Press Release

Barge Master and Bosch Rexroth team up for next generation gangway.

Product launch at offshore ONS exhibition, Stavanger

At the joint booth of Barge Master and Bosch Rexroth, the Barge Master Gangway will be presented during the international offshore trade exhibition ONS (Offshore Northern Seas) in Stavanger. This next generation gangway is the result of the close cooperation between Bosch Rexroth and Barge Master. The system is designed for the safe and efficient transfer of personnel and cargo from ships to drilling and offshore production platforms, wind turbines and other ships.

Barge Master is specialized in the development and fabrication of motion-compensating systems, such as cranes and multi purpose platforms, which are used on ships while offshore. A fast, innovative technique ensures that ships' movements are compensated, so that the ship mounted cranes remain stable and cargo can be transferred and positioned without problems, even in rough seas.

For the safe transfer of personnel from a ship to wind turbines or production and drilling platforms at sea, Barge Master developed the Barge Master Gangway in close collaboration with Bosch Rexroth. The design of the gangway has been assessed and approved by DNV GL (DNVGL-ST-0358).

Tough challenge
Press Release

According to Ron van den Oetelaar, General Manager at Bosch Rexroth, the development of the Gangway was quite a challenge. "Due to the simultaneous linear and rotary motions along several axes, which are moreover accompanied by large forces, the active motion-control technology applied in the system is extremely complex," says van den Oetelaar. "The gangway is placed on a small diameter pedestal with a hinge and a luffing cylinder to compensate the roll motions of the vessel. The gangway can translate and rotate (surge & yaw) in the horizontal plane around the pedestal by using hydraulic motors. Telescopic sections with winches in the bridge ensure smooth translation in sway direction. Extremely fast sensors and control engineering were used for the Barge Master Gangway that could translate the ship's movements into "counter-movements" for the gangway. The system can compensate for vessel motions up to a significant wave height of more than three meters (Hs). In addition to the gangway system customers can choose for additional modules such as a height adjustable pedestal with an integrated elevator. This option ensures a "step less" transshipment of pallet trolleys as well as fast and safe integrated logistics between vessel and platform.

Co-production
"During the development, fabrication and the delivery of the system, we will work very closely together with the specialists from Bosch Rexroth," says Martijn Koppert, CEO of Barge Master. "We have formed an integrated project team with specialists from both companies making it really different from the classical client-supplier relationship. We are fully fledged partners, the project team takes care of the design, fabrication and timely delivery of the system and both parties will continuously focus on translating clients wishes into a perfect working gangway. The small footprint, its light weight and the modular design with hoisting, elevator and many other options have led to the next generation gangway! In order to realize an attractive price setting Bosch Rexroth made maximum use of standard components, the fact that Bosch Rexroth has an extremely wide product range helps enormously in this respect. Although some parts have still been custom built for this project, the end result has become "lean & mean". We are convinced that our close cooperation resulted in a gangway clients are really looking for. We sold the first unit last month which proves we are right! It will be delivered to our client in Q2 2017". www.barge-master.com, www.boschrexroth.com
Press Release

Economical, precise, safe, and energy efficient: drive and control technology from Bosch Rexroth moves 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 to develop innovative components as well as tailored system solutions and services. Bosch Rexroth offers its customers hydraulics, electric drives and controls, gear technology, and linear motion and assembly technology all from one source. With locations in over 80 countries, more than 31,100 associates generated sales revenue of approximately 5.4 billion euros in 2015.

To learn more, please visit [www.boschrexroth.com](http://www.boschrexroth.com)

The Bosch Group is a leading global supplier of technology and services. It employs roughly 375,000 associates worldwide (as of December 31, 2015). The company generated sales of 70.6 billion euros in 2015. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiaries and regional companies in some 60 countries. Including sales and service partners, Bosch’s global manufacturing and sales network covers some 150 countries. The basis for the company’s future growth is its innovative strength. Bosch employs 55,800 associates in research and development at 118 locations across the globe. 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.”

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

Reader Inquiries:

Tel.: +31 411 651 464
E-Mail: erik.snoeijen@boschrexroth.nl
Address: Marketing Dept., Kruisbroeksestraat 1, 5281 RV Boxtel, NL
Internet: [www.boschrexroth.nl](http://www.boschrexroth.nl)