



## **Beyond BS VI: BorgWarner Presents Clean and Efficient Technologies at SIAT EXPO in Pune, India**

- *BorgWarner's products support automakers in meeting BS VI emissions standards*
- *Extensive portfolio of clean solutions for combustion, hybrid and electric vehicles*
- *Visit the company at booth 222 in hall B from January 16 to 18, 2019*

*Auburn Hills, Michigan, December 14, 2018* – The high level of air pollution and Bharat Stage (BS) VI emission standards have been discussed widely and are still a much-debated topic within the Indian automotive industry. As a global product leader in technology solutions for all kinds of propulsion systems, BorgWarner displays its extensive portfolio of clean and efficient products that help automakers meet the future standards at the SIAT EXPO 2019 in Pune, India. The company presents its emission-reducing and performance-optimizing technologies at booth 222 in hall B from January 16 to 18, 2019. Among BorgWarner's exhibits are exhaust gas recirculation (EGR) technologies, the advanced exhaust heat recovery system (EHRS), variable turbine geometry (VTG) turbocharger solutions and variable cam timing (VCT) technology.

"We at BorgWarner are constantly working on improving our technologies in terms of fuel efficiency and performance. In this way, we aim to support all customers in meeting local emission standards like BS VI," said Scott Gallett, Vice President, Marketing, Public Relations and Government Affairs, BorgWarner. "The SIAT EXPO 2019 here in Pune is an ideal opportunity to present our broad range of solutions for cleaner future mobility, regardless of the propulsion system used."

### **Global Solutions for Local Challenges**

One effective solution for cleaner and healthier air in India is BorgWarner's EGR system. By redirecting a controllable percentage of exhaust gas back into the intake air, the company's innovation allows NO<sub>x</sub> emissions to be reduced significantly. The cost-effective method is applicable to a wide range of engines, where it optimizes heat absorption and reduces oxygen

concentration in the combustion chamber. Not only does the innovative solution resist high thermal loads – it also increases efficiency and offers durable performance, even with a minimum of coolant flow.

The company's EHRS combines advanced EGR technology with a waste heat recovery system (WHRS). By using the heat from the exhaust gas, which is usually wasted, the EHRS helps shorten the engine warm-up time, enhances efficiency, reduces emissions and improves fuel economy. Exhaust gas is routed through a heat exchanger, so that the thermal energy of the gas heats up the vehicle's subsystem fluids. The company's EHRS also allows mechanical losses to be reduced.

### **High Potentials Through Emission Standards**

The Indian market offers great growth potential for turbocharging solutions. The continued drive for fuel economy and the expected growth of the hybrid market share is driving the demand for clean and efficient turbocharging technologies. Diesel engines will become more efficient and cleaner with advanced VTG and regulated two-stage (R2S<sup>®</sup>) turbocharging solutions. The share of modern turbocharged, gasoline direct fuel injection engines is expected to grow, both for conventional and hybrid powertrains. Here, BorgWarner offers customers its gasoline VTG turbocharging solution, which provides smooth power delivery and excellent response while improving fuel efficiency and lowering emissions.

The exhibits showing BorgWarner's latest technologies in Pune will include its advanced VCT technology, which offers a decreased time to torque and improved noise, vibration and harshness (NVH). The solution also lowers power consumption and reduces the "time to pressure" requirements of the oil pump.

BorgWarner has gained comprehensive know-how in the field of emissions reduction worldwide. This enables the company to draw on experience when it comes to solutions that help automakers master the challenges posed by BS VI emissions standards. With four locations in India, BorgWarner has established a supplier base to provide local customers with its highly efficient technology solutions.

### **About BorgWarner**

BorgWarner Inc. (NYSE: BWA) is a global product leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles. With manufacturing and technical facilities

in 66 locations in 18 countries, the company employs approximately 29,000 worldwide. For more information, please visit [borgwarner.com](http://borgwarner.com).



Among BorgWarner’s exhibits at the SIAT EXPO 2019 in Pune, India are the advanced exhaust heat recovery system (EHRS) on the left-hand side and variable cam timing (VCT) technology on the right-hand side.

Statements in this press release may contain forward-looking statements as contemplated by the 1995 Private Securities Litigation Reform Act that are based on management’s current outlook, expectations, estimates and projections. Words such as “anticipates,” “believes,” “continues,” “could,” “designed,” “effect,” “estimates,” “evaluates,” “expects,” “forecasts,” “goal,” “initiative,” “intends,” “outlook,” “plans,” “potential,” “project,” “pursue,” “seek,” “should,” “target,” “when,” “would,” variations of such words and similar expressions are intended to identify such forward-looking statements. Forward-looking statements are subject to risks and uncertainties, many of which are difficult to predict and generally beyond our control, that could cause actual results to differ materially from those expressed, projected or implied in or by the forward-looking statements. These risks and uncertainties, among others, include: our dependence on automotive and truck production, both of which are highly cyclical; our reliance on major OEM customers; commodities availability and pricing; supply disruptions; fluctuations in interest rates and foreign currency exchange rates; availability of credit; our dependence on key management; our dependence on information systems; the uncertainty of the global economic environment; the outcome of existing or any future legal proceedings, including litigation with respect to various claims; and future changes in laws and regulations, including by way of example, tariffs, in the countries in which we operate, as well as other risks noted in reports that we file with the Securities and Exchange Commission, including the Risk Factors identified in our most recently filed Annual Report on Form 10-K/A. We do not undertake any obligation to update or announce publicly any updates to or revision to any of the forward-looking statements.

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