

PRESS RELEASE

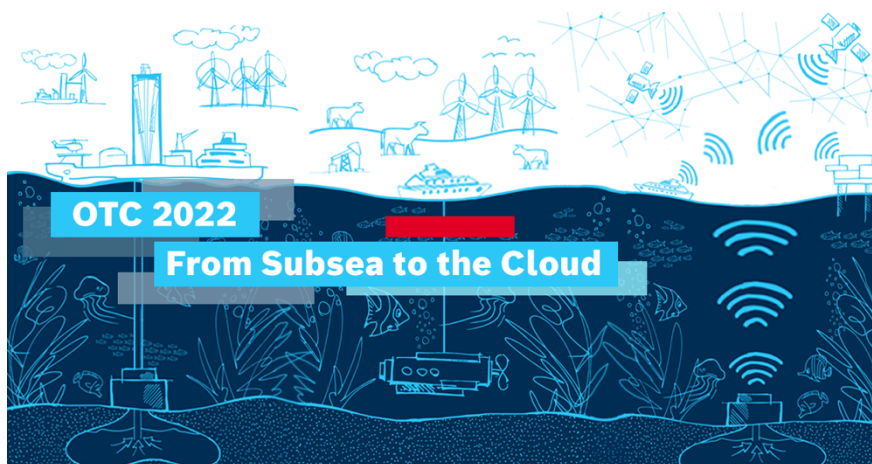
DC22004

04/25/2022

For Immediate Use

Bosch Rexroth to exhibit latest technologies for offshore and marine applications at OTC 2022

Booth demonstrations and special presentations will highlight the latest marine and offshore technologies that combine efficiency, safety, environmental stability and connectivity at OTC 2022 in Houston.



Discover Bosch Rexroth's advanced technologies for offshore and marine applications at the Offshore Technology Conference (OTC) 2022.

Bosch Rexroth will join offshore and marine technology experts to showcase the company's latest innovations at OTC 2022 on May 2-5 in Houston. Located at booth 2306, Rexroth and Hägglunds displays will show a range of products and solutions that support the offshore technology sector.

At OTC 2022, visitors to the Bosch Rexroth booth will have the opportunity to learn about the company's latest technologies and solutions for marine and offshore applications through interactive demonstrations and presentations of motors and drive systems, electromechanical and electrohydraulic actuators and more.

Highlights of this year's booth include the award-winning Subsea Valve Actuator (SVA R2), a demo of the latest Hägglunds motors and drive systems and the new power electronics for the eLION product line. Booth visitors will also have the opportunity to connect one-on-one with Rexroth experts to discuss their unique challenges and requirements.

In addition, Bosch Rexroth subsea technology experts Dr. Alexandre Orth and Amadeu Placido will give two presentations at the show. Placido will give a presentation titled

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“The Digital Twin: Optimizing the System Design from the First Draft to the Cloud” on Monday, May 2, from 2:00-2:22 p.m. CT. Orth will give a presentation titled “Enabling All-Electric Subsea Control Systems Without Compromising Safety – A Case Study Comparing Functional Safety Systems Using Springs or Batteries” on Thursday, May 5, from 2:44-3:06 p.m. CT.

Key booth exhibits at OTC 2022 include:

Subsea Valve Actuator (SVA R2): Visitors will be able to see and touch Rexroth’s award-winning electric SVA R2, winner of the 2022 Spotlight on New Technology Award. The demo will show a process valve connected to a digital twin that can simulate any subsea process automation application.

Axial Piston Pump with Electrohydraulic Control: Rexroth will showcase a variety of aftermarket services and products that maximize equipment availability, including a demo of the Rexroth Axial Piston Pump with electrohydraulic control. The pump is a digital control electronics module with functionality that includes swivel angle and pressure and torque limitation.

Häggglunds Rineer, Atom and CB: Interactive demos will include the Häggglunds CB motor, the Atom hydraulic motor and the Rineer motor to illustrate robust solutions with extreme power-to-weight ratios and full range of torque at the installed power.

Rineer vane motors provide high torque at start and stall and flat torque throughout the entire speed range. The “vane-crossing-vane” design provides optimum power-to-weight ratio, smooth output over a wide speed range and maximum torque at zero rpm.

The Häggglunds Atom comes bundled in an extremely compact design that withstands harsh environments and mounts right on the shaft. Fully marine adapted, the atom is a powerhouse in miniature, unleashing a maximum torque of 13.6 kNm at speeds of up to 400 rpm, ideally suited for marine equipment such as winches, thrusters, dredgers and subsea mining.

Tough and rugged with a wide range of sizes and displacements, Häggglunds’ CB motor gives high flexibility and quick response in heavy-duty marine applications.

Electrification Solutions: eLion is the new high-voltage product line that consists of more than 80 scalable motor variants, three matching inverters, gear units, a modular

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power distribution unit, onboard charger, DC/DC converter (12V/24V) and cabling (HV+LV).

On display will be one example of the three different power classes featuring Bosch Rexroth's new power electronics, the EDS1-L0400. eLION applications include generator drives, motor-gear-unit combinations for different drivetrain topologies, motor-pump(s) combinations (eLION Sytronix) for different implement and auxiliary topologies, winches, and other accessory requirements.

Industrial Manifolds: Rexroth will showcase a fully assembled and tested manifold with a high quality of functionality and reliability for all industrial applications, from marine applications to oil industries.

Active Heave Compensation: This technology enables greater heave control for winch and crane systems for floating vessels. Rexroth will demonstrate its modularity and show how to retrofit existing systems and new builds.

For more information, visit www.boschrexroth-us.com/otc. OTC attendees are invited to visit booth #2306 to learn more, directly from Rexroth's experts.

About 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 Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions 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 31,000 associates generated sales revenue of around 6.2 billion euros in 2021. To learn more, please visit www.boschrexroth-us.com.

About Bosch:

The Bosch Group is a leading global supplier of technology and services. It employs roughly 401,300 associates worldwide (as of December 31, 2021). According to preliminary figures, the company generated sales of 78.8 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions, 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

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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 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 76,300 associates in research and development, of which more than 38,000 are software engineers.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-presse.de, www.twitter.com/BoschPresse.

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