

165 working platforms for Hornsea Two Offshore Wind Farm

Manufacturing and transport of 165 concrete working platforms for offshore wind foundations



AARSLEFF

Ørsted Wind Power A/S is currently constructing Hornsea Two Offshore Wind Farm, 89 kilometres off the Yorkshire coast of east England. The project comprises 165 wind turbines placed on monopiles with transition pieces and will have a total capacity of 1.4 GW. Per Aarsleff A/S and the sister company Aarsleff BIZ Sp. z o.o. are manufacturing 165 concrete working platforms for offshore wind foundations. The project is performed in two separate subcontracts for Bladt Industries A/S and EEW Special Pipe Construction GmbH (EEW SPC), respectively. Each company is assigned a main contract for the manufacturing of transition pieces for Ørsted Wind Power.

Two contracts, one in-house production

The 165 concrete working platforms are being produced in-house at our production facilities in Swinoujscie, Poland, where we specialise in the manufacture of marine concrete structures. Aarsleff is co-owner of an EU patent of concrete working platforms, specifically for foundations for offshore wind farms. This project is unusual as the delivery is divided between two different cli-

ents in two separate subcontracts with 30 working platforms for EEW SPC, and the remaining 135 working platforms for the Danish company Bladt Industries.

Although there is a large degree of synergy in the two subcontracts, there are also differences. We are producing and installing 1,000 linear metres of aluminium railings for the working platforms delivered to EEW SPC, whereas we are only responsible for the installing of a total of 5,700 linear metres of railings including gates for Bladt Industries.

Transportation to two destinations

Our RTG crane will transport the finished working platforms to the load out quay, and from here they will be loaded onto a barge by a floating crane. We are responsible for load out and transport to the two final destinations EEW OSB in Stockton-on-Tees on the east coast of England and Bladt Industries in Aalborg, respectively. The client will perform the unloading and the subsequent installation of the platforms.

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Data

- 165 concrete working platforms
- 5,800 m³ of concrete
- 1,000 tons of reinforcing steel
- 1,000 km of produced aluminium railings
- 5,700 km of aluminium railings incl. mounted gates
- Weight: approx. 90 tons incl. embedment parts and railings
- Dimensions l × w × h: 11.6 m × 8.9 m × 1.5 m (concrete measures).

Client

Bladt Industries A/S
(135 platforms)
EEW Special Pipe
Constructions GmbH
(30 platforms)

Contractor

Per Aarsleff A/S

Business partner

Aarsleff BIZ Sp. z o.o.

Contract form

Subcontract

Construction period

July 2019-March 2021

Contract amount

Confidential

Contact

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