CONEXPO-CON/AGG 2011: Bosch Emission Systems Launches Series Production for Exhaust-Gas Aftertreatment, On- and Off-Road Applications

FARMINGTON HILLS, Mich. – Bosch Emission Systems has begun series production for its exhaust-gas aftertreatment systems for on-highway and off-highway applications.

This new joint venture between Bosch, Deutz and Eberspächer, manufactures and supplies exhaust-gas aftertreatment systems, as well as engineering services for the design, optimization and calibration of such systems. Engineering services are available for engine and vehicle manufacturers worldwide and are focused on applying vehicle-specific solutions for exhaust-gas treatment to a number of applications, including mobile machinery, forklift trucks, stationary machinery, buses and local authority vehicles. The joint venture recently established a U.S. sales, applications and preparation office in Farmington Hills, Mich.

“Many countries are beginning to enforce stricter exhaust gas limits for on- and non-road applications, and to date these limits have been met by improvements to the engine,” said Wolfgang Albrecht, general manager for Bosch Emission Systems. “We anticipate a substantial increase in demand for complex exhaust-gas aftertreatment systems that comply with these new emission standards because engine improvements alone can’t meet these new demands. Our team is able to design systems to suit any vehicle or machine.”
Full-range of Emission Products Help Meet Emissions Standards
The Bosch Emission System's individual product range includes diesel particulate filters, diesel oxidation catalysts, SCR catalytic converters and the associated tubing, urea metering systems, sensors, AdBlue® tanks and all the additional components needed for a complete exhaust-gas treatment system.

The company's complete emission system is capable of achieving very high conversion rates of nitrogen oxide through the addition of AdBlue® by the Bosch Denoxtronic, followed by an optimized reduction in the SCR catalytic converter. This precision process ensures there is always exactly the right preparation of agent for the operating values of the engine and SCR catalyst.

The particulate reduction requirements are carried out by the diesel particulate filter, while an optional burner system and the diesel oxidation catalytic converter ensure the necessary regeneration temperature to keep the system operating smoothly.

For engines larger than 560 kW, Bosch Emission Systems develops and manufactures individual solutions to meet customer requirements.

Bosch Emission Systems also has developed a standalone retrofit system for particulate matter and nitrogen oxide reduction, which is ready for pilot applications as a part of the complete verification process.

Bosch Emission Systems Exhibits at CONEXPO-CON/AGG
The Bosch Emission Systems group will be exhibiting at the CONEXPO-CON/AGG show at the Las Vegas Convention Center in Las Vegas on March 22-26 in booth S-13115. The exposition is an international gathering held every three years, showcasing the latest equipment, products, services and technologies in the construction industries.

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The Bosch Group is a leading global supplier of technology and services. According to preliminary figures, some 283,500 associates generated sales of 47.3 billion euros ($62.7 billion) in the areas of automotive and industrial technology, consumer goods, and building technology in fiscal 2010. The Bosch Group comprises Robert Bosch GmbH and its more than 300 subsidiaries and regional companies in over 60 countries. If its sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Bosch spent some four billion euros ($5 billion) for research and development in 2010, and applied for over 3,800 patents worldwide. With all its products and services, Bosch enhances the quality of life by providing solutions which are both innovative and beneficial. Bosch is celebrating its 125th anniversary in 2011.

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