

Solvay, Premium AEROTEC and Faurecia launch Thermoplastic Composites research consortium (IRG CosiMo) with ITA-Augsburg

Alpharetta, GA August 2nd, 2018 --- Solvay, Premium AEROTEC and Faurecia Clean Mobility are proud to launch IRG CosiMo (Industry Research Group: Composites for Sustainable Mobility), the industry's first private consortium focusing on the development of materials and process technologies that will enable the high volume production of thermoplastic composites for both the Aerospace and Automotive markets.

Through a 3 year commitment, Solvay, Premium AEROTEC and Faurecia Clean Mobility will bring together their expertise, capabilities and resources to hit the R&D milestones set to meet the industry's growth expectations and offer solutions for sustainable mobility. Composite adoption, industrialization and accelerating automotive and aerospace ramp rates are all key focus areas that will be addressed by the IRG CosiMo consortium.

Premium AEROTEC, Faurecia Clean Mobility and ITA Augsburg are also part of an upcoming large project consortium in the Campus Carbon 4.0 program of the Free State of Bavaria, Germany. This public sponsored consortium (CC4.0 CosiMo) is going to develop new materials and processes for in-situ polymerization of Caprolactam to Polyamide 6 for high volume applications in automotive. IRG CosiMo, an extension of this consortium, aims to focus on a wider range of thermoplastic materials and processes. As a partner of IRG CosiMo, the Institute of Textile Technology Augsburg gGmbH (ITA Augsburg) will host and project manage the consortium, coordinate the scientific research program and operate the equipment used for processing new materials into tape and web based thermoplastic composites. All machines will be installed in the Technologiezentrum Augsburg (TZA), the core infrastructural element of Augsburg Innovationspark. In collaboration with IRG CosiMo Premium Partners, all installed equipment can also be used by companies interested to benefit from the network. Sharing infrastructure and equipment through open innovation is a highly efficient way to encourage the development of new materials, data driven process controls and robust automated manufacturing processes for serial production, without interrupting industrial plants.

ITA, a unique textile research facility, is focusing on the development of thermoplastic tape- and web based composite systems and will bring a lot of scientific knowledge to the group. ITA Augsburg initiated IRG CosiMo as part of a strategic, branch overlapping approach to push innovation in thermoplastic composites including recycled fiber materials. This unique private consortium allows demand-driven networking with short decision-making processes to maximize customer benefits.



On the Picture (ITA Augsburg) from left to right:

- Rob Blackburn (Solvay) - Application Engineering Director;
- Guillaume Morales (Faurecia) - Program Development Leader
- Reinhard Schaefer (Faurecia) - Engineering Director Ultra-Light Weight Structures
- Helge von Selasinsky (ITA) - General Manager
- Kim Gingras (Solvay) - Thermoplastic Composites Incubator Director
- Jochen Scholler (Premium AEROTEC) - Manufacturing Engineer
- Prof. Dr.-Ing. Stefan Schlichter (ITA) - Managing Director
- Dr.-Ing. Daniel Hartung (Premium AEROTEC) - Head of Numerical Simulation
- Joachim Nägele (Premium AEROTEC) - Managing Director Programs and Sales
- Johannes Treiber (Solvay) - Senior Applications Engineer

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About Solvay Composite Materials

Solvay's new Global Business Unit Composite Materials is a global provider of technologically advanced lightweighting material solutions that enable our customers in the aerospace, automotive and other demanding industries to design, develop and efficiently manufacture high-quality, high-performance and complex composite structures. Composite Materials has the most extensive product portfolio, including prepregs, resin systems, adhesives and surfacing films, carbon fiber, textiles, tooling and vacuum bagging consumables, thanks to its leadership in advanced materials science, chemistry and application engineering. Solvay Composite Materials combines the former Cytec Aerospace Materials and Industrial Materials businesses.

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 26,800 employees in 61 countries. Net sales were €10.1 billion in 2017, 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 announced divestment of Polyamides.*

About ITA Augsburg – Institut für Textiltechnik Augsburg

ITA Augsburg is an affiliated institute to Augsburg University and part of ITA Group (RWTH Aachen University). It focuses on processing of fibers to nonwoven web based composites, e. g. recycled carbon fibers. Furthermore processing of thermoplastic matrices in injection molding and in-situ polymerization based processes lie in the scope of ITA Augsburg.

For further information see: www.ita-augsburg.de

About Faurecia Clean Mobility

Faurecia Clean Mobility (FCM) is a world leading 1st tier supplier for automotive and truck parts and applications.

Faurecia Clean Mobility is one of the premium partners in IRG CosiMo and represents all demands coming from the automotive and truck industry.

For further information see: www.faurecia.com

About Premium AEROTEC

Premium AEROTEC is a global player in the aerospace industry and generated revenues of 2 billion euros in 2017. The company's core business lies in the development and production of metal and carbon fiber composite aircraft structures. The company has sites in Augsburg, Bremen, Hamburg, Nordenham and Varel in Germany, as well as in Braşov in Romania.

For further information see: www.premium-aerotec.com

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