

Press Release

Wiesbaden, January 20, 2020

Ultra-light landing gear made of carbon fiber composites for air taxis

- Series order for a total of 500 units
- First SGL Carbon component project for manned autonomous aviation

SGL Carbon will begin serial production of landing gear made from braided carbon fiber material early next year. The landing skids will be installed in around 500 air taxis worldwide over the next two years.

The air taxis will be powered by several electric motors. To optimize the range of the taxis, every single gram counts. Measuring about two meters in length and 1.5 meters in width, the ultra-light landing skid will weigh less than three kilograms, making it about 15 percent lighter than a similar component made from aluminum. This increases the potential flight time capacity of the air taxi which is a key differentiator for the air taxi operator.

“With with our landing gear we help to shape this very new, promising application of manned, autonomous civil aviation. This involvement also demonstrates our wide range of services. From engineering, to prototype manufacture, to serial production with our own materials – all of our competences along the entire value chain made a contribution to the project,” emphasizes Dr. Andreas Erber, Head of the Aerospace segment of the Composites – Fibers & Materials business unit at SGL Carbon.

The landing gear was developed in close collaboration between customer experts and specialists from SGL Carbon. The carbon fibers for the component are produced at the SGL Carbon plant in Muir of Ord, Scotland. The final part is being manufactured at the SGL Carbon site in Innkreis, Austria.

About SGL Carbon

SGL Carbon is a technology-based company and world leader in the development and production of carbon-based solutions. Its high-quality materials and products made from specialty graphite and composites are used in industrial sectors that determine the future: automotive, aerospace, solar and wind energy, semiconductor and LEDs as well as in the production of lithium-ion batteries, fuel cells and other energy storage systems. In addition, SGL Carbon develops solutions for chemical and industrial applications.

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In 2018, SGL Carbon SE generated sales of around 1 billion euros. The company has approx. 5,100 employees at 31 locations in Europe, North America, and Asia.

Materials, products and solutions from SGL Carbon are embedded in the major topics of the future: sustainable mobility, new energies and cross-industry digitization. Further developments in these areas demand more intelligent, more efficient, networked and sustainable solutions. This is where the entrepreneurial vision of SGL Carbon evolves around: contributing to a smarter world.

Further information on SGL Carbon can be found at www.sglcarbon.com/press.

Important note:

To the extent that our press release contains forward-looking statements, the latter are based on information that is available at present and on our current forecasts and assumptions. Forward-looking statements, by their very nature, entail known as well as unknown risks and uncertainties that may lead to actual developments and events differing substantially from the forward-looking assessments. Forward-looking statements must not be understood to be guarantees. Instead, future developments and events depend on a large number of factors; they comprise various risks and imponderables and are based on assumptions that may possibly turn out not to be appropriate. These include unforeseeable changes to fundamental political, economic, legal and societal conditions, particularly in the context of our main customers' industries, the competitive situation, interest and exchange rate trends, technological developments as well as other risks and uncertainties. We perceive additional risks e.g. in pricing developments, unforeseeable events in the environment of companies acquired and Group member companies as well as in current cost savings programs from time to time. The SGL Carbon assumes no obligation and does not intend to adjust or otherwise update these forward-looking statements either.

SGL Carbon SE

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