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Focus on promising markets: Bosch is strengthening its semiconductor business with a dedicated division

Already strong in cars, growth will be driven by sensors and robotics

- Bosch to set up a dedicated semiconductor division in January 2028 and aim for additional growth in new markets.
- Business target: Bosch plans to generate 5 billion euros in semiconductor sales by 2030.
- Dr. Markus Heyn: “Semiconductors are key to technology that is ‘Invented for life,’ and they form the technological foundation for our customers’ innovations.”
- Erik Rein: “With our own division, we’ll be able to better tailor our services to our customers’ needs.”

Stuttgart, Germany – They may be small components, but they have a big impact: semiconductors are the driving force behind the modern technological world. As an indispensable component of all electronic systems, they are already miniature heroes in cars, e-bikes, home appliances, and wearables. Now, rapid growth in new technology markets – particularly robotics and data centers for artificial intelligence (AI) – means demand for them is skyrocketing. According to a recent McKinsey study, meeting semiconductor demand for generative AI applications alone will require an additional annual volume of up to 3.6 million wafers by 2030. Meanwhile, analyses by Strategy& and the German Electro and Digital Industry Association (ZVEI) suggest that robotics and industrial automation will cause European demand for semiconductors to double by 2040. Bosch wants to participate in this growth and plans to generate some 5 billion euros in semiconductor sales by 2030. To this end, the company will put its semiconductor business on a firmer footing as part of the reorganization of its corporate structure and the evolution of Bosch Mobility, which was announced at the end of October 2026. Effective January 1, 2028, Bosch will transfer its semiconductor operations to a new division called Semiconductors. The business

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will continue to be assigned to the Mobility business sector. Bosch's semiconductor operations are currently part of its Mobility Electronics division.

"Semiconductors are the linchpin of our connected world and, at the same time, a key success factor for all of Bosch's divisions," says Markus Heyn, deputy chairman of the board of management of Robert Bosch GmbH and chairman of the Mobility business sector. The company aims to tap into additional sales and growth opportunities for its semiconductors not just in its existing automotive and consumer businesses – such as smartphones and wearables – but also in pioneering applications in robotics, where Bosch chips are already being successfully used. "Today, Bosch semiconductors already enable efficient control of humanoid robots. In the future, high-precision, innovative sensors will serve as the foundation for additional smart systems. Semiconductors are key to our technology that is 'Invented for life,' and they form the technological foundation for our customers' innovations," Heyn adds. Bosch is already a sought-after and attractive industrialization partner and component supplier for the global robotics industry, as well as one of the leading providers of sensor technology across the entire robotics spectrum – from robotic vacuum cleaners to humanoid robots. Moreover, the company will increasingly open up its manufacturing capacity to external partners in the future and will systematically expand its foundry business.

Bosch is continuously investing in its global semiconductor business

By restructuring its chip operations into the new Semiconductors division, Bosch is better aligning its organization and processes with the specific and highly dynamic customer and market requirements of the semiconductor industry. "By establishing our own unit, we're opening a new chapter in our more than 60-year history in the semiconductor industry," says Erik Rein, who is responsible for Bosch's semiconductor business. "In the future, we'll be able to better tailor our services to our customers' needs – in the automotive sector, consumer electronics, and beyond. Our unique strengths in the semiconductor business are our market and technology leadership in MEMS sensors, as well as the way we've integrated semiconductors into our systems business. In particular, that includes silicon carbide chips and application-specific integrated circuits (ASICs)," Rein says. "We want to build on these strengths and leverage them in select new markets."

With approximately 40 semiconductor sites worldwide dedicated to research, development, and manufacturing, Bosch has a global presence. In recent years, the company has invested approximately 3 billion euros in its wafer fabs in Dresden and Reutlingen. In Roseville, California, Bosch is spending up to 2 billion U.S. dollars to equip its plant with facilities to manufacture specialized

silicon carbide chips. To strengthen its global resilience, the company also plans to further expand its test center in Penang, Malaysia, by the middle of the next decade. What is more, Bosch holds a 10 percent stake in the European Semiconductor Manufacturing Company (ESMC) GmbH, a joint venture in Dresden.

Control units and power electronics for the in-house automotive business

To date, the semiconductor business has been part of Bosch's Mobility Electronics division, as has Bosch's in-house business with electronic control units and power electronics. With effect from January 2028, the Mobility Electronics division will encompass the business related to electronic control units for automotive applications.

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About Bosch

Having established a presence in North America in 1906, today the Bosch Group employs around 38,000 associates in more than 100 locations in the North American region (as of Dec. 31, 2025). In 2025, Bosch generated consolidated sales of $18.8 billion in the U.S., Mexico and Canada in 2025. For more information visit www.bosch.us, www.bosch.mx and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 413,000 associates worldwide (as of December 31, 2025). The company generated sales of 91 billion euros in 2025. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, digitalization, electrification, and artificial intelligence. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in hardware, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture intelligent, user-friendly, and sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 500 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. Bosch's innovative strength is key to the company's further development. Bosch employs some 82,000 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 upfront investments in the safeguarding of its future. Ninety-four percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a limited liability company with a charitable purpose. The remaining shares are held by Robert Bosch GmbH and by a company owned by the Bosch family. The majority of voting rights are held by Robert Bosch Industrietreuhand KG. It is entrusted with the task of safeguarding the company's long-term existence and in particular its financial independence – in line with the mission handed down in the will of the company's founder, Robert Bosch.

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

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