



SHD Composites announces role in EcoSuite - developing lightweight, sustainable materials and processes for next-gen Business and First-Class aircraft seating

Press release

8th April 2026

SHD, a Cambium company, is proud to announce its role in EcoSuite, a major initiative developing next-generation aircraft seating through sustainable materials and advanced manufacturing. SHD will supply its composites expertise with FR308 – a novel, bio-based, fully FST-compliant resin system for aircraft interiors, derived from a waste stream of cane sugar production.

EcoSuite unites Safran Seats GB, the Department for Business and Trade (DBT), the Aerospace Technology Institute (ATI), Innovate UK, and leading UK industry and academic partners—a consortium combining UK innovation with Safran Group’s global engineering capability to deliver seating solutions that are both high-performance and environmentally responsible.

The project secured ATI Programme funding at the Paris Airshow in 2025, the first direct investment in aircraft seating. This support reinforces the UK’s aerospace ambitions and aligns with ATI’s Destination Zero strategy to reach Net Zero carbon emissions by 2050.

FR308, reinforced with 300gsm glass fibre, delivers significant sustainability and health and safety advantages over traditional phenolic prepregs. Free from formaldehyde, phenol, and organic solvents, its bio-based formulation contributes to a significantly reduced carbon footprint. Supported by a detailed cradle-to-gate analysis covering raw material sourcing to material dispatch, FR308 is an ideal lower-carbon material choice for aircraft interiors.

SHD is exhibiting at Aircraft Interiors Show, Hamburg, between 14-16 April 2026. Meet us at the show on stand 6F111.

About SHD, a Cambium company

SHD Composite Materials, a Cambium company, is a global advanced composite materials company headquartered in the UK with sites across Europe, the UK and the USA. Our proprietary materials platform combines AI-driven molecular design with state-of-the-art chemistry, materials science, biology, and manufacturing capabilities. We develop new advanced materials and provide ISO qualified prepregs, films, adhesives and bespoke solutions to the highest performing applications and teams across the world. Our 200+ team proudly serves hundreds of customers across the aerospace, defense, energy, motorsport, marine and other high-performance industries, providing unique materials development and manufacturing capability to accelerate their development cycles and achieve higher performance.



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