

Bosch showcases next-generation powertrain, driver assistance, and compute solutions at ACT Expo 2026

April 30, 2026
PI 292

- ▶ New technologies reinforce Bosch's role as a systems and software supplier for commercial vehicle innovation
- ▶ Bosch unveiling new ADAS, thermal management and connectivity solutions
- ▶ CryoPump from Bosch Rexroth revolutionizes the total cost of ownership for the hydrogen transportation ecosystem

Las Vegas – Bosch will debut a suite of advanced powertrain, driver assistance and compute technologies at ACT Expo 2026, May 4-6, underscoring its commitment to enabling efficient, scalable and future-ready commercial mobility.

“Bosch is uniquely positioned at the intersection of hardware and software, supporting the shift to software-defined vehicles while delivering real-world performance gains,” said Peter Tadros, regional president, Power Solutions. “Our technologies help customers manage complexity and improve uptime, supporting a wide range of powertrains—from diesel and renewable fuels to electrified and hydrogen mobility and more.”

Bosch will be in booth 2153 at the ACT Expo in the Las Vegas Convention Center.

Diversity of electrification across all vehicle segments

As an experienced commercial vehicle electrified system provider, Bosch offers strong calibration and integration capability, including software, services and systems engineering:

- **Electrified power take-off** integrates easily, delivering up to 61kW of continuous power and 72 kW of peak output at up to 850 V, enabling improved efficiency and performance for demanding duty cycles.
- **High-voltage electric fan** (5kW and 15kW), features an integrated controller, operating at up to 850 V to enhance efficiency and performance for demanding duty cycles.
- **Electric motor direct cooling technology**, enabling up to a 90% continuous-to-peak performance ratio, significantly improving durability and sustained output.
- **Vehicle charge communication unit**, providing a standardized communication interface and providing innovative use cases such as V2X.

Hydrogen solutions for mobility and infrastructure

Bosch is advancing the hydrogen ecosystem with new technologies designed to improve scalability and economics:

- **Fuel cell power module compact 300**, the most powerful Bosch fuel cell module and ideally suited for heavy-duty long-haul trucks. It provides reliability and safety according to automotive standards and is also available for stationary applications via the cooperation partner PowerCell Sweden AB.
- A **compact gas compressor** for hydrogen and other gaseous applications, with start of production planned for the fourth quarter of 2026.
- **The Rexroth CryoPump module**, developed by Bosch Rexroth, delivers a breakthrough in hydrogen pumping efficiency and enables a lower total cost of ownership across the hydrogen transportation and refueling ecosystem.

Fuel alternative for internal combustion engines

Renewable fuels offer a simple solution to improve sustainability with the existing fleet.

- **Digital fuel twin**, designed to monitor and certify the amount of consumed renewable fuels on a single vehicle basis. This cloud-based software bridges the fuel supply chain from producer to end-user "well-to-wheel" via a digital tag attached to every physical step of the fuel value chain.

Progressing ADAS solutions

For vehicles becoming ever more automated and connected, Bosch is offering advanced driver assistance products including various hardware and software solutions:

- **Connected horizon**, provides driver assistance systems with predictive information on, for instance, speed limits, traffic jams and danger spots. This is designed to provide information that may reduce accident risk and increase comfort and convenience.

Working together to make L4 trucking a reality

Bosch and Kodiak AI are collaborating on vehicle-independent, redundant platforms for driverless trucks:

- **Kodiak AI sensor pod** integrates Bosch radar and camera systems enabling Level 4 commercial vehicle applications. Developed for autonomous trucking use cases, the sensor pod is designed to enhance perception capabilities and support scalable deployment of automated driving solutions.

Commercial vehicle architectures and platforms

Bosch is driving innovation in commercial vehicle architectures with the introduction of its customer-neutral engine control module, a solution optimized

for performance, fuel efficiency and emissions. Bosch is also developing the flexible **medium-heavy truck platform**, first showcased at ACT Expo 2025, designed to power the next generation of commercial vehicles with flexible architecture supporting next-generation applications.

Bosch presentations:

The ACT Expo speaker faculty has six Bosch speakers as part of its curriculum. They include:

- **Dr. Marko Babic**, head of product area-air quality and sustainability solutions
- **Aditya Badarinath**, engineering team lead, vehicle systems development & ADAS
- **Dr. Stefan Becher**, vice president, fuel cell solutions
- **Saqib Masood**, senior acquisition manager
- **Alex H. Maun, PhD.**, director of customer accounts
- **Christine Thelesklaf**, vice president, software and controls, power solutions

Press photos are available on the Bosch Media Service at www.bosch-press.com.

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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, 2024). According to preliminary figures, Bosch generated consolidated sales of \$18.7 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 412,000 associates worldwide (as of December 31, 2025). According to preliminary figures, 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, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, 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 user-friendly, 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 490 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. At 136 locations across the globe, 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.

Exchange rate: 1 EUR = 1.1297