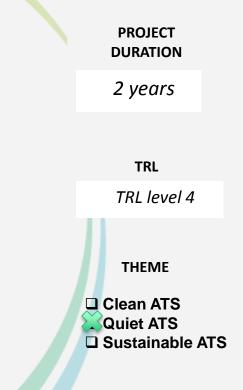
# **GARDN II**

Infused composites for interiors



### **Descriptions of the Need & Research Objectives**

- Interior composite panels that meet:
  - Lightwe<mark>igh</mark>t
  - Sound attenuation
  - Flammability
  - Low <mark>c</mark>ost
- From TRL4 to TRL6:
  - Comply with the requirements for interiors
  - Build a demonstrator





#### **Expected Environmental Benefits**

- Improve passenger comfort through acoustic dampening
- Reduce fuel consumption through weight reduction

### **Project benefits:**

- Improve canadian supply chain for composites
- Create jobs in a canadian SME





#### **Expertise sought**

COMPOSITES<sup>INC.</sup> FDCcomposites.com

•	Sandwich composites with FDC optimized infusion process	PROJECT DURATION
	<ul> <li>Mechanical testing</li> <li>Areal density</li> </ul>	2 years
•	Sound dampening composite sandwich panels	
	<ul> <li>Acoustic testing</li> </ul>	TRL
•	Interior requirements for categories -19pax & 20pax+	TRL level 4
	<ul> <li>Flammability testing per FAR 25.853</li> </ul>	
Ро	tential Partners	THEME Clean ATS Quiet ATS
	Bombardier Aerospace	□ Sustainable ATS



