

Evonik joins CPCIF to promote chemical solutions for automotive industry

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- Evonik will cohost the session on lightweight automotives at CPCIC 2014
- Evonik is a development partner for new technologies for the automotive industry

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As one of the world leaders in specialty chemicals, Evonik Industries will attend the 2014 China Petroleum & Chemical International Conference (CPCIC) in Tianjin, China from 11 September to 12 September as a main sponsor. Evonik will also co-host the session on lightweight automotives during the conference. Experts from industry associations, OEMs and suppliers will share their views about lightweight design technologies, development trends, technical issues and how to promote and implement lightweight solutions for Chinese automotive industry.

“Evonik’s activities are geared to the megatrends of Resource efficiency, Health, Nutrition and Globalization and we are committed to solve the challenging problems emerging globally. Lightweight design solution is an example of our dedication and commitment for meeting global challenges like resource efficiency,” said Eckart Ruban, who heads the Automotive Industry Team at Evonik. “As a development partner for new technologies, we are determined to push on new material concepts in the automotive industries and boost the necessary innovation speed.”

Broad solutions for automotive lightweight design

Evonik offers broad solutions for lightweight design, from innovative polymer glazing, sandwich composites with ultra light structural foams and fast curing resins, plastic and metal hybrid parts with adhesive to metal replacements with high performance materials.

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The Roewe E50 featured at the Evonik booth at CPCIC 2014 presents our various applications to support reduced energy consumption and lower emissions. For example, the use of Evonik's PLEXIGLAS® – a coated PMMA to replace traditional mineral glass – in Roewe E50 reduces weight of the rear window up to 40–50%. The advantages of PLEXIGLAS® glazing include UV stability and good acoustic properties, which means added value for the vehicle as a whole. The engine hood of Roewe E50 uses the structural foam ROHACELL® developed by Evonik. This material is used as core in sandwich structures. Compared to a steel engine hood, the sandwich version saves up to 70% of weight. With the aim to support high output production of composite body parts, a new epoxy resin formulation based on VESTAMIN® hardener technology was used in the resin infusion manufacturing process. Short cycle times can be realized to be able to fit for mass production.

A committed development partner for new technologies for the automotive industry

Automotive is a key industry for Evonik. The global working Automotive Industry Team (AIT) bundles the automotive competencies of the Business Units and operates as a development partner for new technologies. In its work with the automotive industry and other project partners, AIT is a constant source of ideas for the mobility of the future. As part of these efforts, specialists from various business units of the company develop innovative automotive material solutions in fields of development such as lightweight construction, fuel economy, and lighting and surface technologies. The China AIT also closely works with major Chinese OEMs, in order to further product development and to create custom solutions for the new demands of the Chinese automotive market.

Company information

Evonik, the creative industrial group from Germany, is one of the world leaders in specialty chemicals. Profitable growth and a sustained increase in the value of the company form the heart of Evonik's corporate strategy. Its activities focus on

the key megatrends health, nutrition, resource efficiency and globalization. Evonik benefits specifically from its innovative prowess and integrated technology platforms. Evonik is active in over 100 countries around the world. In fiscal 2013 more than 33,500 employees generated sales of around €12.7 billion and an operating profit (adjusted EBITDA) of about €2.0 billion.

Evonik Industries has been producing specialty chemical products in the Greater China region (Mainland China, Hong Kong and Taiwan) since the late 1970's; with wide-ranging trading relations already in place prior to this in the region. Evonik regards Greater China as one of the driving forces of the global economy and we consequently endeavour to grow our business in the region. The company now has around 3,200 employees in the Greater China region, the regional sales reached over €1 billion in 2013.

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