

# Sandbank Offshore Wind Farm



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Substation, jacket and TP foundations



## Turnkey contract for Sandbank project

In 2014, Bladt Industries A/S was appointed to deliver 72 transition pieces and one offshore substation for the German Sandbank Offshore Wind Farm.

For the 72 transition pieces, Bladt Industries was appointed by the German company EEW SPC GmbH, and for the Sandbank OSS, Bladt signed the contract with the joint venture Sandbank Offshore Wind GmbH – a partnership by Vattenfall (51%) and Stadtwerke München (49%).

## The offshore substation and jacket

The OSS project was a turnkey contract (EPCI contract) and the finished topside and the four-legged jacket including pin piles was ready for installation in the second quarter of 2016. The Sandbank OSS is the 14<sup>th</sup> offshore substation leaving Bladt's properties for the final destination.

With a timeframe of 18 months to fabricate the substation on an EPCI contract, it was a rather tight time schedule. However, this was not something that discouraged either Bladt Industries, Semco or ISC. All previous sub-

station projects have been ready according to the time schedule and the Sandbank OSS was no exception.

"As senior project manager on the Sandbank substation project, my job is to ensure that all phases of the engineering, procurement, construction and installation are coordinated in details in order to deliver the usual high Bladt quality."

Jesper Hass Rasmussen, Senior Project Manager, Bladt Industries

## Transition pieces

In addition to the substation, Bladt Industries fabricated the 72 transition pieces for the Sandbank offshore wind farm. Fabrication of the transition pieces took place at our Aalborg fabrication site in Denmark. Manufacturing was initiated as scheduled in third quarter of 2014, and by the end of 2015, the last transition piece was sailed away from our site in Aalborg.

During the last 15 years, Bladt Industries has been involved in the fabrication of more than 1,500 foundations.

"We have a great deal of experience with producing transition pieces. It

is always exciting to see the result of a finished project, and it has been a great journey to manage this project from beginning to end."

Jan Lyngdal Pedersen, Senior Project Manager, Bladt Industries

The complete project went according to plan only with a few weather issues which prolonged loadout time.

The offshore wind farm Sandbank is located in the German North Sea 90 km of the isle of Sylt and is planned to deliver electricity for approx 400,000 households annually as off 2017.

## FACT

- **Client:** Vattenfall/Stadtwerke München
- **Contract:** EPCI
- **Project capacity:** 288 MW
- **Installation year:** 2016
- **Weight of substation:** 2,250 tons
- **Jacket height/weight:** 52 m/1,700 ton
- **Number of turbines:** 72
- **Country:** Germany
- **Location:** German North Sea
- **Distance to shore:** 90 km
- **Water depth:** 28 metres

  
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