

PRESS INFORMATION

Bosch Rexroth to showcase drive systems for hydrogen filling station compressors at H2 Expo 2024

Mike Thompson | 06/21/2024 | USA | DC24008

Booth demonstrations will highlight the latest technologies and solutions for a low-carbon hydrogen future at the Hydrogen Technology Expo 2024 in Houston.

Hydrogen Technology Conference & Expo is North America's must-attend exhibition and conference that is exclusively dedicated to discussing advanced technologies for the hydrogen and fuel cell industry. **Bosch Rexroth will join experts from the entire hydrogen value chain to showcase the company's latest innovations at the H2 Expo 2024, June 26-27 in Houston, TX at booth 370.**

At the H2 Expo 2024, visitors to the Bosch Rexroth booth will have the opportunity to get a first-hand look at our multi-technology systems for hydrogen compression applications, as well as electro-mechanical actuators. Explore our interconnected technologies that are innovating for these emerging industries.

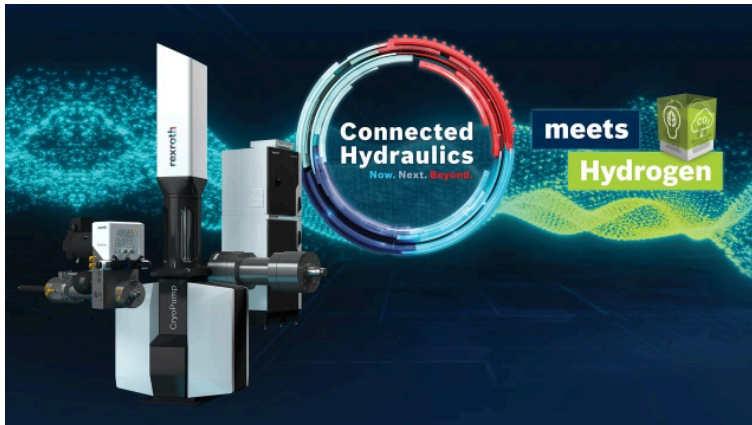
Breakthrough technologies on display

Highlights of the booth include the latest electrohydraulic drive system for hydrogen, to be used in conjunction with gaseous hydrogen boosters and liquid hydrogen cryogenic pumps. The Bosch Rexroth drive portfolio includes highly-efficient complete systems in the form of servohydraulic axes (SHA). These particularly compact solutions concentrate a variable-speed drive comprising a servo motor, hydraulic pump, control block, synchronous cylinder and minimal oil volume in a very small space. Customer-specific compressors are mounted on the cylinder itself, and can be used with both hydrogen and other types of gases.

Visitors will also be able to view Rexroth's eSEA Push – the world's first series of all-electric actuators that can continuously operate any linear subsea process valves without compromising safety and efficiency. Rexroth eSEA Push actuators combine electrification with standardization and digitalization to improve cost, avoid downtime, and achieving high safety and reliability performance with a precise motion control. The eSEA portfolio – including not only eSEA Push, but also eSEA Torque and eSEA Drive – is your reliable product family for any all-electric subsea valve operation. The actuators are ready to be installed in greenfield and brownfield applications for offshore energy, or for new building blocks needed to accelerate the energy transition such as carbon storage (CCUS) and green hydrogen (H2) production offshore.

For more information, visit the show page at www.boschrexroth-us.com/H2Expo or www.boschrexroth-us.com/hydrogen. H2 Expo attendees are invited to visit booth #370 to learn more directly from Rexroth's experts.

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Discover Bosch Rexroth's innovative drive systems for the hydrogen industry at the Hydrogen Technology Expo 2024.

Basic Information Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries more than 32,000 associates generated sales revenue of around 7.0 billion euros in 2022.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 421,000 associates worldwide (as of December 31, 2022). The company generated sales of 88.2 billion euros in 2022. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. 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 facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. 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 470 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 136 locations across the globe, Bosch employs some 85,500 associates in research and development, of which nearly 44,000 are software engineers.

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