

# Press release



**BOSCH**

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## **Bosch Japan and NTT DATA Enterprise Application Services Sign Partnership Agreement** **Joint Marketing of IoT Solutions to Japanese Manufacturing Clients**

- ▶ The two companies will combine their strengths to promote connected industry solutions and services
- ▶ Sales launch of Industry 4.0 solutions proven within the Bosch Group
- ▶ Enables Industry 4.0 systems with an excellent cost-performance ratio to be rolled out even faster

Tokyo – Bosch Corporation, a member of the Bosch Group, a leading global supplier of technology and services, and NTT DATA Enterprise Application Services Co., Ltd., ("NTT DATA EAS"; Chuo-ku, Tokyo) have announced that they have signed a partnership agreement to jointly propose IoT solutions to the Japanese manufacturing industry.

NTT DATA EAS has over 20 years of experience in the consulting, implementation & rollout, and support & maintenance of ERP solutions for multinational corporations. The two companies will jointly develop and market solutions for Connected Industry applications in Japan based on the expertise and sales network of NTT DATA EAS and the 'Bosch IoT Suite' IoT solution platform developed by Bosch. Bosch's solutions will be provided via the Bosch Group's software and system house, Bosch Software Innovations, which designs, develops, and implements software and IoT solutions.

The conclusion of this partnership will enable Bosch to propose solutions for cost reduction with business process re-engineering that it has developed in its own manufacturing sites to customers also in Japan. NTT DATA EAS will also provide the knowledge and experience of the manufacturing industry to propose this solution. As a first product, the two companies will launch Production Performance Manager (PPM) to Japanese customers. This solution has already

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been widely applied externally as well as within the Bosch Group. PPM analyzes data from manufacturing equipment and sensors, automatically notifies managers of any abnormalities, and also manages improvement history information. The system enables customers to rapidly implement Industry 4.0 solutions in a faster and more cost-effective manner without having to build their own IT systems.

NTT DATA EAS President Hideyuki Aoki commented on the new shape of manufacturing in Japan: "IoT Solution provided by Bosch has remarkable advantage among other IoT solutions in the market since most of them are still concept based. The reasons of advantages are actual development results in their own manufacturing site, empirical evidence in their effectiveness, and result of highly accumulated knowledge and experience. In addition, we, NTT DATA EAS, has rich experiences in supporting Japanese manufacturing corporations. I strongly believe that this partnership will contribute to productivity and business operation efficiency improvements for Japanese companies".

Bosch Japan President and Representative Director Udo Wolz commented on the partnership: "The monitoring of machines, manufacturing processes, and transport chains plays an important role in realizing Connected Industries. This is where cloud-based software solutions (Platform and Software as a Service, PaaS and SaaS) by Bosch Software Innovations come into the picture. Customers from the manufacturing and logistics sectors benefit from faster and more cost-effective implementation of their projects – without having to build their own IT systems. We are delighted to introduce solutions with proven performance in the Bosch Group to our customers in Japan. In our more than 250 plants worldwide, we've already launched over 150 projects. We intend to propose solutions that we realize through these projects to our Japanese customers."

#### **NTT DATA Enterprise Application Services, Co., Ltd.**

For over 20 years, NTT DATA Enterprise Application Services has provided comprehensive IT solutions such as system consulting, implementation & rollout, and support & maintenance for Japanese and foreign capital multinational companies based on our original delivery model of 6 Dimension Global Delivery Model with offshoring. With our basic concept of Global Support with Japanese Hospitality, the way of Japanese standard and hospitable support, NTT DATA Enterprise Application Services has brought a global IT support with global entities in the Americas, EMEA and Asia Pacific as NTT DATA Global Group companies.

## **Bosch Software Innovations**

Bosch Software Innovations, the Bosch Group's software and systems house, designs, develops, and operates innovative software and system solutions that help our customers around the world both in the Internet of Things (IoT) and in the traditional enterprise environment. We place particular focus on the topics of mobility, energy, manufacturing, and building. The Bosch IoT Suite is Bosch Software Innovations' comprehensive toolbox in the Cloud. The software package, which is provided as Platform as a Service (PaaS), allows the interaction of devices, users, companies and partners on a centralized platform. This enables the development of innovative and future-oriented solutions for new business models.

With some 650 associates worldwide, Bosch Software Innovations has locations in Germany (Berlin, Immenstaad, and Stuttgart), Singapore, China (Shanghai), Japan (Tokyo), and the United States (Chicago).

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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)*

*<https://www.facebook.com/bosch.co.jp> Bosch Japan facebook (Japanese and English)*

*<https://www.youtube.com/boschjp> Bosch Japan Youtube (Japanese)*

*The Bosch Group is a leading global supplier of technology and services. It employs roughly 390,000 associates worldwide (as of December 31, 2016). According to preliminary figures, the company generated sales of 73.1 billion euros in 2016. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected industry. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. 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.”*

*The Bosch Group comprises Robert Bosch GmbH and its roughly 450 subsidiaries and regional companies in some 60 countries. Including sales and service partners, Bosch’s global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company’s future growth is its innovative strength. At 120 locations across the globe, Bosch employs 59,000 associates in research and development. The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as “Workshop for Precision Mechanics and Electrical Engineering.” The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH.*

*Additional information is available online at [www.bosch.com](http://www.bosch.com), [www.bosch-press.com](http://www.bosch-press.com), [twitter.com/BoschPresse](https://twitter.com/BoschPresse)*