



GeoSea

Geotechnical & Offshore Solutions

**2 August 2018
PRESS RELEASE**

GeoSea's 'Innovation' jack-up vessel successfully completes installation of 20 suction bucket jackets at Borkum Riffgrund 2

On July 30, the last suction bucket jacket foundation landed on the seabed at the Borkum Riffgrund 2 offshore wind farm in Germany. With this milestone, GeoSea completes the installation of 20 suction bucket jackets.

Borkum Riffgrund 2, owned by Ørsted and Global Infrastructure Partners, will feature 56 Vestas turbines of 8 MW and have a total capacity of 450 MW – enough to supply electricity to approximately 460,000 households.

GeoSea's scope involved the transport and installation of 20 suction bucket jackets, each weighing 950 tonnes and having a height of 58 m.

This is the first time Ørsted has utilised this type of foundation at one of its wind farms on such a large scale. In 2014, GeoSea installed the first ever suction bucket jacket at Ørsted's wind farm Borkum Riffgrund 1.

The suction bucket structure becomes firmly embedded in the seafloor by vacuum pressure, eliminating the need for hammering and significantly reducing noise during installation.

"The completion of this project further establishes our strong track record in providing innovative solutions for our offshore wind farm customers," says Glenn Carton, GeoSea's Project Manager Borkum Riffgrund 2. "GeoSea is now one of the few companies with vast expertise and experience in suction bucket jacket installation. We are proud to support Ørsted in developing solutions to further bring down the costs of offshore wind energy. We also would like to thank our partners NGI and FRAMO for the successful cooperation in this pioneering project."

GeoSea's 'Innovation' is now being mobilised in Flushing to head to the Hornsea Project One wind farm in the UK, where GeoSea is currently installing 174 foundations.

For additional information, please contact:

Vicky Cosemans, Head of Communications DEME Group

cosemans.vicky@deme-group.com

M: +32 496 588 645 - T: +32 3 250 59 22

About GeoSea

GeoSea is DEME's specialist in complex offshore marine engineering projects. GeoSea offers a wide variety of services to owners of offshore assets, marine consultants and marine contractors in the Oil & Gas, Renewable Energy and Civil Engineering sectors. These services consist of the hammering and drilling of large diameter piles for offshore constructions such as jetties, mooring facilities, bridges, offshore wind farms, the installation of offshore structures, platforms and geotechnical investigations at large depths. www.deme-group.com/geosea

