



WITTENSTEIN and Bosch Rexroth develop economic subsea technology together

Cooperation agreement at Hannover Messe 2025

WITTENSTEIN motion control GmbH and Bosch Rexroth AG are cooperating in the field of innovative and efficient subsea technology. The joint development of an electromechanical subsea actuator enables viable business models for the production of green hydrogen at sea or the storage of CO2 under the seabed.

The new subsea actuator controls the continuously variable flow of gases and fluids at a water depth of up to 4000 meters. It is operated via a 24 V power supply. As a result of this, the valves no longer require the traditional hydraulic pipes from the water surface to the seabed. Electrification reduces both the investment costs for the entire subsea system and the operating costs in the long term compared to the existing hydraulic solution.

Joint development based on proven components

“Bosch Rexroth and WITTENSTEIN both have many years of proven application experience in the field of subsea technology. Our gearboxes and electromechanical modules are designed for the required service life of more than 25 years in the sea – and have already proven themselves many times over this long period”, says Dr. Bertram Hoffmann, CEO of WITTENSTEIN SE. “Subsea technology has been one of our key business segments for more than 20 years now, and this cooperation with Bosch Rexroth will strengthen it still further,” adds Dr. Mark Eikötter, Managing Director of WITTENSTEIN motion control.

“This development is not only a technological achievement, but also proof of successful cooperation. By combining the expertise of WITTENSTEIN in the field of gearbox technology with the expertise of Bosch Rexroth in automation and electronics, we are developing solutions that offer real added value for our customers. Together, we are shaping the future of fully electric actuators in subsea

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WITTENSTEIN SE develops products, systems and solutions for highly dynamic motion, maximum-precise positioning and smart networking for mechatronic and cybertronic drive technology.



Dr. Bertram Hoffmann, CEO WITTENSTEIN SE (left) and Dr. Steffen Haack, CEO Bosch Rexroth AG

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technology”, summarizes Dr. Steffen Haack, CEO of Bosch Rexroth AG.

Product premiere at OTC 2025

The actuator will be presented for the first time at the Offshore Technology Conference (OTC) from May 5 - 8, 2025 in Houston, USA. Bosch Rexroth and WITTENSTEIN will be exhibiting together at booth #3219.

Photo: (Source: Bosch Rexroth AG / Axel Heiter)



Dr. Bertram Hoffmann, CEO WITTENSTEIN SE (left) and Dr. Steffen Haack, CEO Bosch Rexroth AG, sealed the two companies' cooperation on economic subsea technology at the Hannover Messe 2025.

Texts and photographs in printable quality can be downloaded from <https://www.wittenstein.de/en-en/company/press/>

WITTENSTEIN – one with the future

With around 2800 employees worldwide and sales of €498 million in 2023/24, WITTENSTEIN SE enjoys an impeccable reputation for innovation, precision and excellence in the field of cybertronic motion – not just in Germany but internationally. The group possesses exceptional expertise for the mastery and further development of all technologies relevant to mechatronic drives and comprises six innovative Strategic Business Divisions. We develop, produce and sell products such as high-precision servo drives and linear systems, servo systems and motors as well as cybertronic drive systems for many areas of application including machine and plant construction, aerospace or oil and gas exploration.

Nanotechnology and software components round off the portfolio. With 25 sites in more than 45 countries, the WITTENSTEIN group (www.wittenstein.de) is represented in all major technology and sales markets.

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