



# Nordsee One

## A substation for the future

In 2014, Bladt Industries and Semco Maritime were awarded an EPCI contract by Nordsee One for the supply of a 2,150 tons offshore substation equipped with 2 transformers providing a total output of 332 MW.

The substation was constructed on Bladt Industries' facilities in Aalborg, Denmark. Fabrication of the substation included mounting and installation of helicopter deck, crane, electricity, technical systems etc.

20 months later in July 2016, Bladt Industries and Semco Maritime shipped off the substation headed for the future Nordsee One Offshore Wind Farm where Bladt Industries is also in charge of the installation process.

## Together we are stronger

Bladt Industries is responsible for the construction of steel structures for all substations, while Semco Maritime is facilitating the production of LV electrical works, including E&I, design, onshore construction and offshore commissioning.

## Power from 54 wind turbines

The Nordsee One Offshore Wind Farm has a total area of 41.3 km<sup>2</sup> and is located about 40 km north of the island of Juist between Terschelling - German Bight and German Bight Western Approach. In 4th quarter 2017, when installation and take over are completed, the substation will collect power from 54 offshore wind turbines.

“It's been a pleasure to collaborate with Nordsee One on this project. Everything went according to plan and the partnership between Bladt Industries/Semco Maritime and Nordsee One was flawless. I experienced two teams, who were very professional, cooperative and dedicated throughout the entire process – all the way from early design work to the later construction and installation phases.”

**Thomas Jørgensen, Senior Project Manager, Bladt Industries**

## FACTS

- Client: Nordsee One GmbH
- Contract: EPCI
- Project capacity: 332 MW
- Firm order: November 2014
- Installation year: 2016
- Number of turbines: 54
- Weight of substation: 2,150 tons
- Location: Germany, North Sea
- Distance to shore: 37 km
- Water depth: 29 metres



**Carsten Nielsen, Vice President**

Work Phone: +45 79 16 68 02  
Mobile Phone: +45 30 38 64 58  
E-mail: can@semcomaritime.com



**Troels Jensen, Division Manager**

Work Phone: +45 96 35 37 00  
Mobile Phone: +45 21 71 43 23  
E-mail: tgj@bladt.dk



*THERE IS ONLY ONE CHOICE  
- ASK US WHY*



*The strong partnership between Bladt Industries and Semco Maritime was formed more than 15 years ago. Together we have delivered 19 complete offshore substations which makes us global leaders in this field. Our strong competences and yearlong offshore experience is your guarantee for high quality solutions delivered on time and budget.*