

Bosch commissions its new Michigan electrolyzer and boosts scalable hydrogen economy with cryopump breakthrough

March 17, 2026
PI 289

- ▶ Hydrogen Technology Day at Bosch's Farmington Hills campus highlights the launch of Bosch's new electrolyzer facility to produce hydrogen.
- ▶ Peter Tadros: "At Bosch, we are committed to helping build the hydrogen economy and we are prepared to support its growth at whatever pace it advances."
- ▶ The next generation cryopump from Bosch Rexroth is designed to be efficient and reliable, helping drive down costs for hydrogen refueling infrastructure.

Farmington Hills, Mich., March 17, 2026 – Bosch today announces key milestones in its global hydrogen ecosystem strategy, highlighting new innovations in hydrogen infrastructure and the availability of electrolyzer systems powered by Bosch Hybrion PEM electrolysis stacks from its integrator partners for North America. Together, these developments reinforce Bosch's role as a technology leader across the entire hydrogen value chain from production and distribution to storage and end use.

Hydrogen technology was the focus of today's program that attracted more than 100 of hydrogen's top experts to Bosch's Farmington Hills, Mich. campus. The day included three panels of experts discussing stationary, mobile and derivative hydrogen applications and a keynote address from **Jordan Choby**, group vice president, Powertrain, Toyota Motor North America, Research and Development.

As demand grows for clean, reliable energy solutions, Bosch is focused on building a comprehensive hydrogen ecosystem in mobility, industry and stationary power. The company's approach brings together advanced engineering, global scale, and cross-sector collaboration to help drive hydrogen's widespread adoption.

"At Bosch, we are committed to helping build the hydrogen economy and we are prepared to support its growth at whatever pace it advances," said **Peter Tadros**, regional president, Power Solutions, Bosch in North America. "Our strategy is to support customers across the value chain with scalable technologies that make hydrogen practical for real-world applications. From production to infrastructure and utilization, we are investing to help unlock hydrogen's full potential."

North America electrolyzer expansion strengthens local supply chain

Bosch is expanding its presence in hydrogen production with the grand opening of its own electrolyzer – with a Hybrion stack by Bosch – facility in Farmington Hills. The site is the North America headquarters for Bosch's electrolyzer and fuel cell application engineering and testing and will utilize the hydrogen produced for these activities.

"This new electrolyzer facility demonstrates Bosch's long-term commitment to enabling the growth of the North American hydrogen market," added **Carola Ruse**, senior vice president, Electrolyzer Solutions, Robert Bosch GmbH. "We are investing in local competence to help our customers reduce emissions and strengthen energy resilience. Michigan's engineering talent and industrial heritage make it an ideal location to advance hydrogen technologies."

The investment underscores Bosch's commitment to strengthening the domestic hydrogen supply chain while supporting customers and collaborators across North America.

New cryopump technology supports hydrogen infrastructure

A key component of Bosch's ecosystem strategy is the development of a next generation cryopump from Bosch Rexroth which is designed to be efficient and reliable, helping drive down costs for hydrogen refueling infrastructure. The technology helps enable faster, safer and more energy-efficient handling of liquid hydrogen, an important step in supporting heavy-duty mobility, aviation and large-scale energy applications.

"Hydrogen infrastructure requires robust, high-performance components," said **Dave Hull**, regional vice president, Bosch Rexroth. "Our cryopump technology addresses critical challenges such as boil off losses, reliability, energy efficiency, and scalability. By enabling more efficient fueling, we are helping customers move hydrogen from pilot projects to commercial deployment."

The Cryopump's modularity helps eliminate the need for high-pressure storage, reducing the capital and operational costs of station operators, and paving the way for hydrogen-powered commercial vehicles.

A comprehensive hydrogen ecosystem

Bosch's hydrogen portfolio spans multiple technologies, including fuel cell systems, hydrogen engines, electrolysis stacks, and infrastructure solutions. By connecting these innovations, the company aims to create an integrated ecosystem that supports decarbonization across sectors such as transportation, manufacturing and energy.

Through collaboration with industry stakeholders, governments and research institutions, Bosch is working to accelerate the transition to a hydrogen economy that is sustainable, scalable and economically viable.

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

Contact for press inquiries:

Megan Bonelli

Phone: +1 947 281-7062

E-Mail: megan.bonelli@us.bosch.com

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