

SGL Group presents integrated solutions at COMPOSITES EUROPE

- From fibers to composite components
- Premiere of bicycle components based on TowPregs

Wiesbaden, August 7, 2017. At this year's COMPOSITES EUROPE from September 19 to 21 in Stuttgart, Germany, SGL Group will showcase its expertise across the entire composites value chain, including new duroplastic and thermoplastic materials, as well as component exhibits featuring Volvo leaf springs and a CFC crossbeam. SGL will also present its latest development in the area of composites: bicycle components made with carbon fiber TowPregs, produced in collaboration with AMC (Automotive Management Consulting) using their proprietary technology called "xFK in 3D".

The impregnated fibers for this innovative production process come from SGL: SIGRAPREG® TowPregs made of carbon and glass fibers are ideal for automated production processes and result in outstanding mechanical properties given their width consistency and high winding accuracy. In addition, they could also be produced with SGL's new snap-cure prepreg resin systems that are currently under development. This would be an optimal solution to the serial production requirements of the automotive industry. AMC's patent-pending "xFK in 3D" technology can be described as a winding process that uses calculations and simulations to produce 3D fiber-reinforced components. The advantages: fiber placement tailored to the force and stress requirements as well as minimal material waste.

Another inspiring experience awaiting visitors to the SGL booth is a virtual presentation of the new Lightweight and Application Center (LAC) at the Meitingen site. With virtual reality glasses, visitors have the opportunity to witness the entire range of engineering services offered by the LAC team as well as how tailor-made composite solutions are developed. Right from supporting the basic idea of a composite structure, to concept and prototype development through to serial application – the LAC offers a broad spectrum of services.

Another highlight of this year's trade show will be a newly set up innovation area called "COMPOSITES Process Chain" which will present SGL's comprehensive product range covering the entire value chain of composite components. Visitors of this innovation showcase initiative can experience the entire range of products that SGL has to offer, from fibers to components including the exhibition of the BMW 7 Series Carbon Core body.

Visit us at the Composites Europe 2017 in Stuttgart in Hall 6, Booth 6/D10, or stop by the fair's innovation area in Hall 4, Booth 4/C31.

About the SGL Group – The Carbon Company

The SGL Group is a leading manufacturer worldwide of products and materials made from carbon. The extensive product portfolio ranges from carbon and graphite products, carbon fibers all the way through to composites. The SGL Group's core expertise comprises the control of high-temperature technologies as well as the deployment of many years' application and engineering know-how. This is used to exploit the company's wide materials base. These carbon-based materials combine a number of unique material properties such as very good conductivity of electricity and heat, resistance to heat and corrosion as well as lightweight construction coupled with high firmness. The level of demand for the SGL Group's high-performance materials and products is increasing due to the industrialization of the growth regions of Asia and Latin America and the ongoing substitution of traditional construction materials by new materials. The SGL Group's products are deployed in the automotive and chemicals industries as well as in the semiconductor, solar, LED industry segments and in the field of lithium-ion batteries. Carbon-based materials and products are also used in wind energy, aviation and space travel as well as in the defense industry.

With 33 production locations in Europe, North America and Asia as well as a service network in over 100 countries, the SGL Group is an enterprise with a global orientation. In the 2016 financial year, approx. 4,000 employees generated 769.8 million euros in sales revenue. Its Head Office is based in Wiesbaden / Germany.

Further particulars on the SGL Group can be found in the Newsroom of the SGL Group at www.sglgroup.com/press and at www.sglgroup.com.

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, such as electric steelmaking, 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 Group assumes no obligation and does not intend to adjust or otherwise update these forward-looking statements either.

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