



Bosch Limited inaugurates its expanded Bidadi plant

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- ▶ Bosch CEO Denner: “Bosch is taking a step toward more efficient, more flexible, and sustainable manufacturing in India”
- ▶ Bosch investment: 31 million euros in the facility’s expansion (Phase II)
- ▶ From Adugodi to Bidadi: one of Bosch’s largest ever relocation projects
- ▶ Sustainable manufacturing: Bidadi plant to be carbon neutral by 2020

Bengaluru, India – Bosch, a leading global supplier of technology and services, has inaugurated its expanded smart factory for mobility solutions in Bidadi (Phase II), which is located some 35 kilometers from Bengaluru. The plant features latest Industry 4.0 solutions and carbon-neutral technology. “Bosch is taking a further step toward more efficient, more flexible, and sustainable manufacturing in India in order to boost competitiveness and meet rising demand in the local market,” said Volkmar Denner, chairman of the board of management of Robert Bosch GmbH. “The new Bidadi plant will further boost India’s strong role in the Bosch Group’s global network.” The company has invested 31 million euros in the new facility. The Bidadi plant will accommodate almost 2,500 associates by the end of 2019.

The Bidadi plant will act as a local hub for development of Bosch powertrain solutions and manufacture of automotive products such as common rail single-cylinder pumps and high-pressure rails. “It is important for Bosch to leverage our expertise in manufacturing operations and combine it with technology and digitalization to build lean manufacturing facilities,” said Soumitra Bhattacharya, the managing director and president of the Bosch Group in India.

From Adugodi to Bidadi: one of Bosch’s largest ever relocation projects

Bidadi Phase I witnessed a shift of around 500 people from the existing manufacturing facility in Adugodi to Bidadi, along with manufacturing operations for the new-generation powertrain solutions products. Now, Phase II has

witnessed the shift of around 2,000 people, as well as 760 units of machinery and equipment. This movement is one of the largest relocation projects ever undertaken by Bosch. The former Adugodi manufacturing site is being converted into a high-tech engineering center and is slated to become the largest Bosch technology campus outside Germany.

Sustainable manufacturing: Bidadi plant to be carbon neutral by 2020

Bosch plans to be fully climate neutral as early as next year. Its over 400 locations worldwide, together with their engineering, manufacturing, and administrative facilities, will no longer leave a carbon footprint. This will make Bosch the first major industrial enterprise to achieve this ambitious goal in a little over a year. In line with this target, the Bidadi plant has been built to be leaner and more sustainable. According to the International Energy Agency, manufacturing accounts for around 32 percent of global carbon dioxide emissions. To quote Dr. Volkmar Denner: “The current state of the global ecosystem demands that organizations make concerted efforts to reduce their global carbon footprint. We at Bosch see climate action as our responsibility, and believe we have to act now. The company has undertaken initiatives to build environmentally friendly manufacturing sites across the globe, and the Bidadi plant is the latest result of this effort.”

The new facility is aligned with the blueprint of the “Carbon neutral – 2020” strategy, with initiatives such as energy analytics, environmental initiatives such as tree planting, the use of alternative fuel like Compressed Natural Gas for heating, and solar power capacity of 8.7 megawatts peak in 2018. The sun accounts for approximately 30 percent of the power consumed by the plant. The facility is built to be environmental friendly and is a landmark in manufacturing practices across India.

Increased production efficiency: focus on state-of-the-art, digitally connected manufacturing technologies

Bosch is a leading user and provider of Industry 4.0 solutions, and is using them in Bidadi to increase the plant’s efficiency and competitiveness. In its manufacturing operations, the plant uses cobots (collaborative robots), automated visual inspection stations, and Device Bridge software, a local Bosch innovation that can be retrofitted to old machinery to turn them into connected devices, thereby significantly improving processes and reducing defects.

The Bidadi plant has put an intensive system continuous improvement process (SCIP) into place which is the way to achieve sustainably waste-free processes.

This will allow it to further improve and maintain safety and quality standards, while remaining cost competitive. Modernizing the machinery and using smart automation solutions have helped make the plant more efficient, and already resulted in remarkable achievements.

Bosch: going strong in India

The Bosch Group sees a wealth of possibilities in India, which is Asia's third largest economy. Bosch set up manufacturing operations in India in 1951, and these have grown over the years to include 18 manufacturing sites and 7 engineering and application centers. Its Indian subsidiary Bosch Limited ended its 2018–19 fiscal year with total revenue from operations of INR 12,258 crores (1.49 billion euros), a year-on-year increase of 4.9 percent year. Bhattacharya said: "India's mobility sector is transforming rapidly, and is expected to grow significantly in the coming years. The Indian automotive components industry is set to become the third largest in the world by 2025." Bosch is committed to delivering best-in-class automotive solutions in India. The company's steady stream of innovative mobility solutions is a result of its unwavering commitment to improve quality of life by providing solutions which are both innovative and beneficial.

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About Bosch in India

In India, Bosch is a leading supplier of technology and services in the areas of Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. Additionally, Bosch has in India the largest development center outside Germany, for end to end engineering and technology solutions. The Bosch Group operates in India through twelve companies, viz, Bosch Limited, Bosch Chassis Systems India Private Limited, Bosch Rexroth (India) Private Limited, Robert Bosch Engineering and Business Solutions Private Limited, Bosch Automotive Electronics India Private Limited, Bosch Electrical Drives India Private Limited, BSH Home Appliances Private Limited, ETAS Automotive India Private Limited, Robert Bosch Automotive Steering Private Limited, Automobility Services and Solutions Private Limited, Newtech Filter India Private Limited and Mivin Engg. Technologies Private Limited. In India, Bosch set-up its manufacturing operation in 1951, which has grown over the years to include 18 manufacturing sites, and seven development and application centers. Bosch Group in India employs over 31,000 associates and generated consolidated revenue of about ₹.21,450 crores (2.66 billion euros) in 2018 of which ₹. 15,824 crores*(1.96 billion euros) from third party. The Group in India has close to 18,000 research and development associates.*

In India, Bosch Limited is the flagship company of the Bosch Group. It earned revenue of over ₹. 12,460 crores (1.54 billion euros) in 2018. Additional information can be accessed at www.bosch.in

About Bosch Group

The Bosch Group is a leading global supplier of technology and services. It employs roughly 410,000 associates worldwide (as of December 31, 2018). The company generated sales of 78.5 billion euros in 2018. 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 manufacturing. 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 460 subsidiary and regional companies in over 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 nearly 130 locations across the globe, Bosch employs some 68,700 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 upfront 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, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPress.