LILIUM JET SEATS WILL DE DESIGNED AND BUILT BY EXPLISEAT

News / Business aviation, Manufacturer

Lilium has chosen French manufacturer Expliseat to design and build the pilot and passenger seats for the Lilium Jet. Expliseat specializes in lightweight and durable seating for aviation and other low carbon mobilities. The company has unique expertise in advanced materials such as carbon fiber and titanium, which makes their seats approximately 35% lighter than aviation seats typically made of aluminium.

This significant saving in weight is the result of an ultralight frame, which means comfort isn't sacrificed. The considerable mass saved is partially reinvested into additional cushions and enhanced ergonomics, which is expected to provide an optimal experience for the Lilium Jet's passengers.

Lower seat mass contributes to a more efficient and sustainable aviation. Expliseat is also engaged in other greentech initiatives. The company developed revolutionary recycled composite processes to produce seat parts without using any virgin material while guaranteeing higher levels of robustness compared to conventional plastic ones.

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Martin Schuebel, Senior Vice President Procurement at Lilium, said: “The Lilium Jet uses cutting-edge technology, so it’s only right that we have the best partners who also challenge the way things are done. Expliseat’s expertise with lightweight and durable materials will help us reach weight and distance targets for commercialization, while ensuring a premium passenger experience.”

Amaury Barberot, CEO Expliseat, said: “Expliseat leads the forefront for sustainable seating solutions. Lilium’s selection of Expliseat is a testimony to our technological advances and to the efficient balance offered by the TiSeat between weight saving and extra comfort. We are proud to develop one of the first serially produced eVTOL seats in history, compliant with the specific safety standards applicable to the industry, and to contribute to Lilium’s pioneering development.”

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