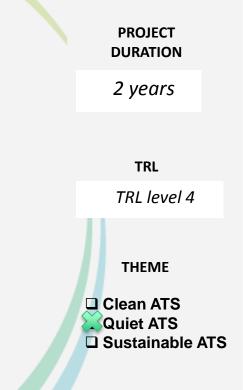
GARDN II

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^{INC.} FDCcomposites.com

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



