

Expanding global leadership in catalysts

Chemical giant BASF serves a variety of industry verticals around the world. The automotive industry is one of its key customers: in 2016, BASF's automotive driven sales represented approximately 17 percent of BASF Group's sales. To help meet growing demand in this space, the company recently completed an investment to expand production of its mobile emissions catalysts manufacturing site in Huntsville, Alabama. Brent Bibbee is the Engineering and Maintenance Manager and Interim Site Director for BASF's Mobile Emissions Catalyst Plant at the Huntsville site, explains that the most recent Huntsville expansion addresses heavy duty and medium duty diesel engine requirements.

There are currently close to a billion cars on the roads worldwide, and nearly 200 million trucks, and the automotive catalyst is incorporated into nearly every vehicle. In this global market, BASF is a world leader in terms of both catalyst innovations and in global supply volume. With an extensive range of products, BASF is the world's leading chemical supplier to the automotive industry. As the global leader in catalysis, specifically, the company has unsurpassed expertise in developing innovative emission control technologies for a wide range of applications.

Mr. Bibbee emphasizes BASF's reputation as an innovator in this space: the company has twice as many emissions catalysts patent applications

over the last 6 years as its nearest competitor. He highlights their new Four-Way Conversion catalyst (FWC™), which combines the functionality of a Three-Way Conversion catalyst with a filter to remove all four pollutants – namely particulate matter, carbon monoxide, hydrocarbons and nitrogen oxides – from gasoline-engine exhaust with just one component. "This helps automotive manufacturers meet strict emissions regulations, including Euro 6 with "Real World Driving Emissions" (RDE) limits, while minimizing negative effects on the engine's performance and fuel consumption. Our customers can benefit from the reduction in system complexity, tooling and overall system cost. We are very proud that the series production of the FWC starts this

year at our production site in Nienburg, Germany."

BASF's Huntsville, Alabama production facility is their largest catalyst production site in North America. It recently reached a historic milestone with the production of its 400 millionth catalyst, 43 years after production started at the site. The recent expansion of the site helps BASF meet the increase in demand for advanced emissions control solutions and help customers comply with increasingly stringent emissions requirements. "Furthermore, the expansion will produce advanced heavy duty diesel emissions catalysts, which will allow us to better serve the emission needs in the North American region," Mr. Bibbee states.

He adds that their continued investment in research and development, coupled with ongoing expansion investments in their production facilities in multiple regions, make a strong statement about BASF's commitment to this industry. "Our customers continue to look to BASF when designing their engine after-treatment systems and we're committed to making them successful today and in the future."



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