. companies to work with OEM and Tier 1 suppliers.
- Enhancing the technical capabilities of B.C. companies to increase work with OEM and Tier 1 customers.
- Enhancing the participation of B.C. companies in federal programs that support product technology and manufacturing innovation.
- Developing a strategic approach to federal defence procurement built around B.C.'s Key Industrial Capabilities.
- Opening and expanding markets for B.C. goods and services, particularly in Asia, Europe and the U.S.

In support of these objectives and others, AIAC Pacific continues to lead the Aerospace Defence and Security Expo (ADSE) at the Abbotsford International Airshow, which in 2014 attracted over 400 delegates. AIAC Pacific also works to advance research and technology development in the west by serving as CARIC's regional office for B.C. and Alberta.

THE AEROSPACE INDUSTRY IN B.C.

In British Columbia, the aerospace industry:

- is made up of more than 170 small, medium and large aerospace and related companies.
- directly employs 8,300 British Columbians.
- generates \$2.4 billion in revenues and \$1.3 billion in GDP annually.
- is the third-largest aerospace sector in Canada, after Quebec and Ontario.

Geographic advantage:

- B.C. is uniquely positioned to capitalize on global market opportunities, particularly with its proximity to Boeing and the largest aerospace cluster in the world situated in Washington State.

Diverse capabilities:

- B.C. is part of a strong Western Canadian aerospace industry which boasts a skilled workforce and proven expertise and leadership in a range of aerospace industry sectors including:
 - aircraft manufacturing
 - MRO & In-Service Support
 - Special mission aircraft
 - composites manufacturing, R&D and repairs
 - unmanned vehicle systems
 - environmental testing, including engines
 - satellite design, manufacturing, communications and remote sensing
 - training and simulation.

AIAC Pacific

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Jay Teichroeb Vice President

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ADHoc Services Co. Ltd.

For 15 years, ADHoc Services has provided **business development, marketing, research and management services** to industry, government and trade associations.

Built on a 50-year career with successful aerospace MNE and SME leaders, having nurtured and maintained senior-level industry and government contacts, ADHoc provides practical leadership and guidance, specifically related to...

- Aerostructures, interiors and propulsion systems
- Proprietary products and services
- Merger and acquisition opportunities
- Corporate branding/image campaigns
- Commercial and Defence markets
- Boutique investment bank financing

Results have been produced for public and private companies, with national and international perspectives about design, manufacture, assembly and MRO environments at all tier levels – in **sales and marketing, contract administration, procurement, materials/ logistics and IT** disciplines.

These activities encompass strategic planning; company products and services representation; managing corporate promotions, trade shows and networking events; supply chain management; and establishing collaborative alliances.

Engagements are entirely negotiable and can be made on a retainer, contract or project basis, and always with a smile and a handshake.

1248 Hunter Road, Suite 305
Delta, BC V4L 1Y8
www.adhoc-services.ca

Dale Hunt
President

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hunts@dccnet.com

Advanced Integration Technology (AIT)

AIT is the leading provider of integrated factory automation solutions and complex, high-precision tooling for the aerospace industry.

Since 1992, AIT has installed hundreds of systems for automated assembly, drilling, and alignment of aircraft and sub-assemblies, working with OEMs such as Boeing, Lockheed Martin, Bombardier, COMAC, and Airbus as well as their Tier 1 suppliers. With more than 600 employees and 8 locations worldwide, we:

- Custom design, manufacture, and install systems to reduce the cost and risk in manufacturing while improving worker safety and efficiency
- Deliver simple ground support equipment to complex, large-scale factory integration programs for existing and new programs
- Provide life cycle support including metrology services to ensure systems perform and adapt to changing operational requirements

In 2014, AIT bolstered its offerings with two additional facilities that currently supply aerospace components and services for the V-22,

F-35, Blackhawk, G550, C-17, and B787. Now AIT can support not only customers' manufacturing infrastructure but also their subcontracted worksopes.

AIT holds ISO 9001:2008 and AS9100 certifications as well as the Controlled Goods Registration Program (CGRP) by the Government of Canada.

AIT holds a Gold and Silver Awards with Boeing and Recognitions of Excellence from Lockheed Martin.

5690-268th Street
Langley, BC V4W 3X4
www.aint.com

Brad Audette
Director of Sales

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Affinity Manufacturing Ltd.

Affinity Manufacturing Ltd. is a well-equipped precision CNC machine shop located in beautiful British Columbia, providing prototypes, production runs, sub-assemblies, precision jigs & fixtures, and tight tolerance complex machined parts.

CORE COMPETENCIES:

Machining:

- Ferrous & non-ferrous metals; titanium and exotics
- Conventional & exotic plastics; ceramics; graphite
- Carbon Fibre & composites

Light fabrication

Turnkey projects: Assemblies, finishing operations, surface coatings, treatments

FACILITY:

- Machining & Turning Centres including 5-axis & live tools
- Conventional machines, grinders, saws etc.

INDUSTRIES SERVED:

- Aerospace
- Medical
- Electronics
- Alternate energy
- Fuel cells
- Imaging
- Automation
- R & D Institutions

QUALITY:

- ISO 9001-2008 certified
- Working towards Canadian Controlled Goods Program & AS9100
- Experienced engineers, technologists and machinists
- Dozens of satisfied customers.

#103-13045 84Th Avenue
Surrey, BC V3W 1B3
www.machining.ca

Sunit Bector President

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Alpine Aerotech LP. (AAL)

Alpine Aerotech LP. (AAL) is a Bell Customer Facility approved by Bell Helicopter to perform Field Maintenance, Component Overhaul and Cabin/Tail boom fixture repairs for the 205/206 series/212/ 407 and 412 model helicopters. AAL has been rated a Platinum level CSF in the Bell service network for the years, 2009 to 2015.

AAL has developed several operational and maintenance enhancing STC's, a number of which are now standard in the B412EP production helicopter.

In addition to the above services, AAL provides full strip and paint services, radio/avionic installations/ bench repairs and extensive heavy maintenance and inspection services.

AAL is completely focused on the quest of excellence from our employees and suppliers in the pursuit of our single most important asset—our customer.

1260 Industrial Road
West Kelowna, BC V1Z 1G5
www.alpineaerotech.com

Jeff Denomme President

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admin@alpineaerotech.com

Avcorp Industries Inc.

Avcorp is one of North America's primary suppliers of system integrated metallic, composite and hybrid structural components and assemblies. Avcorp has over 60 years of experience producing major structures for OEMs and other Tier 1s suppliers.

Avcorp has been recognized for performance excellence in quality, delivery and supplier relationship management by global OEMs including BAE Systems, Boeing and Bombardier. With over 350 skilled aerospace technicians and engineering and support staff, Avcorp offers vertically-integrated capabilities.

Avcorp focuses on structural wing and empennage components (including fully integrated vertical and horizontal stabilizers). Examples of our product experience:

- Boeing 737NG Wheel-well Fairings, Crew Door Wing Tip Panels
- Lockheed Martin F-35 Outboard Wing
- Bombardier CRJ200/700, CL604, CL605, CL-850, Dash 8 Horizontal Stabilizers & Elevators
- Bombardier CRJ700 Vertical Stabilizers and Rudders
- Boeing CH47 Chinook Nose Enclosure and Tunnel Covers

- Boeing Attendant Partition Panels, KC135 Ruddevator, 767 Strut Panels
- Boeing/APB 757 Winglet Adapter Assembly
- Honda Aircraft HA-420 Wing Development

Capabilities Include:

- Engineering Design and Certification
- Tool Design/Build
- Product Prototyping, Engineering and Manufacturing Capabilities
- Major Structural Assembly
- System Installation and Testing
- Metal Bond, 4-5-Axis Machining
- Composites Manufacturing
- Canadian Controlled Goods/ITAR Compliance

10025 River Way
Delta, BC V4G 1M7
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Steven J. Archer Vice President Asia Government Relations

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sarcher@avcorp.com

DGI Supply – A DoALL Company

DGI Supply, a DoALL Company since 1927, is a national leader in providing industrial distribution solutions to the aerospace industry.

As a leading partner with many key companies involved in the manufacture and maintenance of commercial and military aircraft, DGI Supply recognizes that in aviation there is no room for error and the highest quality products to produce finished components are always required.

With strategic vendor partnerships in all facets of industrial supply distribution, our main objective is to maximize customer productivity, provide technical support, on-time delivery, and guaranteed cost savings with our Automated Procurement Solutions.

DGI Supply is a proud recipient of the "Value-Added Partner American Eagle Award" from the ISA in 2010 and 2012 for providing exceptional documented cost savings and productivity improvements for customers.

Our focus on attracting technical people and providing them with the industry's most powerful and effective tooling is supported by the most current technology and is essential to operating in a market that demands outstanding performance from their suppliers. Our goal is to be known as a preferred supplier to the world's most demanding aerospace corporations, and we recognize what it takes to meet that goal.

115-7391 Vantage Way
Delta, BC V4G 1C9
www.dgisupply.com

Rino Pannozzo Regional Sales Manager

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MTU Maintenance Canada

MTU Maintenance Canada, the first MTU affiliate to be established outside Germany, is the North American member of MTU Maintenance network of companies, the largest independent provider of commercial and military engine maintenance services worldwide.

Based in Richmond, British Columbia, the company operates a shop in the immediate vicinity of Vancouver's international airport and holds all OEM licenses required for the repair and overhaul of GE CF6-50 and CFMI CFM56-3 engines. MTU Maintenance Canada has developed major engine accessory capabilities with the creation of a centre of excellence within the MTU Maintenance network.

The company also offers its customers so-called Line Replaceable Unit (LRU) management services.

6020 Russ Baker Way
Richmond, BC V7B1B4
www.mtu.de

Daniel Watson
**Vice President &
Chief Commercial Officer**

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R.J. McGregor & Associates

BUSINESS ACTIVITIES INCLUDE:

- Consulting, Coaching, and Mentoring to both public and private sectors
- Selling products and services
- Industrial Regional Benefits (IRBs)/Industrial and Technological Benefits (ITBs), International Military Offsets, and Procurement

WE REPRESENT:

Affinity Manufacturing of Surrey, BC,
<http://machining.ca/>

CFI Syllab Inc. of Montreal, Quebec, <http://boarddiversity.ca/sites/default/files/SLabelle.pdf>

Global Trade Solutions Inc. of Nashville, Tenn.,
www.gtsworldwide.com

Growthclick Inc. of Vancouver, BC,
www.growthclick.com

Hugh Investment Group Corporation
of Saint John, NB, www.hugh-igc.com

Inteluma Energy Systems of Vancouver, BC,
www.inteluma.com

MiVa Engineering Ltd. of Burnaby, BC,
www.mivaengineering.ca

Mussel Crane Manufacturing of Chilliwack, BC,
www.musselcrane.com

Perpetual Industries Inc. of Calgary,
www.perpetualindustries.com

Vidcruiter Inc. of Moncton, www.vidcruiter.com

**MEMBER OF PACIFIC NORTHWEST
AEROSPACE ALLIANCE (PNAA)**

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Surrey, BC V4N 3A7
www.rjmcgregor.com

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R.J. McGregor & Associates

Tel: 1 (604) 902-0622
randall.j.mcgregor@gmail.com

Saxon Aerospace

BRINGING TOGETHER THE BEST PEOPLE IN THE AEROSPACE INDUSTRY

Saxon Aerospace: Personnel, Project and Compliance Services

PERSONNEL – FLEXIBLE STAFFING

Saxon Aerospace makes the connections between aerospace professionals throughout North America. Our strength is supplying flexible staffing to your AMO or manufacturing organization. Our personnel are selected for their experience, qualifications, skills and work ethic.

Clients and candidates are treated with integrity, trust and professionalism – this is the culture we foster and share. We are instrumental in improving workforce performance, reducing hiring costs, expanding workforces and coordinating complicated hiring scenarios. Saxon's experience and vast professional network enable us to serve your needs as a priority.

PROJECTS – AEROSPACE PLANNING

- Crew sourcing and scheduling

By reviewing the needs to all stakeholders along with the project scope we will create a plan to meet your company's objectives.

COMPLIANCE – CONTROLLED GOODS

Saxon Aerospace is a compliant company with the Controlled Goods Program of Canada. In addition to assisting with your controlled goods application and employee screenings, we also supply compliant manpower to supplement your own workforce.

- Training and employee screening
- Field evaluation readiness
- Compliant staffing and maintenance

PO Box 93001 Willowbrook Drive
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Langley, BC V3A 7E9
www.saxonaerospace.com

Tom Walters
Director

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Fax: (866) 254-1288

tom@saxonaerospace.com

University of the Fraser Valley

Love planes? Jump-start your career in the aerospace industry with the University of the Fraser Valley (UFV)'s 10-month Transport Canada-approved Aircraft Structures Technician program. Prepare for a challenging, high-tech career in the aerospace industry.

With great hands-on training opportunities and industry partnerships, we're particularly proud that our students get to train right at the Abbotsford International Airport in our specially designed facility. Of course, some lessons involve a desk, while others take you onto the shop floor where you will work on aircraft structures.

There's no better way to learn. The Aircraft Structures program introduces you to the fundamentals of aircraft structural maintenance and repair. Learn everything from the use of basic hand tools to the repair of complex aircraft structural components. Work on shop projects as well as real-life damage scenarios on actual aircraft.

There's no doubt that you will benefit from the experience of one-on-one contact with knowledgeable instructors in the department, and the opportunity to gain hands-on, applied experience throughout the program.

UFV is a fully accredited, public university that enrolls more than 16,000 students each year. UFV is recognized nationally for student success, an excellent learning environment, creative integration of programming, and our work with our local communities.

30645 Firecat Avenue
Abbotsford, BC V2T 6H5
www.ufv.ca/aerospace/

Wally Gallinger
Associate Professor/PRT

Tel: (604) 852-7377

Fax: (604) 852-7399

wally.gallinger@ufv.ca

Versaform Canada Corp.

Versaform is a full-service metal forming facility specializing in advanced stretch forming processes to manufacture a wide variety of aircraft structural components throughout North America. All required tools can be produced in house, directly from digital data, or by scanning supplied sample parts. Versaform is AS9100 Rev C certified.

Core capabilities:

- Extrusion forming
- Brake formed shape forming
- Skin Forming
- Shear and Brake
- Tooling

Manageable processes:

- Heat Treating
- Final Finish

V-21 Cyril Bath Swing Arm

- Tonnage capacity: 21 ton
- Extrusion capacity: 8" – 288"

V-10 Cyril Bath Swing Arm

- Tonnage capacity: 15 ton
- Extrusion capacity: 8" – 168"

Versa Former

- Tonnage capacity: 15 ton
- Extrusion length – 12" – 144"

Erco T-200 Skin Press

- Tonnage capacity: 200 ton
- Max. sheet size: 52" x 120"

Erco T-150 Skin Press

- Tonnage capacity: 150 ton
- Max. sheet size: 72" x 120"

5 Axis Routing Centres

- 3 – 5 axis DMS routers/profilers

#6-6221 202nd Street
Langley, BC V2Y 1N1
www.versaform.ca

Simon Chivers President

Tel: (604) 539-9500
Fax: (604) 539-9501
simon@versaform.ca

Viking Air Limited

Viking Air Limited is a world-class aerospace company and manufacturer of the Twin Otter Series 400, the best-selling 19 passenger turbo-prop aircraft available on the market today. The Viking Twin Otter Series 400 received type certification in 2010, and to date, over 100 aircraft have been sold to 27 countries worldwide.

In 2006 Viking acquired the Type Certificates for the entire line of de Havilland heritage aircraft (DHC-1 through DHC-7), and fully supports the worldwide legacy fleet with spare parts manufacture, in-service engineering, technical support, fleet tracking, technical publications, mobile repair teams, and warranty administration.

Viking services a global customer base from 14,000m² of parts manufacturing, assembly, and aircraft modification facilities at Victoria International Airport, and 6,500m² of aircraft final assembly at Calgary International Airport. Viking's workforce exceeds 425 employees between the two operations.

Viking is a first tier Original Equipment Manufacturer of seven legacy de Havilland Aircraft:

- DHC-1 Chipmunk
- DHC-2 Beaver
- DHC-3 Otter
- DHC-4 Caribou
- DHC-5 Buffalo
- DHC-6 Twin Otter
- DHC-7 Dash 7

1959 de Havilland Way
Sidney, BC V8L 5V5
www.vikingair.com

David Curtis President & CEO

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Fax: (250) 656-0673
info@vikingair.com



The Manitoba Aerospace Association (MAA) represents a "Network of Excellence" for the delivery of manufactured aerospace products and value-added services by world-class companies. The Association is a central point of access to Manitoba's aerospace industry, leading a network for collaboration, growth and development.

MISSION

The MAA supports and promotes the aerospace industry through business development activities and human resource initiatives.

AEROSPACE IN MANITOBA

Manitoba provides a diverse range of superior aerospace manufactured products as well as maintenance, repair and overhaul, training and specialized services.

The cluster has unique and growing capabilities in composites manufacturing, repair, R&D and commercialization, supported by the Composites Innovation Centre (CIC) and collaborations with industry, the University of Manitoba and Red River College.

Manitoba is also home to OEM-led, state-of-the-art environmental testing and research facilities, particularly for engine testing and certification.

MAA MEMBERS:

Acklands-Grainger
Advanced Composite Structures
Aero Recip (Canada) Ltd.
Allied Wings Aviation Training Centre
Argus Industries
B/E Aerospace Lighting and Engineered Solutions
Boeing Canada Operations Winnipeg
Cadorath Aerospace Inc.
Canadian Light Source
Canadian Manufacturers and Exporters
Canadian Propeller
Capitol Steel
Carlson Engineered Composites
Composites Innovation Centre (CIC)
Cormer Group Industries Inc.
Deloitte
Dynamic Machine
Economic Development Winnipeg
Enduron Custom Inc.
Environmental Testing Research & Education Centre (EnviroTREC)
FastAir Executive Aviation Services
Flightcraft Maintenance Services
GE Aviation Canada
Hilton Hotels
HindTech Canada
Iders
Industrial Technology Centre

Keewatin Air Ltd.
Magellan Aerospace, Winnipeg
Manitoba Jobs & the Economy
MDS AeroTest
MicroPilot
OIC Precision Labs
PointMan Canada Ltd.
Precision ADM
Red River College
Southport Inc.
StandardAero
Standard Manufacturers Services Ltd.
Tarry & Associates
TDS Law
University of Manitoba
West Canitest R&D Inc. (WestCaRD)
Winnipeg Airports Authority
Yes! Winnipeg

The Manitoba Aerospace Human Resources Council (MAHRC) helps meet the training and education needs of existing and future aerospace employees. Driven by industry, MAHRC delivers innovative solutions to upgrade skills, address labour shortage challenges and foster continuous improvement and enhanced competitiveness.

MAHRC shares member companies' qualifying costs for training existing employees, creates pathways into the industry through strategic partnerships with Manitoba's secondary and post-secondary institutions, and delivers outreach, promotion and awareness initiatives for the aerospace industry as a career destination.

MAHRC also delivers the "learner to world class" Competitive Edge Supplier Development program.

Manitoba Aerospace Association Inc.

10 Tweedsmuir Road
Winnipeg, MB R3P 2A8
www.mbaerospace.ca

Ken Webb **Executive Director**

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kenwebb.maa@mymts.net

Advanced Composite Structures

Advanced Composite Structures is on the leading edge in rotor blade/composite structure repair technologies due, in part, to the company's vision, diligence, perseverance and sheer determination.

This success can also be attributed to its comprehensive and ongoing Research and Development program resulting in new and enhanced repair procedures, as well as its commitment to excellence focused on finding **"Sound Solid Solutions"** for customers.

With our state-of-the-art Aircraft Composite Component Repair Facility, Advanced Composite Structures provides both rotary-wing and fixed-wing aircraft operators with a full complement of composite repair services from primary dynamic structures to tertiary structures.

Components include helicopter rotor blades, cowling, fairings, doors and floors, as well as fixed-wing radomes, ailerons, elevators, rudders, flaps, flight controls, engine nacelles, landing gear doors, passenger/cargo floors, overhead stowage bins and interior panels.

Capabilities include in-house repair designs, bonding processes ranging from room temperature to 350°F hot bonds, negative or positive pressure techniques, and in-house expanded repair design, tooling design and fabrication.

TCCAAMO: 39-89

Controlled Goods Security Program registered

43 Muir Road
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www.acs-composites.com

James E. Anning
President

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Argus Industries

Argus is a cutting edge silicone, rubber, and foam seal manufacturer with over 15 years of experience supplying to Aerospace/Defense OEM's as well as Tier 1 & 2 manufacturers. Argus has a fully engaged corporate culture built on Lean principals. We have built a proven organizational model based on current world class systems and processes through a partnership with NWAA (Northwest Aerospace Alliance) in the UK. Argus has also been recognized for our corporate culture in many publications including the Wall Street Journal, local papers, and business publications.

Manufacturing capabilities include:

- Rubber Injection Molding (Bulk Head Pressure Seal, and Wing fuel Seals)
- Specialty Cutting and Assembly with CNC cutting capabilities (Silicone gaskets, Fabric Inserted Silicone Wing Seals)
- Large inventory of certified AMS, MIL, ASTM approved products and materials.

Certifications:

- AS9100 Rev.C
- ISO 9001:2008
- Canadian Controlled Goods Program Certified

The Argus Edge:

- Strategic Supplier to Bombardier Aerospace and other notable Tier 1 & 2 Aerospace Manufacturers
- Manitoba Aerospace Award Winner for Quality and Excellence
- CAD Capabilities – Catia V5, Solidworks, and other file formats
- In house Metals Division: CNC Machined Metal Parts

YOUR ONE SOURCE FOR SPECIALTY SEALS:

silicone, fluorosilicone, and elastomeric materials. Contact us today!

20 Murray Park Road
Winnipeg, MB R3J 3T9
www.argusindustries.ca

Ross Roy
VP Business Development

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Fax: (204) 896-4250
info@argusindustries.ca

B/E Aerospace Lighting & Engineered Solutions

Formerly EMTEQ, B/E Aerospace Lighting & Engineered Solutions is now a part of the world's leading manufacturer of aircraft cabin interior products – B/E Aerospace.

Our two offices in Canada focus on design and manufacturing for aircraft conversions and modifications.

At B/E Aerospace Lighting & Engineered Solutions in Canada, we create products that optimize existing designs, create space, and enhance aircraft capabilities by deploying our responsive and integrated engineering, manufacturing and certification expertise. From aircraft doors & mission equipment to storage solutions, we understand regional, VIP, utility, and special mission aircraft.

CORE COMPETENCIES

- Aircraft interiors: Medical, Corporate, Cargo, Special-Use
- Mechanical systems/structures design
- Avionics/electrical systems design
- Aero structures: Doors, Storage Solutions

- Aircraft modification solutions, kits and options
- Manufacturing
- Supplemental Type Certification for aircraft modifications
- LED lighting and cabin systems
- Cables, trays, and installation kits

TRANSPORT CANADA CERTIFICATION

- Design Approval Organization: DAO:98-C-01
- Authorized Manufacturing Organization: AMO:88-97
- AS9100 and Controlled Goods Program Certified Manufacturing Facility

25 Dunlop Avenue
Winnipeg, MB R2X 2V2
www.beaerospace.com/LES

Udaya Silva Managing Director – Canada

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Composites Innovation Centre

The Composites Innovation Centre (CIC) is an industry-led, not-for-profit technology development and commercialization centre that supports the development of new products, manufacturing techniques and capabilities using composite materials and processes.

The CIC works collaboratively with industry on projects in the aerospace, ground transportation and industrial sectors that result in measureable economic benefits to the project participants and the community. The CIC is also actively involved in the research and development to use local crops such as hemp and flax in composite applications.

In the aerospace sector, the CIC provides the following services:

- Composite component and assembly design and analysis
- Composite material and product testing
- Materials and process development
- Prototyping and out-of-autoclave processing
- Production support

- Plug design and manufacturing (5-axis machining)
- Project management

As a one-stop-shop solutions provider for the composites industry, the CIC team has the experience, technical capabilities, extensive network connections and project management skills required to maximize the benefits of your composite application to meet your goals. These benefits can include reducing weight, improving performance, reducing cost and enhancing manufacturability and productivity.

158 Commerce Drive
Winnipeg, MB R3P 0Z6
www.compositesinnovation.ca

Mike Hudek Vice President, Business Development and Operations

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Fax: (204) 262-3409
mhudek@compositesinnovation.ca

Red River College

Red River College (RRC) has enjoyed a longstanding reputation for providing highly trained, job-ready graduates to Manitoba's workforce. In recent years, the College has also taken a lead role in powering innovation and productivity by working directly with industry in the areas of applied research, technical services and training.

As Manitoba's largest institute of applied learning, RRC remains committed to helping aerospace, aviation and manufacturing organizations hone their competitive edge by providing access to RRC facilities, access to equipment, resources and College researchers, expert trainers and technical expertise.

TECHNOLOGY ACCESS CENTRE

RRC's Technology Access Centre (TAC) provides the following services:

- **Applied Research:** focused efforts serving your specific project for new product prototyping, new process validation, innovation or productivity. See our website for areas of focus.
- **Technical Services:** 3-D printing/ rapid prototyping, NDT, and more

- **Knowledge seminars, workshops** and special events regarding new technologies available and productivity benefits.
- **Industry Training:** Technical and non-technical training delivered to improve productivity through new hire, up-skill, gap and expert training options. Training can be provided off-the-shelf or highly customized to suit your organization.
- **Aerospace and Aviation:** Specific student programming, co-op work terms and internships

B100-2055 Notre Dame Avenue
Winnipeg, MB R3H 0J9
www.rrc.ca/TAC

Tracey Dyer

Director, Business Development

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Southport

Southport is an established property manager and developer currently managing a real estate portfolio that includes a fully functional, Transport Canada certified commercial airport; commercial airside and groundside properties; residential properties; and value-added recreational properties.

The airport is a critical asset that serves as the primary base for Allied Wings consortium (Kelowna Flightcraft Ltd.) in providing military flight training (MFT) services to the Department of National Defence (DND) through the Air Force's Contracted Flying Training and Support program.

Outside of flight training, Southport hosts two other aerospace related tenants, Airport Technologies Inc. (ATI) and Stevenson Aviation – Red River College. ATI manufactures and restores airport snowplows for major airports across North America, while Stevenson Aviation offers the only Transport Canada approved Aircraft Maintenance Engineer (AME) apprentice-model training program in Canada.

Additional commercial tenants include: Accelerated Christian Education Canada, which

is the national distributor of home school based curriculum; Assiniboine Community College, which offers a two-year Licensed Practical Nursing Program; Southern Regional Health Authority, which has its corporate headquarters located at Southport in addition to the Portage la Prairie Emergency Medical Services; and Addictions Foundation of Manitoba, which offers an intake program.

Current vacancies include a 16,000 sq. ft. facility with direct airside access and room for hangar development, as well as various commercial offices and storage.

25 Centenaire Drive
Southport, MB R0H 1N1
www.southport.ca

Peggy A. May

Chief Executive Officer

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Fax: (204) 428-6036
pmay@southport.ca

YES! Winnipeg

YES! Winnipeg is a private-sector led business development team whose mission is to grow and strengthen Winnipeg's economy by assisting in the creation of new jobs and investments.

Our 10-member team focuses on key sectors within Manitoba, including the aerospace industry. We proactively attract new businesses to Winnipeg, and assist local companies and entrepreneurs to launch new ventures or expand existing businesses.

We work with clients to determine what key actions need to be taken in order for them to launch new business or expansion, and then we facilitate the connections within the community to help move forward, including providing assistance navigating government departments, arranging financing and locating suppliers, to name a few.

Operating within Economic Development Winnipeg Inc., we are a results-focused, not-for-profit organization, offering our services

to our clients free of charge. YES! Winnipeg is funded by the generous support of 120 local businesses and government.

Please contact YES! Winnipeg if your company or a company you know is considering establishing or expanding operations in Winnipeg, or if you have contacts with non-Manitoban and/or international companies that YES! Winnipeg should speak to about the many benefits of operating a business in Manitoba.

300-259 Portage Avenue
Winnipeg, MB R3B 2A9
www.yeswinnipeg.com

Sonya Muraro
**Director, International
Business Development**

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Fax: (204) 942-4043

smuraro@yeswinnipeg.com





We are a diverse industrial cluster supplying leading-edge technology and components to the aerospace, defence and security sectors. We are a strong voice for New Brunswick-based companies. We are the central point of contact for the growth and development of the aerospace, defence and security industries. We offer an experienced, educated, bilingual and highly skilled workforce in a pro-business environment. Together, we deliver unique and innovative products and services to the world. We are the New Brunswick Aerospace and Defence Association.

Future Ready. World Prepared.

A DIVERSE INDUSTRIAL CLUSTER

Our solid reputation is built on the wide range of experience and capabilities of our members. Equipped with competitive technology, they are experts in their fields, specializing in a diversity of areas. From navigational aids and weather systems to modern armour production and major commercial aerospace projects, NBADA members are committed to cost-effective management and business practices. In addition, they always work with ambition, enthusiasm and energy.

A PRO-BUSINESS ENVIRONMENT

Our success in the aerospace, defence and security sectors is partly due to our strategic location. New Brunswick businesses have several advantages. We are within deal-making distance of two of the world's great trading rings: the European Union and North America. The province features transborder air access and its five ports allow for inexpensive shipping to all corners of the world. Furthermore, New Brunswick has transcontinental railway network connections linking businesses to the Atlantic and Pacific U.S. seaboards, Central Canada and the Gulf of Mexico. New Brunswick's major highways are fully integrated with U.S. and eastern and central Canadian networks. Interstate 95 continues in New Brunswick connecting to the Trans-Canada Highway.

Besides the benefits of location, New Brunswick offers plenty of financial advantages. A competitive tax regime with high credit ratings contributes to a stable and healthy business environment. Meanwhile, housing, energy, payroll, capital investments and basic living costs are below average, making New Brunswick a financially desirable place to live and invest. The province's high concentration of academic institutions – 17 universities and community colleges and 100 private training facilities – has increased the pool of educated workers, making them a valuable part of a burgeoning aerospace, defence and security industry.

A FOCUS ON GROWTH AND DEVELOPMENT

Through training, certificate advice and presentations, we arm our members with the latest news, trends and issues that are relevant to the industry. Consequently, this helps them adapt and grow in an ever-changing and increasingly competitive marketplace. We are dedicated to the growth and development of the industry. As such, we advocate on behalf of our members to address issues of importance and provide extensive networking opportunities that reach regionally, nationally and internationally. We serve as a key channel through which these companies can lobby and collaborate on collective issues.

New Brunswick Aerospace and Defence Association

1630 Route 940
Centre Village, NB E4L 1Y6
www.nbada.ca

Peter Hess **Managing Director**

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Keith Donaldson **Chairman**

Tel: (506) 857-7544

CE3 Electronics Inc.

CE3 Electronics Inc. is a World Class Electronics Manufacturer specializing in Printed Circuit Board Assembly and Complex Wire Harness Manufacturing. CE3 Electronics features a Design Engineering Department that continually serves a wide variety of clientele looking for Control and Embedded Systems Design. A Top Tier Electronics Manufacturer, CE3 Electronics offers the following capabilities and services:

- Leaded and Non-Leaded Soldering Assembly
- Surface-Mount/Through-Hole / Hybrid-Content PCB Assembly
- Wire Harness and Cable Assembly
- Custom Wound Magnetics
- PCB Layout and Prototyping
- Conformal Coating and Potting
- Full and Partial Turnkey Service

CE3 Electronics has the capability and the expertise to handle any challenge:

Microprocessor based Control Systems Design, Electrical and Power Systems Design, PCB Layout, Prototyping, Design for Manufacturability, Box Build and Systems Integration, Custom Labeling and Serialization, Anti-Static Packaging.

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IPC/WHMA-A-620A (Class I, II, III)
Canadian Controlled Goods Directorate (CGD)

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Dieppe, NB E1A 7G1
www.ce3electronics.ca

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Expansion Dieppe

SEIZE OUR MOMENTUM

Located in the City of Dieppe at the intersection of Hwy 2 and Hwy 15, on lands surrounding the Greater Moncton International Airport, Aviation Avenue is the ideal location for companies specializing in aerospace research, manufacturing, maintenance, repair and overhaul.

Traditionally recognized as the Hub of the Maritimes, Dieppe is the most efficient location from which to serve local, regional, national and international markets. Easy access to air, rail and road transportation networks, coupled with a highly specialized knowledge and labour base, are just a few reasons why companies choose to locate and grow here. Recognized as the "Hub of Atlantic Canada," the region has repeatedly been rated by *The Globe and Mail* as "one of Canada's Top Places to Live and do Business."

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Louis Godbout Executive Director

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The Aerospace and Defence Industry Association of Newfoundland and Labrador (ADIANL) facilitates the development of business opportunities in the Aerospace, Defence and Security sector and acts as a common forum for all Newfoundland and Labrador aerospace, defence and security related companies, agencies and other interested stakeholders. ADIANL is focused on facilitating the enhancement of the industry in the following key areas:

- Building stronger recognition for Newfoundland and Labrador's Aerospace, Defence and Security industry within the Government of Newfoundland and Labrador and the Government of Canada;
- Enhancing the profile and competitiveness of the provincial Aerospace, Defence and Security industry in global markets;
- Building strong relations with trade associations in other provinces; and
- Identifying specific opportunities for the benefit of the industry sector across Newfoundland and Labrador.

All ADIANL members have direct business activities in Maintenance, Manufacturing, Training/Education, Repair, Overhaul and/or Information Technology in the Aerospace, Defence and Security industry.

MEMBERS ARE:

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www.acousticzoom.ca

AGILE SENSOR TECHNOLOGIES

www.agilesensors.com

BLUEDROP PERFORMANCE LEARNING

www.bluedrop.com

C-CORE

www.c-core.ca

CAMOUFLAGE SOFTWARE

www.datamasking.com

CNS SYSTEMS

www.cns.se

COLLEGE OF THE NORTH ATLANTIC

www.cna.nl.ca

COMPUSULT LIMITED

www.compusult.net

COUGAR HELICOPTERS

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DYNAMIC AIR SHELTERS

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GANDER INTERNATIONAL AIRPORT AUTHORITY

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GASTOPS

www.gastops.com

GENESIS CENTRE

www.genesis.mun.ca/GenesisCentre

GLADSTONE AEROSPACE

www.gladstoneac.com

GOOSE BAY AIRPORT CORPORATION (GBAC)

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GRI SIMULATIONS

www.grisim.com

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www.krakensonar.com

MARINE INSTITUTE – MEMORIAL UNIVERSITY

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PROVINCIAL AEROSPACE

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www.rutter.ca

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Aerospace and Defence Industry Association of Newfoundland and Labrador

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Lin Paddock

Executive Director

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The Aerospace and Defence Industries Association of Nova Scotia was established in 1995, and rebranded in 2012 as ADIANS, *Advancing Nova Scotia's Marine, Aerospace and Defence Industries*. ADIANS is an industry-driven, not-for-profit association representing Nova Scotia's aerospace, marine and defence-related sector interests, advocating on behalf of over 100 companies, many operating in a dynamic and growth-oriented export market.

Acting as the proactive and positive voice of the industry in Nova Scotia, ADIANS' core mission is to identify industry potential and optimize the growth of business opportunities within the aerospace, defence and security, ocean technology, unmanned vehicle systems, marine industries and shipbuilding sectors. ADIANS delivers on its mandate to facilitate the promotion and development of these sectors and to work closely with its various government partners (federal, provincial and municipal) in the definition and implementation of growth strategies, and to maximize opportunities and increase work share through Industrial and Technological Benefits (ITB's). As a progressive association, ADIANS encourages the pursuit of competitiveness enhancement initiatives, supplier development, industry certification, continued efforts focused on international business development, and high quality professional development events for its membership.

We are working towards creating a hub of advanced technology companies partnered with Nova Scotia to drive innovation and success. These actions optimize benefits and create a leading position for the industry in attracting external commercial investments and also lead to increased collaboration with university research, development and commercialization initiatives.

Contract and supply chain awards to firms like Lockheed Martin, CAE, Stelia Aerospace North America, Fleetway, General Dynamics Canada, IMP Aerospace & Defence Group Limited, L-3 Communications Electronic Systems, MDA and Ultra demonstrates our industry expertise, dynamic solutions and innovation. Given the members' focus on growth, innovation, a skilled and loyal workforce and increased productivity, these sectors continue to meet and exceed the demands of its global customer base as it succeeds in the 21st century economy providing expertise in many areas, some as noted below:

Engineering Leadership: Design/ Engineering/ Manufacturing: Aircraft engines, metal and composite structural components, ocean mapping and charting, maritime surveillance and remote sensing

Maintenance, Repair, Overhaul (MRO): Fixed and rotary wing aircraft, and ships

Advanced Technology: Marine, aerospace mission systems, secure communications, advanced learning technologies, modeling and simulation, training systems integration and information systems integration

ADIANS

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McInnes Cooper

McInnes Cooper is among the top business law firms in Canada, with more than 200 lawyers serving clients across North America and abroad from our seven Canadian offices. We are market leaders in business law, litigation, employment, tax, real estate, and energy and natural resources.

Our clients across North America provide consistent, positive feedback on our ability to deliver quality, service, experience and results, with depth and range of legal specialties.

Our clients appreciate our commitment to providing top-notch legal service in a timely, responsive and cost-efficient manner, fully tailored to their needs and budget. By providing junior and senior-level support, along with an ideal mix of service specialties, our clients receive exactly what they need, exactly when they need it.

We take it a step further by offering several flexible pricing options, including project-based fee caps, flat or fixed fees, blended rates, volume discounts and annual rebates. Our clients have helped us create these alternatives, and our clients truly benefit.

McInnes Cooper is the Atlantic Canadian member of Lex Mundi, the premiere network of international independent law firms. Through our Lex Mundi network, we can coordinate introductions with international contacts and legal advisors if necessary.

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Photo courtesy of General Atomics Aeronautical Systems, Inc.



ONTARIO AEROSPACE COUNCIL

FEATURED MEMBER COMPANIES

A-Line/Muru Aerospace Machining

AeroTek Manufacturing Ltd.

Applied Precision Inc.

Arnprior Aerospace Inc.

Can-Tech Services

Canadian Measurement-Metrology Inc.

Canadian Plastics Group Ltd.

Canadore College

Centennial College

Cyclone Manufacturing Inc.

E.T.M. Industries Inc.

Exactatherm

FootageTools Inc.

Koss Aerospace

Liburdi Turbine Service

Peterborough, Ontario

Qualified Metal Fabricators Ltd.

Service Steel Aerospace

Shimco

Skyservice

SPP Canada Aircraft, Inc.

Tulmar Safety Systems Inc.

Valiant Corporation

YYB North Bay



A-Line/Muru Aerospace Machining

A-Line/Muru Aerospace machining is a full-service, highly advanced, machine shop servicing aerospace, defence, nuclear and satellite industries. A-Line/Muru makes parts from all aerospace super alloys including stainless, titanium, inconell and hasteloy.

Quality and security approvals include AS9100, NADCAP, ISO 9001:2008, Controlled Goods program, as well as a number of prime customer approvals.

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Fax: (416) 769-7975
robmu@a-linetool.com

AeroTek Manufacturing Ltd.

AeroTek Manufacturing Ltd. has provided the highest quality and quickest turnaround times for aerospace coatings for 60 years. AeroTek's team consists of highly skilled and experienced aerospace engineers, technicians, chemists and management, working towards continuously improving processes and customer satisfaction. AeroTek and partners offer one-stop-shop solutions to support customer requirements, including:

- Stress relief
- NDT
- Shot peening
- Anodizing
- Chemical Processing
- Electroplating
- Ion vapour Deposition
- Paint and dry film Lube
- MRO services
- NDT

AeroTek holds approvals with most aerospace OEMs and operates out of a specially constructed 27,000 sq. ft. facility in Whitby, Ontario. AeroTek strives to constantly improve existing processes, while adding new processes as required. AeroTek is particularly focused on environmentally-friendly processes and

is Canada's expert on Ion Vapour Deposition, the completely environmentally-friendly replacement for Cad and other sacrificial coatings. To this end, Light Sulphuric Anodizing replaced Chromic Anodizing in 2013 to further reduce our environmental footprint. AeroTek is working on implementing Zinc-Nickel Plating in 2015 as a replacement for Cadmium Plating.

As part of ongoing efforts to provide customers with continuously improved services, AeroTek has achieved a 4Star level on the Bombardier 5Star program and is constantly working to improve our ISO/AS9100 and Nadcap approved processes.

1449 Hopkins Street
Whitby, ON L1N 2C2
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Applied Precision Inc.

Applied Precision (3D Digitizing Systems & Services) provides high precision, static and dynamic 3D metrology solutions to the aerospace and other advanced manufacturing industries. With more than a decade of global technology experience we have delivered powerful testing, design and inspection solutions to our customers to improve quality and accelerate product development.

- Steinbichler structured light and laser 3D scanning systems
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www.appliedprecision.ca

Robert M. Bell
President

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Arnprior Aerospace Inc.

Arnprior Aerospace Inc. has more than 50 years' experience in the design, production and support of structural components for aerospace and defense applications. Our 3 manufacturing sites located in Arnprior, ON, Canada, Chihuahua, Mexico and Portland, OR, USA, total 300,000 sq. ft. We combine our product design and program management skills with close tolerance fabrication, precision machining, complex assembly and integration, heat treat, chemical processing, and paint capabilities to create superior one-stop shopping value for our customers. Our product offerings include a wide range of aerospace manufactured parts, kitting, high tolerance assemblies, avionics racks including trays and shelves, electrical distribution cabinets, fairings and major door assemblies.

CERTIFICATIONS & QUALIFICATIONS

QUALITY MANAGEMENT SYSTEM

- ISO9001:2008 + AS9100C Certified

NADCAP ACCREDITED SERVICE OFFERING

- Chemical Conversion Coating
- Boric-Sulfuric Acid Anodize
- Heat Treatment
- Liquid penetrant inspection
- Magnetic particle inspection

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Can-Tech Services

Can-Tech is known in the recruitment industry as a leading resource solutions provider that connects the right people with the right opportunities.

Throughout our now 40 years in business, our team has remained successful in providing clients and contractors with ethical, reliable, and flexible service. We are a principal staffing service for aerospace, manufacturing, logistics, IT and skilled trades.

In the early years, our company was one of the first agencies to develop and utilize overseas recruitment techniques to supplement our local pool of manpower.

Can-Tech boasts a diverse and very experienced management team. We are proud of the relationships we have built over the years with our clients and contractors, and we will continue to revitalize our services to meet the needs of those who count on us.

CAN-TECH SERVICES

connecting people with opportunity

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www.cantechservices.com

Vicky Elliott

**Director of Operations and
Aerospace Recruitment**

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Tel: (416) 360-0926/Cell: (416) 209-7125

Fax: (866) 838-8443

velliott@cantechservices.com

Canadian Measurement-Metrology Inc.

Canadian Measurement-Metrology Inc. is a multifaceted, high technology provider of metrology products and measurement services. We provide our customers experience and insight, allowing them to solve complex measurement and engineering challenges.

SERVICES

Dimensional Measurement and Scanning:

We offer measurement on-site or at our own measurement lab, including scanning of entire aircraft, cowlings, wing sections and landing gears. Internal scans of aircraft and helicopters can be performed, as well as certification of all related tooling and fixtures.

PRODUCTS

Coordinate Measuring and Scanning Machines:

From high productivity ultra-precise bridge CMMs to large gantry installations, using tactile, optical and laser probing. Products include: Brown & Sharpe, Leitz, Hexagon and OGP.

Reverse Engineering Solutions: For conceptual design, component replication, failure analysis and CAD model development.

Portable Inspection and Scanning: For the inspection and analysis of large components that require high accuracies. Products include: Cognitens, Leica and ROMER.

SOFTWARE

We offer a full suite of metrology and reverse engineering software. Including, but not limited to, PC-DMIS Enterprise Metrology Solutions, Innometric's Polyworks, Spatial Analyzer and Coreview.

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Ian Murray

Business Development Manager

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Canadian Plastics Group Ltd.

The Canadian Plastics Group (CPG) is an aerospace manufacturing solutions provider, specializing in non-metallic materials. Our capabilities include vacuum thermoforming, CNC machining, die cutting, fabrication and assembly.

Common products supplied by CPG include interior panel assemblies, machined detail parts, windows/transparencies, rubber gaskets and many other non-metallic components.

CPG stocks finished parts for all our aerospace customers, so we ensure rapid AOG turnaround and excellent spares support. We also inventory aerospace materials such as Polycarbonate, Acrylic, Phenolic, Teflon, Nylon, Meldin and Vespel, among many others.

CPG is ISO 9001:2008 and AS9100 certified, and is registered under the Canadian Controlled Goods Program. We are proud to support several prime manufacturers including Bell Helicopter and all Bombardier Aerospace business units.

Our capabilities combined with our commitment to customer service, on-time delivery and unsurpassed quality make CPG an excellent choice for all your aerospace component requirements. We look forward to working with you.

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Newmarket, ON L3Y 7B5
www.cpggroup.com

Matthew Waddington
Vice President

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Canadore College

Canadore College has been a leader in aviation training for 42 years. The College is now over 3,100 aviation graduates strong, with aircraft structural repair technicians, aircraft maintenance technicians, avionics maintenance, and helicopter and fixed wing pilot alumni working around the globe.

The aviation industry has reached a critical point as international markets become more competitive. Canadore is determined to keep Canada's position in the aerospace industry strong and viable by training the next generation of aviation professionals to meet the demands of the evolving workforce.

The purpose-built Aviation Technology Campus is home to top-of-the-line and industry-standard training tools, as well as dedicated staff and faculty. The 87,000 sq. ft. training facility is ideally located at North Bay's Jack Garland Airport with its 10,000 ft. runway, the longest runway north of Toronto, Ont.

The College's hangar boasts 17,000 sq. ft. of prime training space, filled to capacity with fixed and rotary wing aircraft for students to perfect their skills. In Spring 2015, the dedicated campus will open the doors to the new Advanced Composites, Fabrication, Repair and Test Centre.

School of Aviation
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North Bay, ON P1B 8K9
www.canadorecollege.ca

Martin Galvin
Dean, Aviation Technology

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Centennial College

Toronto's Centennial College has been teaching aircraft maintenance and avionics maintenance technicians for more than 40 years at its Ashtonbee Campus Hangar.

Centennial operates one of the largest transportation technology schools in Canada with more than 350 aerospace students led by a faculty of highly skilled professionals in a facility that closely mirrors the industry.

Centennial was the first college to receive Transport Canada accreditation as an approved facility, and its programs are approved by both Transport Canada and the Canadian Council for Aviation & Aerospace. Bombardier Inc. has partnered with Centennial to prepare its future workforce in Toronto with new skills required in the assembly and maintenance of its next generation of aircraft.

Centennial graduates are in demand across Canada and around the world. With future growth in mind, Centennial College is planning a new aerospace education and training facility at Downsview Park in Toronto. The Aerospace Campus will increase capacity in existing programs and offer new ones in aerospace manufacturing engineering technology, composites repair and airframe assembly, as well as a new focus on applied research.

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www.centennialcollege.ca

Traci Brittain
Chair, Aerospace Programs

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Cyclone Manufacturing Inc.

Cyclone Manufacturing is a vertically integrated full-service provider of 3-5 axis machining, sheet metal fabrication, tube bending, welding and minor sub-assemblies of aerospace structural components to the largest aerospace companies such as AIDC, Bombardier, Embraer, FACC, GE, IAI, Lockheed Martin, MHI, SAAB, Spirit AeroSystems and Stelia Aerospace. Our surface treatment and controlled processes are approved by the major OEMs such as Airbus, Boeing, Bombardier, Embraer, IAI and Lockheed Martin.

Cyclone is a privately-owned company with over 500 highly skilled employees housed within four state-of-the-art facilities totaling 280,000 square feet.

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- Non-Destructive Testing
- Heat Treating
- Shot Peening
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- Passivation
- Primer, Fuel Tank Coating & Topcoat
- Bench top Assembly

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E.T.M. Industries Inc.

E.T.M. Industries Inc. offers both metal CNC machining and plastic injection molding capabilities, as well as a state-of-the-art tool room where we make our own tools, jigs, fixtures and plastic injection molds. ETM is ISO 9001:2000 and AS9100 REV C and Controlled Goods registered.

E.T.M. has 30 plus CNC machines in 3-, 4- and 5-axis machining plus 10 lathes with live tooling, two wire EDM machines and die sinking. Our plastic injection machines range from 28 ton to 250 ton for a total of seven machines. We work in the aerospace, space, automotive, nuclear, mining, military and telecom industries.

E.T.M. provides turnkey value added solutions, managing all aspects of inventory from raw stock and castings to finished goods, such as heat treat, plating, painting, silk screenings, and assembly and kitting.

E.T.M. is always adding new equipment and staying current with the latest technology in order to pass the best value back to our customers.

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John Robertson
General Manager

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Exactatherm

As one of North America's leading companies for surface treatment and vacuum heat treatment of metals, **Exactatherm** is continuing our commitment to maintaining our position as a market leader with our new SECO/WARWICK CaseMaster Evolution vacuum furnace, a two chamber furnace with oil and 2 bar gas quenching capabilities and working dimensions of 48 x 36 x 48. With this furnace, we have greatly expanded our capabilities and can now offer heat treating services on a whole new range of aerospace parts, including landing gears.

Quality assurance is of ultimate importance at Exactatherm. Our current certifications include: NADCAP AS7003, ISO 9001-2008, SAE AS9100-C and Controlled Goods Registered Program (CGRP).

Processes include: Ion Nitriding, Vacuum Heat Treatment, Stress Relieving, Age Hardening, and Cryogenics.

Services include: Certificate of Compliance, Heat Chart, Fixturing, Metallographic Examination, Micro Hardness Testing and Hardness Profile Analysis. Expedited and AOG service available.

Prime approvals include: The Boeing Company, Bombardier, Goodrich Landing Gear, Messier-Dowty, Pratt and Whitney Canada, Rolls-Royce and Heroux-Devtek.

Strategic alliances with OEMs and universities are supported to co-develop advanced thermal processes. A strong research and development thrust has been a priority at Exactatherm since its inception.

Exactatherm: "Leading the way in Metal Treating Processes."

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www.exactatherm.com

Tim Lidster
Business Development Manager

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tim.lidster@exactatherm.com

Footage Tools Inc.

Footage Tools Inc. is a modern CNC manufacturing facility located in Vaughan, Ontario. Founded in 1982, we have diversified our business model to service a variety of market sectors. We manufacture and distribute several lines of specialized construction field tools for the Gas and Water Utility market. We produce brand label products for major tool companies and provide custom machining services for the aerospace and automotive industries. We specialize in drilling and machining deep bores utilizing BTA type drilling equipment.

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www.footagetools.com

Nigel Burbidge
Vice President, Operations

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Cell: (416) 427-0077

Fax: (905) 695-8876

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Koss Aerospace

Koss Aerospace is a fully integrated, Tier 1 subcontractor and lean manufacturer of aircraft components and sub-assemblies. We have more than 35 years of experience – directly or indirectly – serving commercial and defense customers worldwide, including Airbus, Bombardier, Goodrich, Boeing, Spirit Aerospace and the U.S. Government. As a supplier to major OEMs and their subcontractors, Koss Aerospace has extensive manufacturing expertise. We offer a full array of integration, including manufacturing, processing, assembly and kitting.

We also continually invest in initiatives to improve methods and reduce waste, such as the lights-out 5-axis manufacturing cells. We are among the first aerospace facilities in North America to adopt this technology and will continue to do so to provide our customers with the latest and greatest technology and product.

Certifications include: AS/EN/JISQ 9001 Rev C, ISO 9001:2008, Nadcap Chemical Processing, Heat Treatment, and NDT and Surface Enhancement. Controlled Goods Program Certified and ITAR compliant.

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Liburdi Turbine Service

Liburdi specializes in engine component repairs and upgrading engine performance through the application of advanced technologies. We offer repairs for blades, vanes and combustor components, heat treatments, internal and external coating stripping/recoating, automated laser welding and high strength powder metallurgy.

We have engineering capabilities for metallurgical analysis, design and component modifications and we are a manufacturer of laser equipment for automated welding applications in the aerospace industry.

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www.liburdi.com

Robert Tollett
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Peterborough, Ontario

The Peterborough region has a vibrant and expanding aerospace sector. Since Prime Minister Stephen Harper opened the Peterborough Airport expansion project in 2011, over \$50 million has now been invested in Peterborough's aerospace sector.

With an ecosystem of operations at and in close proximity to Peterborough's Airport and aerospace industrial park, Peterborough is a leading base for national and international manufacturing, repair and overhaul; research and development; and training. Home to Seneca College's groundbreaking flight training school, as well as two top-ranked post-secondary institutions, Peterborough is a place where young talent comes for training.

Our Business Development Team offers support services to assist businesses with relocation and set up, supply chain and infrastructure development, as well as securing government research and development funding and loans.

For more information about the Peterborough Airport, please contact:

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www.PeterboroughAerospace.com

Lorne Kelsey
Peterborough Economic Development

Tel: (705) 743-0777 ext. 2126
lkelsey@gpaedc.on.ca

Qualified Metal Fabricators Ltd.

QMF is a privately-owned corporation specializing in the fabrication, assembly and finishing of metal components for the Aerospace and Defense Industry. Operating out of a 110,000 square foot facility, employing more than 130 employees, QMF is a vertically integrated company performing the vast majority of its services all under one roof with the aid of a sophisticated ERP system. With over 45 years of close tolerance manufacturing experience, QMF is renown for providing a quality product at the best possible price. In house services include shearing, punching, stamping, laser cutting, forming, TIG, MIG & resistance welding, brazing, soldering, polishing, machining, fastener / rivet installation, chemical processing, part marking and assembly. Certifications include AS9100, ISO9001, NADCAP Chemical Processing, NADCAP Welding, Controlled Goods, AWS, and JCP.

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Service Steel Aerospace

Service Steel Aerospace is a Customer Oriented Distributor of Aerospace Grades. We stock Aircraft Quality Stainless 15-5PH, 13-8PH Mo, 17-4PH, Aircraft Quality Titanium, Aircraft Quality Alloys 300M, 4340 Vac Melt, 4330 Mod, 9310, Nickel Base Alloys 718, 625, Hastelloy X, A286, Maraging Steel C250, C300, C350 and Invar E-36, E-42.

Grades are available in Rounds, Flats, Squares, Billet, Block, Sheet and Plate.

We can also provide added Value Services to your company such as Ultrasonic Testing, Trepanning, Water Jet Cutting, Heat Treating, Cut to Size JIT/LTA Programs.

Our Quality speaks for itself as we are ISO 9001:2008, AS 9100C and AS9120A Distributor.

**FOR OVER 40 YEARS, WE CONTINUE TO BE
A LEADER IN THE AEROSPACE INDUSTRY.**

175 Wetmore Ave. S.E.
Massillon, OH 44646
www.ssa-corp.com

Chris O'Toole Canadian Aerospace Manager

Toll Free: (800) 822-6358
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Shimco

Shimco is Canada's only full-service manufacturer of high-precision laminated shims, solid shims, edge-bonded shims, washers, tapers, spacers and small details, in materials including all aerospace metals, synthetics and certain composites. We manufacture and supply these high-tolerance parts to over 100 of the world's top OEM and Tier 1 aerospace companies, including Airbus, Asco, Bell Helicopter, Boeing, Bombardier, Embraer, Heroux-Devtek, MHI, NASA, Sonaca, Stelia, SPP, Triumph Group, Wesco and UTC Aerospace.

We partner with approved NADCAP subcontractors for heat treating, stress relief, anodizing, priming, painting and other processes required to complete orders to our customers' specific needs.

We are dedicated to:

- Our core values of safety, honesty, integrity, respect and cooperation
- Improving and growing our partnerships with our customers, suppliers, employees and with the communities in which we work
- Lean manufacturing principles and reducing our costs

- Keeping our lead times to one of the shortest in the world
- Maintaining our commitment to 100% quality and 100% on-time delivery
- Rapid responses to our customers' needs
- Minimizing our impact on the environment

Certifications: ISO 9001:2008, AS9100C, Canadian Controlled Goods Program, Joint Certification Program, ITAR compliant.

Awards: Bell Helicopter Premier Supplier Award, Markham Board of Trade Business Excellence Award (Innovation)

80 Bullock Drive, Unit 10
Markham, ON L3P 3P7
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Peter Voss
President & CEO

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Skysservice

Founded in 1986, Skysservice™ is Canada's leader in business aviation. With facilities in Montreal, Toronto and Calgary, Skysservice™ is dedicated to world-class service and the highest levels of safety and security. Our skilled maintenance teams, outstanding fixed base operation facilities, first-class aircraft management, charter services and HondaJet aircraft sales provide our customers with an experience that truly is air travel – evolved. Skysservice™ is proud to be your Canadian, 24/7, one stop shop business and regional jet service centre. We offer an expansive range of maintenance, avionics and non-destructive testing (NDT) services that fulfill all of your aircraft needs. We are also a Bombardier Approved Service Facility and Canada's only Authorized Warranty Facility for Gulfstream. Skysservice™ delivers services that revolve around our state-of-the-art facilities, a complete range of professional support programs, a highly skilled team of mechanics and engineers, competitive prices and full accounting transparency. We are a Transport Canada-approved maintenance organization

and recognized by the Federal Aviation Administration (FAA) and the European Aviation Safety Agency (EASA). Efficiency, safety and security are the foundation of Skysservice™. We are confident that we have the best possible solutions for your technical needs, and should you require service or assistance anywhere in the world, we will immediately deploy our team to come on-site and provide a solution.

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Director, Business Development,
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SPP Canada Aircraft, Inc.

SPP Canada Aircraft, Inc. (SPPCA) is a world leading company in the design, development, manufacturing and support of Landing Gear Systems for the commercial aircraft market.

Established in 2012, SPPCA is a wholly-owned subsidiary of Sumitomo Precision Products Co., Ltd. (SPP Japan), located in the Greater Toronto Area. Together we offer over 90 years of experience supporting a wide range of major aerospace customers including Gulfstream, Bombardier, Airbus, Mitsubishi, and most recently Dornier Seawings GmbH. SPPCA's 102,000 square foot facility houses full capability in development and design, final assembly production and functional testing. The site operations also include sales and marketing, new program management, supply chain development, and research and technology.

In pursuit of a vertical integration strategy, SPPCA acquired CFN Precision Ltd., a well-recognized Tier II Systems supplier, while also securing a business alliance with a world leading MRO provider, Lufthansa Technik and Hawker Pacific Aerospace. These partnerships enable us to ensure total life cost optimization for high level customer satisfaction worldwide. SPPCA is an ATA 32 Landing Gear Systems Integrator committed to delivering the best value to customers, while producing the world's safest and most reliable Landing Gear Systems.

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Tulmar Safety Systems Inc.

Tulmar Safety Systems Inc. is a fully-integrated manufacturer of textile protective products and survivability solutions for aerospace, defence and security.

Capabilities: Design, fabrication, repair & overhaul of textile assemblies, inflatable devices and aircraft interior components. Manufacturing processes include computerized cutting, sewing, adhesive bonding, RF welding, heat sealing, mechanical assembly, kitting. MRO of inflatable safety equipment and seat restraints.

Products: Aerospace components include life jackets, life rafts, passenger restraint kits, seat restraints, cargo nets, seat covers, carpet kits, galley flooring kits, helicopter float bags, survival kits, first aid kits, PMA cylinders. In-Flight Training products are generic versions of OEM evacuation slides, PBEs and life vests. Robust design capability can deliver innovative custom-designed protective solutions.

Partners: Authorized Canadian distributor and repair station for EAM life vests and life rafts, Winslow life rafts, AmSafe Aviation seat restraints, AmSafe inflatable restraints and Katadyn osmosis pumps.

Approvals: ISO 9001:2008, AMO 67-92, EASA 145.7249

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Francine Bigras
Aviation Program Manager

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Valiant Corporation

Valiant is a world-class supplier of advanced engineering solutions, and a full-service supplier of automation, tooling, equipment, and manufacturing systems with ISO 9001:2008 and AS9100 Rev. C registrations.

Our customer programs are supported by modern in-house design, heavy fabrication and machining facilities in North America and Europe, with 375 computer design stations operating 14 software platforms, including a heavy commitment to CATIA V5 and V4 with over 60 seats. Engineering, heavy fabricating, machining (including 5-axis H.S.M.) capacities exceeds one million man-hours annually. Valiant also maintains in-house Finite Element Analysis (FEA) and proof-load testing capabilities.

We have been serving the aerospace sector for over 35 years, providing a wide range of automation, equipment and tooling, including Pulse and Moving Assembly Systems, Automatic Guided Vehicles, Robotics and Specific Automation Systems, process holding fixtures, locating drill jigs and fixtures, work platforms, molds, and testing solutions. Our established commitment to quality, value and efficiency gives our customers a true sense of confidence.

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steve.mastroianni@valiantmachine.com

YYB North Bay

YYB North Bay is interested in landing your aerospace business. The YYB North Bay Jack Garland Airport and the adjacent YYB North Bay Airport Industrial Business Park are perfect locations for aerospace and space-related assembly, testing and evaluation programs, offering a 10,000 ft main runway, 4,500 ft crosswind and dedicated flight and ground test areas, as well as reserved flight test airspace. Canadore College's School of Aviation Technology is on-site, offering 40+ years of experience training aviation and aerospace professionals.

The wide range of amenities available at YYB North Bay are perfectly suited to your operation, including serviced air and groundside properties (for lease or sale) on an active airport. Representatives can help you access excellent Federal and Provincial incentive programs, as well as the Airport Community Improvement Plan (ACIP), to help offset capital and wage costs, taxes and permit fees.

For more information, please visit www.YYB.ca or contact by email invest@YYB.ca

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The Aerospace and Defence Association of PEI (ADAPEI) is an incorporated non-profit entity (est. 2005) representing the collective interests of its industry members involved in the **aerospace** and **defence** market segments. Working closely with industry and government partners, ADAPEI facilitates and provides a forum to advance collaborative sector business development, marketing, and workforce development initiatives on behalf of the collective sector in the province.

From virtually an unknown sector in the early 1990s, to one of the fastest growing and key economic industries in the province, the aerospace sector represents a true success story for Prince Edward Island. The PEI industry cluster serves global aerospace and defence markets, specializing in maintenance repair and overhaul, advanced manufacturing, design and engineering, and more.

ADAPEI also works collaboratively with its regional umbrella organization, the Atlantic Alliance of Aerospace and Defence Associations. The Alliance is a collaborative network comprised of the four provincial aerospace and defence organizations in Atlantic Canada and their respective industry members and government partners serving the aerospace, defence, space and security industries. The Alliance facilitates strategic industry development on behalf of the region while promoting the Atlantic Canada brand locally, nationally and internationally.

Our members are committed to delivering superior quality, competitive client pricing and total customer service experience. Make us your partner of choice to fulfill your aerospace and defence requirements!

The sky is no limit for ADAPEI!

ADAPEI IS HONOURED TO REPRESENT THE FOLLOWING INDUSTRY MEMBERS:

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ACTION AERO INC.
www.actionaero.com

ASPIN KEMP & ASSOCIATES
www.aka-group.com

HONEYWELL ENGINES, SYSTEMS & SERVICES
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www.portsmouthatlantic.com

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VECTOR AEROSPACE ENGINE SERVICES – ATLANTIC
www.vectoraerospace.com

WIEBEL AEROSPACE
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Innovation PEI

The aerospace and defense industry in Prince Edward Island is thriving and enjoys many business advantages:

- Canada's only aerospace tax rebate program
- Government partners that work with you in setting up and growing your business on Prince Edward Island
- Tailored incentive packages that get business started on the fast track to success
- Training partners that work with you to answer your growing staffing requirements
- Local aerospace training centre with programs that can be customized
- A highly skilled and loyal workforce
- A great quality of life and close working artnerships for owners and employees

- Increased profitability with a competitive cost structure
- Easy access to major international markets including Halifax, Montreal, Toronto, New York and London

Prince Edward Island's aerospace and defense companies enjoy quality service and world-class infrastructure.

94 Euston Street
Charlottetown, PE C1A 7L9
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Doug MacDonald
Senior Investment Officer, Aerospace

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Photo courtesy of StandardAero



Aéro Montréal, Québec's aerospace cluster, was created ten years ago to allow this industry to grow its influential and competitive edge globally. Its strategic thinking is drawing on hundreds of influent actors in this field, all involved in six working groups responsible to roll out developmental projects serving Québec's aerospace community.

1. Markets Development Working Group – SMES
2. Supply Chain Working Group
3. Innovation Working Group
4. Branding and Promotion Working Group
5. Human Resources Working Group
6. Defence and National Security Working Group

With these working groups, Aéro Montréal developed different projects allowing Québec to maintain its worldwide leader position.

DESIGN PROJECT OF A GREENER AIRCRAFT

The development of the SA²GE program based on designing a greener aircraft further strengthened Greater Montreal's position as an axis of excellence in innovation. Stage 1 of this program proved to be an awesome opportunity for SMES to work closely with clients in acquiring technologies that could be incorporated in the next-generation aircraft. This program showed tangible results and will begin Stage 2 in 2015.

DEVELOPMENT OF A WORLD-CLASS SUPPLY CHAIN

The MACH Initiative was launched by Aéro Montréal in order to optimize the performance of Québec's aerospace supply chain to strengthen its global competitiveness. This program gives to Québec's SMES access to common and recognized methodological framework, tools and financial support to carry out an enhancement program linked to 15 key business processes. All this, augmented by a customer's mentorship and a recognized certification process.

QUÉBEC, A WORLD-CLASS LEADER

With revenues of nearly \$14B, Québec's aerospace industry is a true world-class leader. Established as the third aerospace center in the world and ranking 6th among the global aerospace material producers, Québec is home to more than 200 companies, of which 4 prime contractors, 10 OEMs and more than 190 suppliers (SMES).

Greater Montreal is the only aerospace capital in the world which includes all the necessary services and corporations to build aircraft. Québec's aerospace industry can draw on a pool of diversified and specialized labour, with nearly 42,000 workers and some of the most prestigious technical institutes, colleges and universities active in the aerospace industry in Canada.

Exporting more than 80% of its production, the aerospace industry ranks 1st for Québec's exportations. Also, Québec is THE centre for aerospace R&D operations in Canada with 70% of the Canadian investments made in Québec. This represents nearly \$1B annually.

Aéro Montréal

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AAA Canada

AAA Canada is an on site manufacturing company that offers specialized subcontracting services in industrial production. Our solutions are tailored to the market's needs and provide our customers with a greater flexibility, whether they are Aerospace industry suppliers, maintenance or repair centres, or even large manufacturers.

AAA Canada draws its strength from the European Group AAA, a major player in the Aerospace sector, generating more than 250 million dollars of annual revenue and employing over 2,500 people throughout the world.

We are recognized for our experience in managing international projects. Backed by a network of 9 countries, our teams of professionals are dispatched at your facilities quickly and at a competitive cost.

Our team of specialists is comprised of employees operating on a short or long-term basis on our customers' projects. As such, they regularly benefit from advanced training to remain conversant with the sector's rapid evolution. They share our values of professional integrity, respect, commitment and sustainability.

On site manufacturing and technical assistance solutions

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Adetel Canada

Know-how:

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- Rugged Bus (ARINC, AFDX, CAN) and corresponding drivers
- Rugged OS32 Bits, Win CE, LINUX
- Real-time embedded software under OS VxWorks, LynxOS, level DO178 DAL-A included
- FPGA (ALTERA, ATMEL, XILINX), level DO254 DAL-A included
- Validation tools, simulation and embedded aeronautics tests (DO160) or desembedded,
- Transverse know how: CAD/IAO, packaging (CATIA-V5), FMDS, environmental qualification, design manufacturing
- Electronics and mechanics system engineering (top of V cycle): specifications, Tiers-1 supplier follow up, aeronautics validation & certification (ATA42, ATA31, ATA27, ATA32 & ATA24)

Our offer:

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- EMS with our manufacturing partners: Asteelflash Group, Varitron
- Embedded computers, command & control
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AKKA Group North America Inc.

LEADERS IN ENGINEERING AND TECHNOLOGY CONSULTANCY

Established in 2010, AEROCONSEIL CANADA has joined AKKA GROUP NORTH AMERICA (Group AKKATECHNOLOGIES) and has over 100 employees.

Positioned as one of Canada's leaders in engineering and technology consultancy, we operate mainly in the aerospace and aeronautics sectors and offer our clients the benefit of our high level of expertise in engineering:

- System integration, Design, Modification and Certification (all ATAs) on various ATAs
- Applications, embedded and real-time software, air traffic control
- Certification support, including DO178, DO254, DO160, ARP4754
- Design studies, calculations, simulations, materials, testing, quality
- Lean manufacturing, manufacturing engineering, quality supply chain, industrial production systems, design of production units

- Implementation of document systems, and production of information
- Operations and customer support, field services
- Testing: support ground and flight tests, electronic, EMC, EMI, RAMS

AKKA GROUP NORTH AMERICA develops synergies with the various parts of the Group, in order to bring international experts into its teams. This global approach allows clients to take advantage of technology transfer and a high capacity for innovation.

2000 rue Peel, bureau 660
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Stephane Roche Vice-President, General Manager

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KEY SECTORS

Aeronautics
Aerospace
Communications
Energy and Resources

CERTIFICATIONS

ISO 9001
AS9100
Controlled Goods Program
MACH 3

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Eric Larrivee General Manager

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ATD Design and Manufacturing Services Inc.

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- Product Design
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- Additive Manufacturing – Prototyping

ATD's mission is to offer clients optimal aerospace tooling solutions, tailored to meet their production needs. ATD delivers competitively priced design and tooling that meet or exceed client requirements. ATD is certified as ISO 9000:2008, Controlled Goods Program, ITAR approved by Textron.

ATD combines design, engineering and manufacturing expertise to produce composite and metallic tooling as well as assembly jigs. ATD has many Catia stations, which with its experts and practical shop floor experience, contribute in designing tools that work for production personnel in a DFM and LEAN environment.

ATD has a track record of over 100,000 designed and fabricated tools.

Located in the hub of the Canadian Aerospace industry, ATD works in unison with many OEM's in the region and worldwide.

Contact us. It will be our pleasure to discuss your specific requirements.

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Montreal, QC H4T 1V3
www.atddesign.ca

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Director

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ATEM Canada Inc.

ATEM is a SME specialized in design and manufacturing of RF & Microwave Coax Cables Assemblies and subsystems up to 40GHz for Aerospace and Defense Applications. Founded in 1990, the company is a leading supplier for prime contractors and OEM asThales and AIRBUS. ATEM markets are Aerospace and Defense for satcom, radar, ground station, tests and measurements applications.

Since March 2013, ATEM Canada offers RF & Microwave engineering services to Canadian companies, mainly in aerospace industry.

ATEM participates also actively in various R&D projects in Canada.

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A.T.L.A.S. Aeronautik Inc.

A.T.L.A.S. Aeronautik is a manufacturing and integration specialist featuring three Centers of Excellence specialized in aerospace manufacturing: Air Ground Equipment, Sido and Aviation Lemex. Our structure allows us to centralize management resources to provide innovative, high-quality and cost-effective manufacturing solutions. Our goal is to develop solid, long-term business relationships with our OEM and Tier-1 customers.

Air Ground Equipment (AGE – 1963)

is specialized in:

- Machining, splines, gear cutting and thread rolling (sizes up to 1ft³);
- Actuator, power transmission, landing gear components.

Sido (1949) is specialized in:

- High-volume, high-precision machining (sizes up to 6 in³);
- Turbine engine (small parts, fuel system) components.

Aviation Lemex (1989) is specialized in:

- Aluminum machining (up to 12ft long), sheet metal fabrication;
- Wing, fuselage, door, flap control components.

420 rue Edouard
Granby, QC J2G 3Z3
www.atlasaeronautik.com

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AV&R

AV&R, under its brand AV&R Aerospace, offers intelligent automation solutions designed to optimize manufacturing processes and to control quality. Its team has a unique expertise in Robotic Finishing (profiling, polishing, deburring and more), in Robotic Application of coatings, in Automated Visual Inspection and in Integration Services going up to full automation of a production line.

AV&R Aerospace specializes on gas turbine parts used in jet engines, mostly on critical rotating parts such as blades, vanes and blisks / IBRs.

AV&R Aerospace stands apart through its innovative approach and its expertise in engineering and design of complete turnkey automation systems. The company stays ahead of the curve by investing massively in research and development to keep offering the best solutions available to its clients.

Adapting perfectly to the pace of today's manufacturing environments; AV&R Aerospace's products strengthen the staff autonomy in the factory and allow conducting complex inspections and finishing processes with remarkable precision, at optimal speed. Moreover, its vision and robotics solutions, based on proven technology and years of skill development, increase the plant's output as well as product quality while reducing shipping cycles and maximizing return on investment (ROI).

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Jean-François Dupont CEO

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Avianor

Celebrating our 20th year in business, Avianor Inc. is a privately-owned Canadian company with almost 300 highly trained, non-unionized employees. We are Transport Canada, F.A.A. and EASA approved having four facilities all located in Mirabel, QC where we perform aircraft heavy maintenance, cabin interior integration, wheels and brakes and inventory warehousing, for commercial and military aircraft. We recently opened our fifth facility, which is a wheel and brake shop located in Airdrie, Alberta.

Avianor offers personalized maintenance support for the A310, A319/320, A330/340, B737 family, B747, B767/777, Dash 8 family, Bombardier CRJ 100/200 and ERJ190 aircraft types and performs scheduled "check" maintenance, a full range of in-house back shop support services, line maintenance and supply chain support. Our unique product offering also includes the fabrication and design of aircraft interior applications such as seat covers, tables, curtains, brackets, dividers,

galleys, windscreens and harnesses not to mention full engineering services to support the change of cabin interior configurations and aircraft livery installations. These engineering services include providing test plans, structural reports, flammability reports and interface load analysis as well as functional and EMC tests. Avianor is a multiple STC holder providing innovative solutions and quality workmanship with integrity and flexibility.

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Avior Integrated Products Inc.

Avior is a full-service supplier of lightweight structural assemblies for the aerospace industry. The company provides in-house fabrication capabilities for composites (Graphite, Kevlar, Glass), and metal fabrication for sheet metal and complex machined components. The fabrication capabilities are supported by in-house special processes which include welding, heat treatment, metal to metal bonding and NDI.

As an integrator of aerospace components and structures, Avior provides engineering services for new products and supports the full development cycle from prototypes to qualification and certification. The engineering team is also active in seeking cost and weight reduction solutions for our customers that leverage the broad range of in house manufacturing capabilities.

Typical products include:

- Engine cowls. A hybrid assembly using advanced composite materials and sheet metal details.
- Leading edges. Hybrid assemblies using composites and complex machined components.

- Mechanical flight critical assemblies using complex machined components.
- Over 7,000 machined and sheet metal details and bench-top assemblies using Aluminum, Stainless Steel and Titanium.

OEM Approvals: Bell Helicopter, Boeing, Bombardier, Lockheed Martin, Northrop Grumman.

ISO 9001 – AS9100rev C

NADCAP Certified

- Chemical Processing (Paint and Alodine)
- Composites
- Heat Treatment
- NDI
- Welding

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CAM Solutions

From engineering design to manufacturing production, CAM Solutions has the team and the expertise to deliver the solutions you need. Implementing manufacturing and design systems, CAM Solutions has attained an unsurpassed level of proficiency in the industry. We understand the unique challenges facing our customers. From start to finish, we deliver exceptional sales, support and service to our customers. As a manufacturing and engineering intensive organization with a team of Certified eNET, GibbsCAM, InspectionXpert, Roland and SpaceClaim professionals in North America, we help our customers reach business objectives faster and more cost-effectively.

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CEL Aerospace Test Equipment Ltd.

We design, develop and commission fully integrated aviation gas turbine test cells for OEMs and independent Maintenance Organizations; we specialize in APUs, Turboprops, Turboshifts, small and mid-size Turbofans. CEL is 80 people strong and delivered over 700 projects over a quarter century.

Headquartered in Canada, CEL also has a US subsidiary, CEL Aero USA, and a European Engineering Services and Support hub in Poland. CEL is a project-oriented company. It is structured to perform consistently at all levels of its diverse service and product offerings, from the design of state-of-the-art test cells and data acquisition systems, our CELDAS® to the delivery of operational turnkey test facilities, anywhere in the world.

Primary offer and customers:

- Integrated test cells for engine R&D, Production and Overhaul, including the full facilities definition, Mechanical engineering for multi-engine handling, Instrumentation design or selection and our proprietary Data Acquisition System CELDAS®.

- OEM Customers: P&WC, Safran Group, Honeywell, Hamilton Sundstrand, General Electric
- MRO Customers: Airlines Customers, including all in-production and the majority of in-service APUs and independent entities
- Military customers: Delivered projects for the most prevalent Turboshifts, Turboprops, Turbojets and lower by pass ratio turbofan engines for various forces in Brazil, Greece, Mexico, Singapore.

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Centre de développement des composites du Québec

The Centre de Développement des Composites du Québec (Composite Development Centre of Quebec – CDCQ) helps businesses involved in the composite sector by providing technical assistance in the area of applied research, allowing them to improve the quality and performance of their products.

The centre benefits from a multifunctional laboratory and a range of equipment that covers most industry processes. A state-of-the-art material characterization and testing laboratory, using ASTM and ISO standards, completes the service offered to our industry partners.

Our recognized experts, engineers and technicians have the skills and expertise needed to provide innovative solutions to entrepreneurs to help them improve their skills and thrive in the competitive environment here in Quebec, across Canada and elsewhere in the world. The CDCQ has access to special grants to fund innovative technology research projects.

LABORATORY CERTIFICATION: ISO 17025

The CDCQ is a College Centre for Technology Transfer (CCTT) recognized by the Quebec government and affiliated to the College of Saint-Jerome. Together they provide services to the industry and have been training composite technicians since 1986. The College of Saint-Jerome was the first college to offer the technical program in Composite Materials in Canada.

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Janic Lauzon
Director

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DCM Group Inc.

DCM Group, the parent company comprised of **Aerospace Welding Inc. (AWI)** and **DCM Aerospace**. DCM Group is an expanding global player in aerospace with the majority of the manufacturing process in-house for greater quality control & on-time delivery performance. We offer manufacturing and repair services of aero structure parts, new parts manufacturing including tubes and ducts to aerospace OEMs, & provide GSE tooling fabrication under Airbus, Boeing, Bombardier & Embraer licensing's.

SOPHISTICATED TECHNOLOGICAL KNOWLEDGE

DCM Group is constantly innovating to develop new products and repair services as well as efficient production methods to meet the needs and requirements of its customers.

Certifications include: AS9100C, NADCAP accreditations for welding, NDT, chemical processing and plasma coatings, Controlled Goods Program & ITAR, MACH3, and Transport Canada AMO306-91 & DAO13-Q-03

ABOUT AWI

Our DOA certification enables AWI to participate in the issuance of Supplemental Type Certificates (STC), Repair Design Approvals and Part Design Approvals & stand out on the international scene by its numerous repair certificates, **all patented**.

ABOUT DCM AEROSPACE

The only worldwide supplier holding licenses and/or contracts for the fabrication of aircraft GSE for the four largest OEMs; Airbus, Boeing, Bombardier, and Embraer.

A One-Stop-Shop and LEADER in AEROSPACE

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Pierre Ayotte
Chief Executive Officer

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École nationale d'aérotechnique (ÉNA)

ÉNA, an affiliate of Edouard-Montpetit College, is the largest college-level aeronautical institute in North America in terms of both infrastructure and student capacity. It is the only educational institution in Canada that offers training in the following technical programs: Aerospace Engineering, Aircraft Maintenance and Avionics. (The last two are accredited by Transport Canada.)

- Capacity of 1,300 students in the regular program
- 6,000 students in continuing education
- 215 employees (120 teachers)
- \$85 million in buildings and equipment (5 hangars, 35 workshops, 35 airplanes and helicopters)
- \$13 million annual budget

BUSINESS RESOURCE CUSTOMIZED TRAINING CONSULTING SERVICES QUALITY AUDITS

In response to training needs expressed by its partners in the industry, ÉNA offers education

for individuals to ensure their employability, and for companies, training adapted to changes in organization and technology.

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Electro-kut Inc.

Electro-Kut specializes in high-precision CNC and electro-discharge machining (EDM). The company has developed a strong expertise in machining from casting and forging as well as from exotic materials found in landing gear components. The company also provides services in tool design and fabrication.

Electro-Kut is recognized for its technical skills and commitment to quality. Having acquired all the necessary certifications such as, AS-9100C and NADCAP for EDM processes, the company is also registered with CGP of Canada and is part of Aero Montréal's MACH Program.

The company offers flexibility and versatile fabrication services for intricate parts. A manufacturing cell has been developed for very high precision of complex components. The combination of CNC and EDM activities deliver the best added value expertise for our clientele.

"We have worked on developing our supply chain to improve our operational structure for the benefit of our customers. On the whole, we adapt and integrate the needs of our customers. We focus on **"Simplified Complexity"**

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EPSILON RTO Inc.**A CANADIAN THERMAL COMPANY**

EPSILON RTO Inc. is a privately-owned company specializing in thermal engineering.

Due to our R&D activities and our unique sense of know-how in the area of thermal and related physical phenomena, EPSILON RTO collaborates closely with system integrators, equipment manufacturers and component suppliers in the areas of Aeronautics, Aero Spatial, embedded systems and energy efficiency. EPSILON RTO's work is centered on three major themes:

- Thermal Technologies (heating and cooling control)
- Energy Management and Efficiency (production, collection, transformation, storage, distribution and renewal)
- Materials (particularly, composite materials)

Measurable benefits and expertise:

- Thermal studies (design, architecture, simulation, numerical modeling)
- Reduce risk during product design phase
- Increase reliability of your product
- Reduce your cost of development

- Optimize thermal behavior and its associated phenomena (thermoelectric, thermo fluidic, thermo mechanics)
- Guarantee implementation of thermal solutions and optimize your design
- Advise on predictive reliability (failure analysis)
- Improve and regulate equipment heat cycles; guarantee gradient
- Activities from the chip level (manometers) to the system level

The company is ISO 9001: 2008 certified and is registered with the Controlled Goods Program (CGP) of Canada.

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FDC Composites Inc.

FDC Composites Inc. specializes in Value Added Built to Print Manufacturing of composite parts & assemblies primarily for the transportation industry (aviation and rail). Our Value Added includes, complete assembly, integration of non-composite elements, finishing and painting, design, engineering, certification and tooling.

Our main manufacturing techniques are "Out-of-Autoclave", and can produce high performance structural and non-structural composite parts with significant added value.

All types of fibers (carbon, glass, etc.) and the vast majority of types of resins can be used. The main manufacturing process, Vacuum Assisted Resin Infusion (VARTM), is at the forefront of the industry. Vacuum Bag Molding, Pre-Preg, 3D printing (additive manufacturing), RTM and Hand Lay-up techniques are also mastered.

We also offer manufacturing of tooling, research and development, design, various testing and certification, which allows us to deliver projects faster than the competition.

Our World Class Quality System is certified under AS 9100 revision C and ISO 9001:2008. It is regularly audited and has demonstrated its compliance with the certification requirements as well as the high standards of our customers.

We are proud of our employees and their ability to innovate and offer a high level of quality and service to our customers at very competitive prices.

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Groupe Robert

UNE TRADITION D'EXCELLENCE

Depuis sa création en 1946, Groupe Robert perpétue une tradition d'excellence qui fait de lui un chef de file dans la chaîne d'approvisionnement en Amérique du Nord. Ses 3 300 employés constituent la pierre angulaire de son succès, qui repose sur un solide savoir-faire en matière de solutions logistiques, de distribution et de transport.

Founded in 1946, Groupe Robert proudly upholds a tradition of excellence that has made us a North American leader in supply chain management. We owe our success to our 3,300 dedicated employees and our expertise in delivering integrated logistics, distribution, warehousing and transportation solutions. Every day, this highly skilled and motivated team of professionals strives to provide top-quality service, using state-of-the-art equipment and the latest technologies, in order to meet and exceed our clients' expectations.

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JMJ Aerospace

Since 1996, JMJ Aerospace establishes its position as a pioneer in outsourcing and technical assistance in the aviation industry by providing a reliable, modern and flexible range of services.

Our services include:

On Site Technical Assistance: Just-in-time outsourced technical experts to address peaks in demand throughout the industry.

Strategic Outsourcing of Operations: Internal or external outsourcing of an operational function of your organization allowing you to focus on your value-added activities.

Turn-key Project Management: Turn-key operational start-up of your production cell, whether an extension to an existing site or the creation of a new international production or maintenance facility.

Mobile teams: Typical projects include mobile teams subcontracting to answer "AOG" emergency situations or ensure installation of equipment abroad or to respond to customer service calls.

JMJ Aerospace also developed the PARC project (Pairing Automation of Resources in Communities), a business model based on organizational resource sharing in the aviation industry.

JMJ also operates a place of business in Plattsburgh, NY to handle its US-based activities.

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MANNARINO Systems & Software Inc.

MANNARINO provides safety-critical systems, software and electronic hardware engineering services to the aerospace, defense, space, simulation and power generation industries.

MANNARINO is highly specialized in the design, verification and validation of safety-critical systems, software and electronic hardware including Full Authority Digital Engine Controls (FADEC), avionics, Health & Usage Monitoring Systems (HUMS), Ground Support Equipment (GSE) software, aerial refueling systems, Unmanned Aerial Vehicles (UAV), simulation and industrial engine controls.

Our engineering expertise covers a wide range of capabilities in systems engineering, software engineering, electronic hardware, safety & reliability engineering and program/project management. MANNARINO has significant experience with the latest aerospace standards, including engine and airframe certification, as well as hardware and software development guidelines (RTCA/DO-178B/C, DO-254 & DO-278/A).

MANNARINO provides Transport Canada Civil Aviation (TCCA) delegate services, with TCCA Design Approval Representatives (DAR) on staff, for airborne software (RTCA/DO-178B/C) and Airborne Electronic Hardware (AEH) (RTCA/DO-254).

MANNARINO offers a seminar entitled "Software Aspects of Certification and DO-178B/C" designed for systems & software engineers interested in learning more about RTCA/DO-178B and the changes introduced in RTCA/DO-178C supplements. For further information, contact Sue Dabrowski at (514) 381-1360 x 232 or sue.dabrowski@mss.ca.

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Marinvent Corporation

Marinvent is a privately-held Canadian company, founded in 1983. Marinvent is headquartered on the outskirts of Montreal, the leading aerospace center in Canada, one of the largest aerospace centres in the world.

Marinvent provides consulting, services, training, tools and IP to reduce customers' program/product risk, cost and schedule and to help them innovate quickly. Its engineers, experience, TCCA DARS, flying avionics test bed, research simulator and IP make it a reliable and trusted partner for the planning and management of projects, regardless of size and complexity. Marinvent's customers include aircraft OEMs, integrators, Tier 1s, Tier 2s and government customers around the world.

One of Marinvent's key values is its independence, which proves invaluable in helping customers to make informed and impartial product and acquisition decisions based upon an objective assessment of operational and performance requirements through application of proven methods and tools.

Marinvent prides itself of helping its customers bring their products to market and has a stellar track record of doing exactly that. As a result, Marinvent has won numerous awards in recognition of that fact.

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Mecachrome

For over 70 years, Mecachrome has been a major player in the aerospace, automotive, trucks, motor sport, defense and energy sectors, Mecachrome has successfully designed and produced high value structural and engine parts and assemblies.

A global leader in the sector of precision mechanics thanks to its highly qualified resources, its performing equipment, and its worldwide production capacity over 188,267m², Mecachrome employs about 2500 people worldwide.

Mecachrome uses its expertise and know-how based on technology and human skills to serve the Aerospace and Defense industry (civil, military and spatial), for the design and production of complex assemblies made of critical structural parts.

Through its worldwide operations, Mecachrome has participated in the development of most aircraft programs. As a major player in the global Aerostructure market, Mecachrome is a reliable partner for its customers at each step of their project:

- Engineering activities (centers of excellence)
- Capabilities in high precision machining on all types of materials
- Capabilities in structural assemblies, from prototype to certification
- Research and Development pole, very innovating in materials and processes
- International and experienced teams

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NGC Aerospace Ltd.

NGC Aerospace Ltd is a high-tech Canadian SME located in Sherbrooke (Quebec) whose mission is the analysis, simulation, design and deployment of artificial vision, guidance, navigation and control (GNC) systems for autonomous vehicles for space, aeronautical and terrestrial applications. Since 2001, NGC's team of engineers have contributed to the successful completion of more than 90 R&D projects and flight programmes with national and international space agencies as well as a number of major aerospace companies in Canada, Europe and the United States. The algorithms, simulators, real-time software and integrated systems designed by NGC aim at increasing the autonomy, the performance, the reliability and the safety of vehicles while, at the same time, reducing their operational costs. NGC's main clients are international and national space agencies, governmental agencies, as well as North American and European aerospace companies.

NGC's main services include the analysis, design, implementation, validation and flight operation of innovative algorithms and reliable real-time software required for:

- visual feature detection/recognition, visual odometry, hazards detection;
- navigation, data fusion, filtering, parameters identification;
- autonomous guidance, hazards avoidance;
- control (multivariable, robust, predictive, parameter-varying);
- failure detection/identification.

These activities also extend to mathematical modelling of dynamical systems and the development of the associated high-fidelity engineering simulators required for the validation of the software.

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NSE AUTOMATECH

NSE AUTOMATECH, a dynamic Canadian company, offers integrated products combining its two core activities: high precision machining, including our own surface treatment facilities, and specialized wiring. The success of the company is linked to its creativity, its rigorous execution and to the privileged contact it offers to each customer. NSE AUTOMATECH uses a participative management style, where the contribution of each person is profitable and where the responsibility of each individual – at all levels of the organization – ensures customer satisfaction.

NSE AUTOMATECH, une compagnie canadienne dynamique, est un intégrateur offrant un service complet regroupant deux principaux volets d'affaires; l'usinage de précision incluant notre propre usine de traitement de surface et le câblage filaire. Le succès de l'entreprise est lié à sa créativité, sa rigueur d'exécution ainsi qu'au contact privilégié qu'elle assure à chacun de ses clients. NSE AUTOMATECH applique un mode de gestion participative où la

contribution de chacun est mise à profit et où la responsabilisation des employés à tous les niveaux de l'organisation lui assure la satisfaction de sa clientèle.

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PRODEC MÉTAL Canada

PRODEC MÉTAL Canada is a subsidiary of PRODEC MÉTAL.

PRODEC MÉTAL is a specialized metal finishing, plating company serving principally aerospace and defense markets with over 40 years of expertise. Founded in the 19th century in Bordeaux France, PRODEC MÉTAL has been owned by the same family since that time and offer technical and decorative plating on metallic, plastic and composite materials.

The expertise of PRODEC MÉTAL, specialist in surface treatments and the deposit of precious metals, apply to luxury interior decorating (VIP aircraft interior components) and industry (composite connectors, aeronautical and spatial electronic devices). The combination of technological skills and the mastery of an artistic profession is the guarantee of constant quality and have enabled PRODEC METAL to achieve over 350 VIP Aircraft Cabin Interior Plating and to gain a reputation of excellence.

PRODEC METAL invests heavily in R&D and now offers coating technologies to aerospace components produced by additive manufacturing technologies.

PRODEC MÉTAL service most of the aerospace prime contractors and completion centres.

PRODEC MÉTAL Canada has been established to better serve our customers across North America.

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Olivier Laville
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RTI Claro, Inc.

RTI Claro is a subsidiary of RTI International Metals, a leading vertically integrated global supplier of advanced titanium and specialty metal mill products, parts, specialized engineering and other services to customers in markets that include aerospace, defense, energy and medical devices. RTI employs more than 2,500 people in facilities located in North America, Europe and Asia.

RTI Claro is a leading edge producer and integrator of value-added titanium and aluminum machined components and complex mechanical and electromechanical assemblies for a wide array of applications, such as structural components for wings, fuselage and cockpits, subassemblies and flight controls. RTI Claro has full capability in its Nadcap approved facility for non-destructive inspection, surface treatment and coatings application on titanium and aluminum products.

RTI Claro provides vertically integrated solutions, drawing on its own capabilities and know-how, those of the RTI International Metals group and the strength of its supply chain, from the development of titanium alloy and its production to the complete machining, assembly and finishing of the product. With its operational excellence and expertise developed over 40 years of service to the global aerospace and defence industry, RTI Claro is the right partner for success.

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Director, Strategic Planning and Business Development

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If you have hard to find material or have AOG requirements let Ryerson be your choice.

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Sinters America Inc.

Headquartered in Boucherville, Quebec, SINTERS AMERICA INC. is an Automated Test Equipment integrator and Ground Support Equipment manufacturer providing end-to-end solutions to the aerospace and defence industry.

From concept to final production, engineering to manufacturing, SINTERS AMERICA INC. (AS 9100 C & ISO 9001:2008) develops unique solutions for Airlines, MROs and OEMs, such as a Seat Electronics Tester, RVSM compliant metrology-grade manometer, fire-detection loop controller, and many more.

Sinters America is a stocking distributor and service center for ATR Ground Support Equipment as well as Techman-Head's (TMH) line of Boeing and Airbus tooling. In addition, our partnership with the ECA Group in Europe allows us to offer local services and support to our international clients.

Take advantage of team's passion, vision and skills, fruit of numerous years in the aviation business, and let us help you accomplish your objectives and exceed your goals.

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TechFab Inc.

TechFab Inc. is recognized for the quality of its services to its customers in the machining and tooling, with a particular expertise in aeronautics. Due to its level of control, built on over 25 years of experience, as well as its requirement of quality TechFab is certified AS9100C.

Its wide range of customer services and team work enable TechFab to meet the needs of its customers in a personalized manner. TechFab's expertise ranks the company as a specialist and leader for gundrill, and aerospace tooling. TechFab has the expertise to design and manufacture your projects. TechFab has developed its skillset in:

- Aerospace Tooling: design, fabrication, installation and calibration
- Gundrilling & Ejector drilling,
- Complex assembly with FARO Laser,
- Conventional & 5 axes CNC Machining
- Welding
- Cutting with EDM Wire

- Engineering services: drawing (CATIA V5 design), conception and fabrication of custom machine
- LaserTracker services

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Tecnickrome Aeronautique Inc.

Tecnickrome Aeronautique has been serving the aerospace industry since 1986. We are truly a one-stop integrated processor offering a wide range of non-destructive testing, metal finish treatments, plating, & supplementary manufacturing processes. Magnetic Particle Inspection, Liquid Penetrant Inspection, Temper Etch Inspection, Shot Peen, Dry Film Lube, Passivation, Chromium Plating, Cadmium Plating, Titanium-Cadmium Plating, Zinc-Nickel Plating, Electroless Nickel Plating, HVOF, Grinding, Superfinish, Honing, & Painting are a sample of the processes performed.

Approximately 150 employees are at your service 24 hours per day in a 40,000 square foot technologically advanced facility processing newly manufactured components as well as providing repair and overhaul services.

Our extensive aerospace civil and military OEM approval list includes: Boeing Commercial Airplanes, Boeing Defense, Space, and Security, Bombardier Aerospace, UTC Aerospace Systems (Goodrich), Messier-Bugatti-Dowty, Heroux-Devtek, Mecaer Canada, Liebherr

Aerospace, Sikorsky Aircraft, Gulfstream, and many more.

NADCAP accredited for: Aerospace Quality System – AC7004, Chemical Processing – AC7108, Coatings – AC7109, Non-Destructive Testing – AC7114, & Surface Enhancement – AC7117. In addition, we are committed to achieving NADCAP accreditation for grinding before 2016. We are registered under the Controlled Goods Program & Compliant to ISO 9001 / AS9100 Quality Management Systems.

Visit our website at www.tecnickrome.com for the most up to date list of our approvals as we are constantly adding new customers.

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Vicone High Performance Rubber Inc.

Vicone is a trusted partner for the design, optimization and strategic production of custom rubber parts. Vicone manufactures and supplies extruded and molded rubber seals and gaskets, meeting your specifications and delivered on time.

Vicone has been working with manufacturers in the aerospace, defense and security, and other industrial markets, for over a decade. We can support you from concept to production with our design, real rubber prototyping, optimization, strategic production, inventory management and other value-added services. Vicone's QMS is ISO 9001.

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The Government of Saskatchewan, through the Ministry of the Economy, assists Saskatchewan companies in becoming more actively involved in aerospace activities in Canada and abroad. The ministry works to promote Saskatchewan manufacturers, research institutions and technical institutes to the aerospace and defence sector. This is done through introducing Saskatchewan companies to the prime contractors, arranging visits by contractors to Saskatchewan and by acting as a liaison between industry in the province and international companies seeking business opportunities.

Saskatchewan is home to world-class research and development facilities; two universities, the Canadian Light Source Synchrotron and the Prairie Agriculture Machinery Institute (PAMI). The province is also rich in manufacturing expertise, First Nations opportunities, and has an abundance of training opportunities, including military and commercial pilot training, and trades training through Saskatchewan Polytechnic and the Saskatchewan Indian Institute of Technologies (SIIT).

The Saskatchewan Manufacturing Centre of Excellence has recently been established with Saskatchewan's manufacturers committed to implementing the principles of lean enterprise and improving their productivity and competitiveness. By working with cutting-edge technology and utilizing the Canadian Light Source Synchrotron – the only synchrotron in Canada – our manufacturers are able to develop new technologies and manufacturing equipment. Notable manufacturers with aerospace and defence capabilities include: SED Systems, Dumur Industries, Scientific Instrumentation Ltd., Vecima Networks, Draganfly Innovations, Siemens Laserworks, DynalIndustrial, Evraz and SBC Case.

The Saskatchewan Aviation Learning Centre, located in Saskatoon, houses the Commercial Pilot and Aircraft Maintenance Engineer programs. The Aircraft Maintenance Engineer program - developed by SIIT and funded by Boeing, Lockheed Martin, Rockwell Collins, and key investments from the federal and provincial governments - is building the foundation for a growing aerospace industry in Saskatchewan. Saskatchewan's Commercial Pilot program represents a provincial, college-level training program in partnership between Saskatchewan Polytechnic and the Saskatchewan Aviation

Council. Funding from Western Economic Diversification Canada enabled the purchase and installation of a King Air turbo prop simulator to provide valuable state-of-the-art training for commercial pilots in Western Canada.

Saskatchewan is also home to military pilot training. 15 Wing Moose Jaw is the home of the NATO Flying Training in Canada (NFTC) program, which is a strategic alliance between Canada's Department of National Defence and Bombardier to provide military pilot training to Canadian Forces and participating member countries. The base's clear prairie skies and proximity to the Rocky Mountains make it an ideal training ground for Canadian Forces and foreign pilots. Moose Jaw is also home to the Canadian Forces Snowbirds, Canada's celebrated air demonstration team. NFTC is supported by major aerospace companies such as Bombardier, CAE, BAE Systems, Hawker-Beechcraft, Serco Aviation Services and ATCO Frontec.

Investment in R&D infrastructure and manufacturing capabilities make the province an attractive location for research, development, manufacturing and testing of high-technology, high-quality aerospace and defence products and systems.

Please contact the Ministry of the Economy for further information.

Saskatchewan Ministry of the Economy

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International Trade Development and Promotion Events



The AIAC is actively involved in a number of International Trade Development and Promotion Events:

- International outgoing Trade Missions to International OEMs
- International incoming Trade Missions
- Aerospace and Defence Supplier Conferences and Summits
- B2B Events and Matchmaking Activities
- Market Intelligence and information sharing
- Business development leads
- Foreign Networking opportunities

EVENTS:

- Canadian Aerospace Summit, November 17-18, 2015, Ottawa, Canada
- International Astronautical Congress, October 12-16, 2015, Jerusalem, Israel
- AERODAYS 2015, October 20-23, 2015, London, UK
- Aerospace & Defence Exhibition (ADEX), October 20-25, 2015, Seoul, Korea
- Dubai Air Show 2015, November 8-12, 2015, Dubai, UAE
- Pacific Northwest Aerospace Alliance (PNAA), February 9-11, 2016, Lynnwood, WA
- Singapore Airshow, February 16-21, 2016, Changi Exhibition Centre, Singapore
- Satellite 2016 Conference & Exhibition, March 7-10, 2016, National Harbor, MD
- Aerospace & Defense Supplier Summit 2016, April 14-15, 2016, Seattle, WA
- Farnborough International Airshow 2016, July 11-17, 2016, London, UK

For additional information on the AIAC's business development activities, contact: Vlada Shilina, Associate Vice President, International Business Development and Strategy at vlada.shilina@aiac.ca



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