Press Release

SGL Carbon and Solvay collaborate to develop highly-competitive advanced carbon fiber composites for aerospace primary structures

SGL Carbon and Solvay have entered into a joint development agreement (JDA) to bring to market the first composite materials based on large-tow intermediate modulus (IM) carbon fiber. These materials, which address the need to reduce costs and CO_2 emissions, and improve the production process and fuel efficiency of next-generation commercial aircraft, will be based on SGL Carbon's large-tow IM carbon fiber and Solvay's primary structure resin systems.

The agreement encompasses both thermoset and thermoplastic composite technologies. It builds on Solvay's leadership in supplying advanced materials to the aerospace industry and SGL Carbon's expertise in high-volume carbon fiber manufacturing.

"For Solvay, this is an opportunity to lead the aerospace adoption of a composite material based on 50K IM carbon fiber. This is a highly competitive value proposition that brings more affordable high-performance solutions to our customers. We see this as the first step in a long-term partnership," said Augusto Di Donfrancesco, member of Solvay's executive committee.

"By combining SGL's carbon fiber expertise in our newly developed, unique 50K IM fiber with Solvay's resin formulation and aerospace market expertise, both partners are aiming to develop an advanced aerospace material system. This alliance supports our strategic direction and accelerates our growth in the attractive aerospace market," said Dr. Michael Majerus, spokesman of the management board of SGL Carbon.

Composite materials for aerospace applications represent a multi-billion-dollar market that is expected to grow strongly in the coming decade. Solvay and SGL Carbon are uniquely positioned to develop solutions to address the needs of this market.

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

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.

About Solvay

Solvay is an advanced materials and specialty chemicals company, committed to developing chemistry that addresses key societal challenges. Solvay innovates and partners with customers worldwide in many diverse end-markets. Its products are used in planes, cars, batteries, smart and medical devices, as well as in mineral and oil and gas extraction, enhancing efficiency and sustainability. Its lightweighting materials promote cleaner mobility, its formulations optimize the use of resources, and its performance chemicals improve air and water quality.

Solvay is headquartered in Brussels with around 24,500 employees in 62 countries. Net sales were €10.3 billion in 2018, with 90% from activities where Solvay ranks among the world's top 3 leaders, resulting in an EBITDA margin of 22%. Solvay SA (SOLB.BE) is listed on Euronext Brussels and Paris Bloomberg: SOLB.BB - Reuters: SOLB.BR), and in the United States its shares (SOLVY) are traded through a level-1 ADR program. (*Financial figures take into account the planned divestment of Polyamides*).

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.

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