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Bosch Accelerates System Development with focus on Automated Driving Systems in Japan

New test vehicle added to Bosch's automated driving fleet

- ▶ Debut of a new automated driving test vehicle developed in Japan
- ▶ New organization established in Japan to provide dedicated support through integrated system development for Japanese automakers
- ▶ A cross-organizational approach across existing framework

Tokyo – Bosch, a leading global supplier for innovative technologies and services, has extended its test vehicle fleet to accelerate automated driving development in Japan. Moreover, to enhance its system development capabilities with focus on new technologies, Bosch has introduced cross-organizational system development in Japan.

New Test Vehicle with Highly Automated Driving Functions Developed in Japan

Bosch is currently developing automated driving in three locations: Germany, the United States, and Japan. In all these countries, the company has already successfully driven several test vehicles for more than 10,000 kilometers without an accident. With its development, Bosch is pursuing to make road traffic safer and more efficient. Now Bosch's automated driving development will see the addition of a new test vehicle developed in Japan. The new test vehicle is being developed to realize highway pilot, which allows cars to drive autonomously on freeways and freeway-like roads without driver's supervision. Since October 2015, the Japanese team has been working on achieving this technology. Development in Japan provides the company with highly valuable observations of automated driving due to the country's left-hand driving and uniquely complex traffic conditions.

System Development Capabilities Increased by New Organization Established for Advanced Technology

Bosch is successfully working on further improving each of its chassis system control components. In the future, this will remain essential. However, it is becoming important to consider broader interaction between components as well as to realize advanced system technology such as highly automated driving. To manage these challenges, Bosch has established a new organization, which is committed to system development. It allows its engineers to work across the existing framework as one unit. The system development organization is consisting of more than 60 experts with different engineering backgrounds. By increasing those capabilities and resources in Japan, Bosch is expanding the local support for its Japanese customers to become an even more valuable partner.

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Bosch in Japan is currently represented in the country by Bosch Corporation, Bosch Rexroth Corporation, Bosch Packaging Technology K.K. and other affiliates. Bosch Corporation is responsible for the development, manufacturing, sales and services of automotive original equipment, automotive aftermarket products and power tools. Bosch Engineering K.K. provides engineering services, such as development and application for automotive systems. ETAS K.K. develops and provides engineering of development support tools of electrical control units. Bosch Rexroth Corporation develops and manufactures hydraulics, FA module components and other systems which contribute to industrial technologies. Bosch Packaging Technology K.K. provides processing, packaging and inspection technology. Bosch Security Systems Ltd. provides security and communication products and solutions to help secure the safety of lives, buildings and properties, and is also a supplier of professional sound systems. In 2015, Bosch Japan achieved sales to third party of some 270 billion yen and employed approximately 6,600 associates.

*Additional information is available online at
<http://www.bosch.co.jp> Bosch Japan Website (Japanese)
<https://twitter.com/Boschjapan> Bosch Japan Twitter (Japanese)
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Mobility Solutions is the largest Bosch Group business sector. In 2015, its sales came to 41.7 billion euros, or 59 percent of total group sales. This makes the Bosch Group one of the leading automotive suppliers. The Mobility Solutions business sector combines the group's expertise in three mobility domains – automation, electrification, and connectivity – and offers its customers integrated mobility solutions. Its main areas of activity are injection technology and powertrain peripherals for internal-combustion engines, diverse solutions for powertrain electrification, vehicle safety systems, driver-assistance and automated functions, technology for user-friendly infotainment as well as vehicle-to-vehicle and vehicle-to-infrastructure communication, repair-shop concepts, and technology and services for the automotive aftermarket. Bosch is synonymous with important automotive innovations, such as electronic engine management, the ESP anti-skid system, and common-rail diesel technology.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 375,000 associates worldwide (as of December 31, 2015). The company generated sales of 70.6 billion euros in 2015. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiaries and regional companies in some 60 countries. Including sales and service partners, Bosch's

global manufacturing and sales network covers some 150 countries. The basis for the company's future growth is its innovative strength. Bosch employs 55,800 associates in research and development at 118 locations across the globe. The Bosch Group's strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life."

Additional information is available online at www.bosch.com, www.bosch-press.com, twitter.com/BoschPresse