



DOW CORNING

Press Information

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Dow Corning Expert to Highlight How Silicone-based Solutions Are Enabling Next-Generation Batteries at Advanced Automotive Battery Conference 2017

Application engineer Sandrine Teixeira available onsite at Mainz, Germany event to discuss Dow Corning advanced thermal management technology

SENEFFE, BELGIUM – January 26, 2017 – Sandrine Teixeira, application engineer for Transportation Advanced Assembly at Dow Corning, will present a poster at the 2017 Advanced Automotive Battery Conference in Mainz, Germany, highlighting the thermal management benefits that high-performance silicones offer to designers of today's automotive batteries.

Co-authored with Dow Corning experts Darren Hansen, Justin Bult and Pierre Descamps, the poster outlines the broad functional options that silicones provide, including adhesives that reduce the need for mechanical fastening, gap fillers that help relieve mechanical stress and dampen vibration, encapsulants and gels that deliver durable protection of sensitive components and even dispensable thermal pads, which facilitate high throughput production. Importantly, the poster notes, silicones spanning all of these functions can often deliver far better thermal management options for high-power battery components compared to organic solutions.

Titled "*Advanced Silicone Materials for Electric Vehicle Electronics and Battery Packs,*" Dow Corning's poster digs more deeply into the technical considerations that battery designers should know when applying these materials.

Sandrine Teixeira will be available during the Conference to meet with media and answer any questions. To arrange an interview, please see the contacts below.

About Dow Corning

Dow Corning (dowcorning.com), a wholly owned subsidiary of The Dow Chemical Company, provides performance-enhancing solutions to serve the diverse needs of more than 25,000 customers worldwide. A global leader in **silicones**, silicon-based technology and **innovation**, Dow Corning offers more than 7,000 products and services via the company's Dow Corning® and **XIAMETER**® brands. More than half of Dow Corning's annual sales are outside the United States. Dow Corning's global operations adhere to the American Chemistry Council's Responsible Care® initiative, a stringent set of standards designed to advance the safe and secure management of chemical products and processes.

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About Dow

Dow (NYSE: DOW) combines the power of science and technology to passionately innovate what is essential to human progress. The Company is driving innovations that extract value from material, polymer, chemical and biological science to help address many of the world's most challenging problems such as the need for clean water, clean energy generation and conservation, and increasing agricultural productivity. Dow's integrated, market-driven, industry-leading portfolio of specialty chemical, advanced materials, agrosiences and plastics businesses delivers a broad range of technology-based products and solutions to customers in approximately 180 countries and in high-growth sectors such as packaging, electronics, water, coatings and agriculture. In 2015, Dow had annual sales of nearly \$49 billion and employed approximately 49,000 people worldwide. The Company's more than 6,000 product families are manufactured at 179 sites in 35 countries across the globe. On June 1, 2016, Dow became the 100 percent owner of Dow Corning Corporation's silicones business, a global company with sales of greater than \$4.5 billion in 2015, 25 manufacturing sites in 9 countries and approximately 10,000 employees worldwide. References to "Dow" or the "Company" mean The Dow Chemical Company and its consolidated subsidiaries unless otherwise expressly noted. More information about Dow can be found at www.dow.com.

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