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Fridolfing, October 2023

Rosenberger: High-Voltage Electrical Harnesses for the All-Electric Lilium Jet

Rosenberger, one of the leading connector suppliers worldwide, provides the high-voltage electrical harness systems for the first all-electric vertical take-off and landing (“eVTOL”) jet developed by Lilium N.V.

Rosenberger is the 3rd party of the collaboration between Lilium and its design and build partner for electrical wiring integration, GKN Aerospace.

The high-voltage electrical harnesses represent a critical system on the Lilium Jet. The harness system, for which Lilium has been granted patents in the U.S. and Europe, is essential for the Lilium Jet’s safety critical power distribution architecture. Designed for safety and redundancy, the harnesses will act as the aircraft’s main electrical arteries, distributing power from the ten batteries, located on the sides of the fuselage, to the jet propulsion units, embedded into the aircraft’s main wings and canards. The harness system has been optimized for high performance at low weight enabling a voltage of more than 900 V.



Marc Käumle, Executive Vice President Business Area Interconnect, Rosenberger said: “Electric aviation is on its way, and we are pleased to be a part of it. We have been designing and manufacturing connectors and cable assemblies over many years for a variety of aviation applications. We look forward to extending our capabilities into the eVTOL space as part of the Lilium Jet team.”

Yves Yemsi, COO of Lilium, commented: “We are delighted with the progress made in building this section of the electrical wiring system. Today’s milestone again confirms our approach of partnering with established aerospace suppliers for an efficient aircraft development program.”

John Pritchard, President of Civil Airframe at GKN Aerospace commented: “This collaboration has enabled us to leverage and build on the capabilities of each company. We are proud that our electrical wiring systems technology, our design expertise and our ability to manufacture at scale is helping Lilium make sustainable regional aviation a reality.”

About Rosenberger

Rosenberger is one of the world’s leading manufacturers of impedance-controlled and optical interconnect solutions in high-frequency, high-voltage and fibre-optic technology.

The product range covers RF coaxial connectors, components and accessories, RF measurement products as well as cable assemblies for mobile communication networks, data centres, industrial test & measurement, automotive electronics as well as for high-voltage contact systems, medical and industrial

electronics as well as aerospace engineering. The Custom machining division manufactures customer-specific precision parts from all machinable materials for various industries such as the automotive and commercial vehicle industry, ship building or classic mechanical and plant engineering.

Worldwide, the Rosenberger Group operates manufacturing and assembly locations as well as Rosenberger sales offices in Europe, Asia and North and South America where – in total – more than 14,200 employees develop, produce and sell our products. Rosenberger Hochfrequenztechnik GmbH & Co. KG with its headquarters in Fridolfing/Germany, where approx. 3,100 people are employed today, was founded in 1958 and has been family-owned ever since.

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About Lilium

Lilium (NASDAQ: LILM) is creating a sustainable and accessible mode of high-speed, regional transportation for people and goods. Using the Lilium Jet, an all-electric vertical take-off and landing jet, offering leading capacity, low noise, and high performance with zero operating emissions, Lilium is accelerating the decarbonization of air travel. Working with aerospace, technology, and infrastructure leaders, and with announced sales and indications of interest in Europe, the United States, China, Brazil, UK, and the Kingdom of Saudi Arabia, Lilium's 800+ strong team includes approximately 450 aerospace engineers and a leadership team responsible for delivering some of the most successful aircraft in aviation history. Founded in 2015, Lilium's headquarters and manufacturing facilities are in Munich, Germany, with teams based across Europe and the U.S. To learn more, visit www.lilium.com.

About GKN Aerospace

GKN Aerospace is the world's leading multi-technology tier 1 aerospace supplier, with a mission to be the most trusted and sustainable partner in the sky. As a global company serving the world's leading aircraft manufacturers, GKN Aerospace designs, manufactures and delivers an extensive range of advanced aerospace systems, components and technologies – for use in commercial and defense aircraft ranging from helicopters, business jets, passenger planes and advanced air mobility vehicles to the most advanced fighter aircraft. In line with its mission, GKN Aerospace is committed to achieving net-zero emissions by 2050. Lightweight composites, additive manufacturing, electrical wiring interconnection systems and innovative engine systems help to reduce emissions and weight on today's aircraft, while it collaborates with global partners to accelerate the development of zero-emission aircraft technologies, including hydrogen-powered propulsion and all-electric flight. GKN Aerospace is market leading in aerostructures and engine systems, with 15,000 employees across its 38 manufacturing locations in 12 countries.