

Press Release

STELIA Aerospace introduces OPERA® ESSENTIAL: A sustainable addition to the OPERA® family

Hamburg, May 28, 2024 - STELIA Aerospace announces the launch of OPERA® ESSENTIAL, the latest addition to its acclaimed OPERA® family, meticulously crafted to align with eco-design principles. This pioneering solution sets a new standard for sustainability in aviation while continuously delivering unparalleled comfort and luxury to passengers.

The aeronautics industry stands on the cusp of transformative change, bracing itself for significant challenges in the imminent future as it confronts the imperative of climate change. Embracing this shift and breaking new grounds, STELIA Aerospace presents a revolutionary concept — a sustainable, entirely autonomous seat, responsive to the passenger's movements.

Culminating from two years of a thorough lifecycle analysis and environmental impact assessment inspired by its elder sibling OPERA® SA, (Single-Aisle) the design approach of OPERA® ESSENTIAL gravitates around 4 key pillars: Mass optimisation, streamlined electrical components, incorporation of recycled and recyclable materials, all while upholding the luxurious comfort of a Business Class Long Range seat.

This new design notably includes the removal of the electrical actuator and the ECU, which not only reduces the seat weight and its environmental impact, but also offers passengers full control of their comfort, with an infinite number of positions and a faster switchover to full flat-bed mode.

"At STELIA Aerospace, we are not only engineers but also stewards of the environment. Our ambition with OPERA® ESSENTIAL is to offer a sustainable Premium seating solution that exceeds both passenger expectations and industry standards," said Thierry Kanengieser, VP Cabin Interior at STELIA Aerospace. *"By prioritising environmental responsibility and passenger comfort, we are redefining the future of air travel."*

STELIA Aerospace is committed to creating innovative seats with minimal impact on the planet, supporting global efforts towards sustainability while providing an exceptional passenger experience.

Key features of OPERA® ESSENTIAL include:

- **Sustainable Design:** Inspired by the imperative of sustainability, OPERA® ESSENTIAL is meticulously crafted to minimise environmental impact while maximising passenger comfort and experience. From thermoset to thermoplastics

Press Release

composite shells, and bio leather introduction, every component of OPERA® ESSENTIAL is carefully selected for its environmental impact, promoting circularity and recycling.

- **Weight Reduction:** Through advanced engineering and design, OPERA® ESSENTIAL boasts a 30% reduction in weight compared to OPERA® SA, ensuring a premium experience and more living space, while minimising fuel consumption and emissions.
- **Fast Kinetic Principle:** OPERA® ESSENTIAL features a patented, dynamic system that eliminates unnecessary cables and electronics, making it fully autonomous and environmentally efficient while offering an infinity of positions and a seamless comfort.
- **Drastic Reduction of Maintenance costs,** due to less parts and electronics.
- **Optimised comfort,** with a spacious full flat-bed offering plenty of living space, a direct window view and a sizable ottoman.

STELIA Aerospace remains dedicated to driving innovation in aircraft interiors, offering sustainable solutions that elevate the travel experience for passengers worldwide while delivering maximum profitability and eco-efficiency to airlines.

Visit STELIA Aerospace's booth at AIX 2024 to discover how STELIA shapes the future of aircraft interiors, combining innovation, luxury and eco-efficiency.

About STELIA Aerospace:

STELIA Aerospace is a brand of Airbus Atlantic, world number 2 for aerostructures, number 1 for pilot seats and in the Top 3 for Premium passenger seats. STELIA Aerospace's inspiring range of luxurious and bespoke First class and Business class passenger seats is the first choice for over 50 prestige airlines worldwide. All STELIA Aerospace products have FAA and EASA approval and are qualified on their respective Boeing and Airbus platforms. STELIA Aerospace's passenger seats have received several Awards, including the Airbus « Excellent performance for customer support », the « Crystal Cabin Award » and are ranked "2023 Boeing Blue Rating Supplier". More info at: www.stelia-aerospace.com

Media contacts:

Olivia BAUMANN, +33 (0)6 32 26 16 41 – olivia.bauman@airbus.com
Caroline BROWN, +33 (0)6 22 08 86 23 - caroline.brown.rp@gmail.com