LILIUM STARTS PRODUCTION OF HIGH-PERFORMANCE BATTERY PACKS FOR LILIUM JET

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Lilium has started production of the advanced, aviation grade battery packs that will power the Lilium Jet on its first piloted flight, targeted for end of 2024. This latest milestone represents a landmark in the development of the Lilium Jet and follows extensive testing of battery pack subcomponents from individual cell to stack level with a focus onperformance, safety and regulatory conformity.

Yves Yemsi, COO of Lilium commented: “The start of production of the battery packs is a proud moment for Lilium. Battery technology is central to the goal of delivering sustainable regional air mobility, including overcoming the challenges of developing and industrializing a battery pack that will meet the stringent safety standards of aircraft certification. With the start of production of the Lilium Jet’s unique high-performance aircraft battery packs, Lilium has laid a further cornerstone towards realizing the vision of electric aviation.”

Lilium pioneering battery pack is comprised of lithium-ion cells with silicon-dominant anodes that will allow for higher energy, power, and fast-charging capabilities than graphite anode cells. Leading automakers such as Mercedes, Porsche, and GM plan to incorporate silicon anode

technology into their premium electric vehicles. Lilium's battery packs are being designed to meet EASA stringent aircraft safety requirements regarding shock resistance, heat resistance, containment, and redundancy. They are also being designed to deliver outstanding power and energy density to support a business model focused on regional, rather than urban, air mobility. Lilium has secured comprehensive intellectual property rights for its unique battery technology.

The Lilium Jet battery packs are being assembled at Lilium's purpose-built battery factory, located at Lilium's headquarters outside Munich, with the aid of new generation digital tools that enable process control, efficient data collection and traceability. Lilium has been supported in the design of the assembly line and initial production ramp up by suppliers with extensive experience in battery industrialization, especially in the automotive sector. First units off the battery assembly line will be used for verification testing ahead of the Lilium Jet's first piloted flight. Each Lilium Jet aircraft will be equipped with ten independently functioning battery packs that are designed to enable safe flight and landing, even in case of failure of any single battery pack.

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