

Press Release

Rexroth to display the first subsea actuator with advantages of both electro-mechanical and electro-hydraulic systems at OTC 2019

Stop by booth #1205 to get a first look at Rexroth's innovative subsea technology

DC19004
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The unique subsea valve actuator from Bosch Rexroth.

Rexroth will display a unique approach for subsea actuation in booth #1205 at the Offshore Technology Conference (OTC) in Houston, Texas, May 6-9, 2019. The Subsea Valve Actuator (SVA) is an electro-mechanical actuator with a hydrostatic drive, uniquely designed to complete the range of traditional hydraulic and all-electric subsea actuators for subsea control and production systems.

By combining the best of electrohydraulic actuators and electromechanical actuators, Rexroth is revolutionizing actuator technology with the world's first hybrid Subsea Valve Actuator (SVA).

Optimized for manufacturing, the SVA system is based on industrial-standard components that are produced with the highest quality standards and lean production methods. With its modular design, users can easily configure

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according to their unique applications without costly redesigning their entire system.

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Highlights of the SVA include:

- An energy efficient system, in accordance with the Rexroth 4EE standard, minimizing the required peak and stand-by electric power
- Compatible with Industry 4.0 technology, the SVA includes integrated sensors for monitoring position, pressure, temperature, and more
- Cost-effective modular design using industrial components and lean production management processes
- Environmentally-friendly set up with redundant pressure compensation and no fluid leakage
- Up to 75 percent reduction in comparison to all-electric actuators available in the market
- High availability and condition monitoring designed to operate up to 25 years with minimum maintenance
- Independent safety control has Safety Integrity Level 3 capabilities

The SVA actuator achieves the same performance in terms of safety but with much better reliability than hydraulic actuators, by also offering a simple electric interface like the all-electric actuators (without umbilicals for hydraulic fluid power).

Experience the Subsea Valve Actuator with Augmented Reality powered by Bosch and other #SmartSolutions in booth #1205 at OTC 2019.

For further information, visit: www.boschrexroth.com/subsea

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 drives and controls, gear technology, and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries,

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more than 30,500 associates generated sales revenue of approximately 5.5 billion euros (\$6.2 billion) in 2017.

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To learn more, please visit www.boschrexroth-us.com

About Bosch

Having established a regional presence in 1906 in North America, the Bosch Group employs nearly 34,500 associates in more than 100 locations, as of December 31, 2017. In 2017 Bosch generated consolidated sales of \$13.7 billion in the U.S., Canada and Mexico. For more information, visit twitter.com/boschusa, twitter.com/boschmexico and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,000 associates worldwide (as of December 31, 2017). The company generated sales of 78.1 billion euros (\$88.2 billion) in 2017. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. 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 deliver innovations for a connected life. 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 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 125 locations across the globe, Bosch employs some 64,500 associates in research and development.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, [www.twitter.com/BoschPresse](https://twitter.com/BoschPresse).

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