

## 21.04.2015 Dana at the 2015 Hannover Trade Fair: Advancements in Fuel Cell Components

Dana Holding Corporation/ Reinz-Dichtungs-GmbH presented its innovative metallic bipolar plate technology and other fuel cell components at the 2015 Hannover Trade Fair from April 13 to 17.

The company also provided a detailed overview of its fuel cell work as a participant in the Auto-Stack CORE coalition. This coalition aims to establish a core industrial network of highly productive companies and organizations in European fuel cell research. The stack which the coalition developed was on display at Dana's booth.

Dana also presented its complete range of fuel cell products and thermal management systems in hall 27 of the Hannover Trade Fair. The exhibits included bipolar plates made of pressed graphite composite material, catalytic reactors for hydrogen reforming and fuel cell balance-of-plant components, as well as coolers for lithium-ion batteries and insulated-gate bipolar transistors (IGBT) used in electronic components for power generation.

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"As the demand for clean, efficient resources continues to rise, we at Dana are continuously innovating and focusing on alternative power sources," said Dwayne Matthews, president of Dana's Power Technologies Group. "Our contributions to the Auto-Stack CORE coalition serve as impressive evidence of our leadership in this extremely important sector of industry, and we look forward to achieving even greater successes in the near future with this Project."

The Auto-Stack CORE coalition is composed of 14 organizations, including original-equipment manufacturers (OEMs), automotive suppliers, and research institutions. Each of them (including Dana) offers valuable expertise in a range of fuel cell capacities. The project was launched in 2013 with the companies collaborating to develop best-in-class automotive fuel stack hardware.

Dana's most significant contribution to the project, optimized metallic bipolar plates, has assisted the coalition in developing a stack that achieves greater power density and performance than a traditional stack, while reducing the overall cost. The next step will be to enhance each component and ultimately develop fuel cell stack architecture ready for production. The project is expected to be completed with production-capable components in 2016.

In its efforts to make fuel cells safer, more durable and effective, Dana

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and the Auto-Stack CORE coalition also are working to provide a more cost-effective solution. As a world leader in the development and manufacture of fuel cell stack components, Dana has focused on reducing the costs associated with fuel cell technology, as the company hopes to lower this barrier so that fuel cell vehicles will become much more attractive in the future.

#### About Dana Holding Corporation

Dana is a leading international supplier of drive trains, sealing systems and thermal management products. The technologies engineered by Dana enhance the efficiency and performance of passenger cars, utility vehicles and off-road vehicles, utilizing both conventional and alternative drive concepts.

Serving three primary markets – passenger vehicle, commercial truck, and off-highway equipment – Dana provides the world's original-equipment manufacturers and the aftermarket with local product and service support through a network of nearly 100 engineering, manufacturing, and distribution facilities.

Founded in 1904 and based in Maumee, Ohio, the company employs approximately 23,000 people in 25 countries on six continents. In 2014, Dana generated sales of \$6.6 billion. Further information can be

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### About Dana Incorporated

Dana is a leader in the design and manufacture of highly efficient propulsion and energy-management solutions that power vehicles and machines in all mobility markets across the globe. The company is shaping sustainable progress through its conventional and clean-energy solutions that support nearly every vehicle manufacturer with drive and motion systems; electrodynamic technologies, including software and controls; and thermal, sealing, and digital solutions.

Based in Maumee, Ohio, USA, the company reported sales of \$10.3 billion in 2024 with 39,000 people in 30 countries across six continents. With a history dating to 1904, Dana was named among the "World's Most Ethical Companies" for 2023 and 2024 by Ethisphere and as one of "America's Most Responsible Companies 2023" by Newsweek. The company is driven by a high-performance culture that focuses on valuing others, inspiring innovation, growing responsibly, and winning together, earning it global recognition as a top employer.

Learn more at [dana.com](http://dana.com).

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