

**The climate-friendly carbon fiber from SGL Carbon - up to 50% less CO<sub>2</sub> emissions**

- Use of predominantly renewable energies
- Commissioning of a biomass plant at the Lavradio site (Portugal) at the beginning of 2024
- Consistent continuation of the SGL Carbon climate strategy

SGL Carbon relies on climate-friendly manufacturing processes in the production of its own carbon fibers. By using renewable energy, the carbon footprint of SGL fiber can be reduced by up to 50% compared to a conventional fiber\*. The carbon fibers from SGL Carbon are therefore not only characterized by high tensile strength and high stiffness with low weight, but also by being climate friendliness.

**Use of a climate-friendly energy mix at the Moses Lake site (USA)**

SGL carbon fiber is produced at the Lavradio (Portugal) and Moses Lake (USA) sites. SGL Carbon made a conscious decision to produce at the Moses Lake site back in the 1990s. The use of hydropower as an energy source played a decisive role in the choice of location. As a result, around 75,000 tonnes of CO<sub>2</sub> can be saved in Moses Lake by purchasing electricity from hydropower plants compared to a fossil fuel-based electricity mix.

**Installation of a biomass plant at the Lavradio site (Portugal)**

As part of the consistent implementation of its climate strategy, SGL Carbon will be using a CO<sub>2</sub>-neutral biomass system to generate energy from the beginning of 2024, which will make the production system, which was previously based on natural gas, more flexible and climate-friendly. At full capacity, the biomass system in Lavradio can save more than 90,000 tons of CO<sub>2</sub>.

The raw material used is wood pellets, which are sourced from within a radius of 250 kilometers. This means that SGL Carbon also attaches great importance to short transportation routes and thus to climate protection when sourcing biomass.

**Resource-friendly carbon fiber production using hydropower and biomass**

The climate-friendly energy supply at the site in Moses Lake (USA) combined with the new biomass plant in Lavradio (Portugal) lead to a reduction in CO<sub>2</sub> emissions of up to 50% in the production of SGL's own carbon fibers compared to conventional fibers\*. With the investment in the biomass system, SGL Carbon is consistently pursuing its climate strategy. The target is to save 50% CO<sub>2</sub> emissions (Scope 1 and 2) by the end of 2025 compared to the base year 2019 and to be climate-neutral in Scope 1 and 2 by the end of 2038. In the period 2019 to 2022, SGL Carbon has already reduced its CO<sub>2</sub> emissions by 17%.

\* Based on statistical data from the GaBi life cycle assessment database.

## 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 cell and other energy storage systems. In addition, SGL Carbon develops solutions for chemical and industrial applications. 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.

In 2022, SGL Carbon SE generated sales of around 1.1 billion euros. The company has approx. 4,750 employees at 29 locations in Europe, North America, and Asia.

Further information on SGL Carbon can be found at [www.sglcarbon.com/press](http://www.sglcarbon.com/press).

### Important Notice:

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**  
**Claudia Kellert**  
**Head of Capital Markets & Communications**  
Söhnleinstrasse 8  
65201 Wiesbaden/Germany

Phone +49 611 6029-100  
[presse@sglcarbon.com](mailto:presse@sglcarbon.com)  
[www.sglcarbon.com](http://www.sglcarbon.com)

 [LinkedIn](#)  
 [Facebook](#)

\* Based on statistical data from the GaBi life cycle assessment database.