

Fact sheet

Bosch Group in Malaysia

May, 2019

OVERVIEW

Bosch has been present in Malaysia since 1923, represented by Robert Bosch Sdn Bhd. In Malaysia, Bosch is active in four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. The company has three manufacturing sites and research and development facilities in Penang, producing car multimedia systems, power tools, and steering systems.

Bosch in Malaysia is a part of the Bosch Group, a leading global supplier of technology and services. 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".

FACTS AND FIGURES 2018

Bosch Group in Malaysia

| | |
|------------|------------|
| Since | 1923 |
| Associates | over 2,800 |



Bosch Group worldwide

| | |
|-----------------|-----------------------------------|
| Founded | 1886 |
| Associates | Nearly 410,000 |
| Sales revenue | 78.5 billion euros |
| Present in | nearly every country in the world |
| R&D Associates | nearly 68,700 |
| R&D Expenditure | nearly 6.0 billion euros |

Did you know...

- ▶ The KL Sports City, previously known as the Bukit Jalil National Sports & Complex, is equipped with Bosch surveillance cameras, access control systems and intelligent video analytics
- ▶ Bosch GO, the smart cordless screwdriver was developed and manufactured at the Bosch power tools plant in Penang, which recently celebrated the production of its 100 million power tools since its establishment in 1992
- ▶ In 2018 alone, the power tools plant in Penang produced around 17 million power tools and battery packs for both the local and global markets
- ▶ The Bosch Car Multimedia manufacturing facility in Penang accelerates its Industry 4.0 involvement via in-house solutions such as the Nexeed MES Platform for production lines for a more flexible and efficient plant control

BUSINESS SECTORS WORLDWIDE



Mobility Solutions

- ▶ Sales: 47.6 billion euros
- ▶ Associates: 237,094



Industrial Technology

- ▶ Sales: 7.4 billion euros
- ▶ Associates: 40,678



Consumer Goods

- ▶ Sales: 17.9 billion euros
- ▶ Associates: 72,199

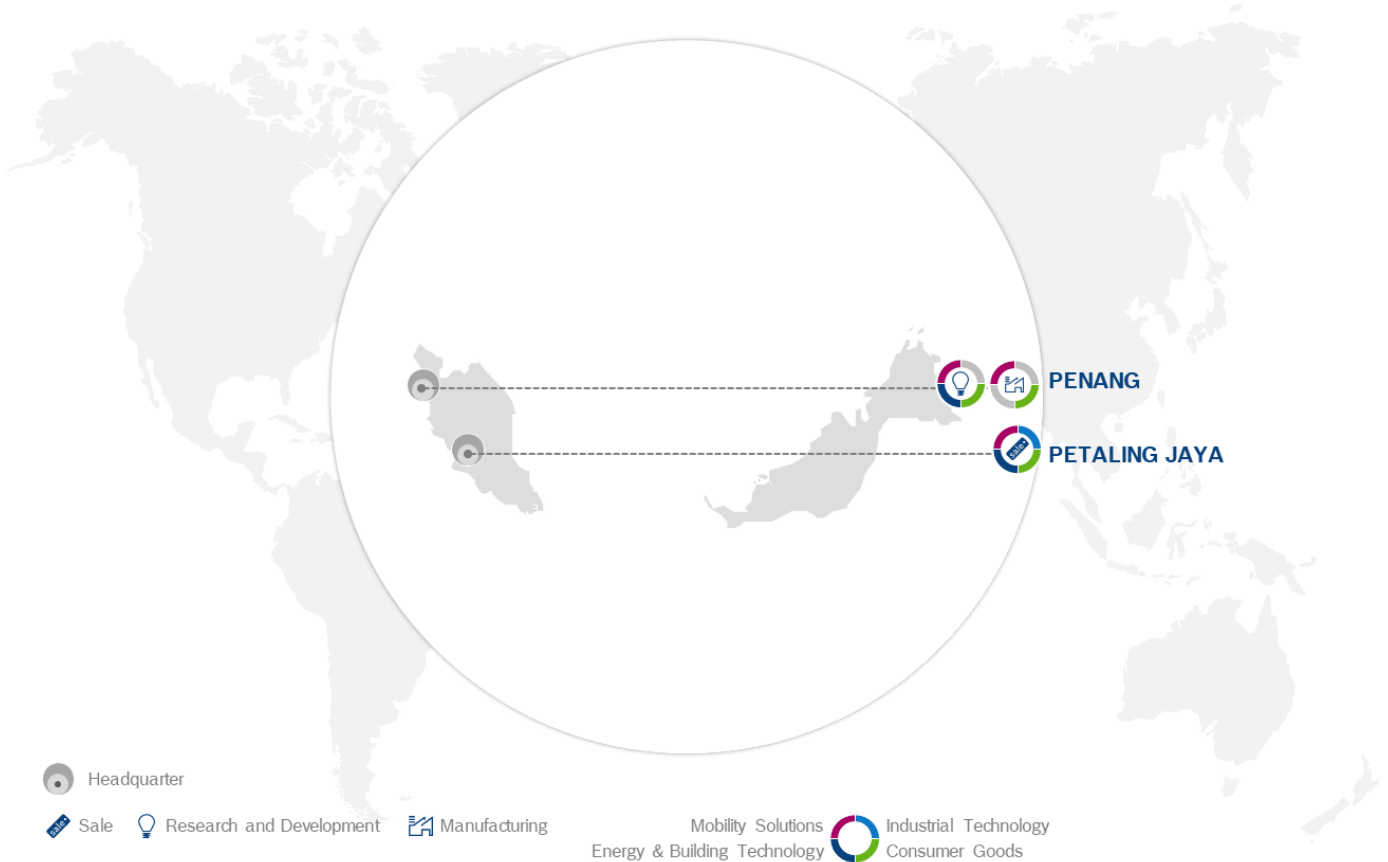


Energy & Building Technology

- ▶ Sales: 5.6 billion euros
- ▶ Associates: 32,530

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BOSCH LOCATIONS IN MALAYSIA



Headquarters (Petaling Jaya)



Functions at headquarters

- ▶ Administration
- ▶ Sales and Marketing

Milestones

- 1923** Bosch distributed first products in Malaysia
- 1958** First sales office opened in collaboration with Diesel Electric (Malaysia) Pte
- 1972** First manufacturing plant opened in Penang, producing film cameras and projectors
- 1992** Start of production plant for power tools in Penang
- 2017** Opening of the Apprenticeship Training Center housed at the car multimedia plant in Penang
- 2019** Celebrating 100 years of Bosch in Southeast Asia

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COUNTRY SPECIFIC PROJECTS

Digital Transformation Acceleration Programme: encouraging business transformation



- ▶ Bosch is active in collaborating with local companies in the area of connectivity, being one of the five Digital Transformation Lab (DTL) partners of the Malaysia Digital Economy Corporation (MDEC) for its Digital Transformation Acceleration Project (DTAP)
- ▶ Participants of DTAP will work closely with DTL partners to provide consultancy, expertise in development and execution of digital transformation pilots
- ▶ In this cooperation, Bosch will be lending its expertise and assistance to Malaysian companies in adopting and leveraging on digital technologies for increased productivity and sustainability, to future-proof their businesses and stay competitive

KISMEC: First Bosch Industry 4.0 didactics training workbench in Malaysia



- ▶ Bosch partnered with the Kedah Industrial Skills and Management Development Centre (KISMEC) to promote the application of Industry 4.0 (I4.0) into technical and vocational education training (TVET)
- ▶ The partnership will support I4.0 in TVET through programmes and activities by leveraging on both parties' shared facilities, service technologies and expertise
- ▶ KISMEC launched its new campus which is equipped with the first Bosch I4.0 didactics training workbench and APAS collaborative robot in Malaysia, and the second in Southeast Asia after Singapore
- ▶ The Malaysian-German Chamber of Commerce and Industry was chosen as the quality assuring and certifying body for KISMEC. Trainers for these programmes were trained in Germany and certified by Bosch Rexroth's training programme: <https://www.bosch-apas.com/en/home/>

Plant expansion: accelerating Industry 4.0 involvement via in-house solutions



- ▶ Bosch has three manufacturing plants in Penang providing car multimedia systems, power tools and automotive steering. This is the largest number of manufacturing facilities in a single country for Bosch in Southeast Asia
- ▶ Bosch's car multimedia plant saw an expansion with its facility in Bayan Lepas, Penang. The mixed development facility has a capacity of 9,600 sqm production floor space where car multimedia products are produced using Bosch Industry 4.0 technology
- ▶ Additionally, the building also has a new 4,100 sqm office space that houses more than 300 associates and another 4,300 sqm space for future expansion