Press release

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Grant of £100K from Innovate UK to develop novel material for the UK aerospace sector

Nexam Chemical has been selected as a key partner in the "TAPE Extreme" project, financed by Innovate UK, targeting development of advanced temperature resistant composites for the UK aerospace sector. Nexam Chemical adds competencies within chemistry, polymers and resins to the consortium, and has been awarded a £100K grant with the objective of developing novel materials that can replace metals in jet engines.

Nexam Chemical St. Andrews has, together with partners from the whole value chain, been selected as a key partner in the project, dubbed "Advanced Thermoformable Cross-linking Resin Unidirectional Tapes", which consists of a consortium of commercial players within composites and aerospace, in partnership with the University of Sheffield. Nexam Chemical's part of the grant is £100K, which will primarily be used for R&D activities.

The project's main objective is to drive replacement of metals like titanium and other alloys with novel high temperature resistant composites in jet engines, leading to lighter components and resulting fuel savings. The technology is intended for primarily civil aviation applications, where the largest commercial potential lies. The project is a part of Innovate UK, which strives to strengthen local UK aerospace sector, and supports local OEM:s, such as Boeing, Rolls-Royce and GKN.

"Nexam Chemical St. Andrews has been selected to participate in the project, based on our competencies within chemistry, polymers and resins, where the aim is to develop dry unidirectional tape, without solvents. It is a recognition of our market leading position and technical expertise in design and synthesis of polyimide resins and so-called end-cappers for polyimides.", says Christer Svanberg, CTO of Nexam Chemical.

"Nexam Chemical already has a solid footprint within high temperature composites in the US, primarily aimed at military applications. We are therefore pleased to be selected to take part in this project, which can contribute to driving the development towards more high temperature composites in the UK and especially within civilian aviation.", says Ronnie Törnqvist, CEO of Nexam Chemical.

Note: This press release has been translated from Swedish. The Swedish text shall govern for all purposes and prevail in case of any discrepancy with the English version.

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About Nexam Chemical

Nexam Chemical develops technology and products that make it possible to significantly improve the production process and properties of most types of plastics in a cost-effective manner and with retained production technology. The improved properties include strength, toughness, temperature and chemical resistance as well as service life. The improvements in properties that can be achieved by using Nexam Chemical's technology make it possible to replace metals and other heavier or more expensive materials with plastics in a number of applications. In applications where plastic is already used, Nexam Chemicals products can improve the manufacturing process, reducing material use and enable more environmental friendly alternatives. Example of commercial applications: pipe manufacturing, foam production and high-performance plastics. More information about the business will be found on www.nexamchemical.com. The company´s Certified Adviser is FNCA Sweden AB. FNCA Sweden AB can be reached at info@fnca.se or by phone +46-8 528 00 399.