

89 working platforms for Windpark Fryslân

In-house production of 89 concrete working platforms for offshore wind foundations



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Per Aarsleff A/S has in collaboration with the sister company Aarsleff BIZ Sp. z o.o. manufactured 89 concrete working platforms for the client Van Oord Offshore Wind B.V., who in a consortium with Siemens Gamesa Renewable Energy, is building the offshore wind farm Windpark Fryslân – a nearshore wind farm in the Dutch lake IJsselmeer. Windpark Fryslân will consist of 89 offshore wind turbines with a total capacity of 380 MW, and the offshore wind farm will generate electricity to almost 500,000 average households.

In-house production

The 89 concrete working platforms were produced in-house at our production facilities in Swinoujście, 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 was the first project where we had to provide working platforms,

which subsequently had to be installed offshore directly onto the load-bearing monopiles – also called a “TP-less” or a “No-TP” solution.

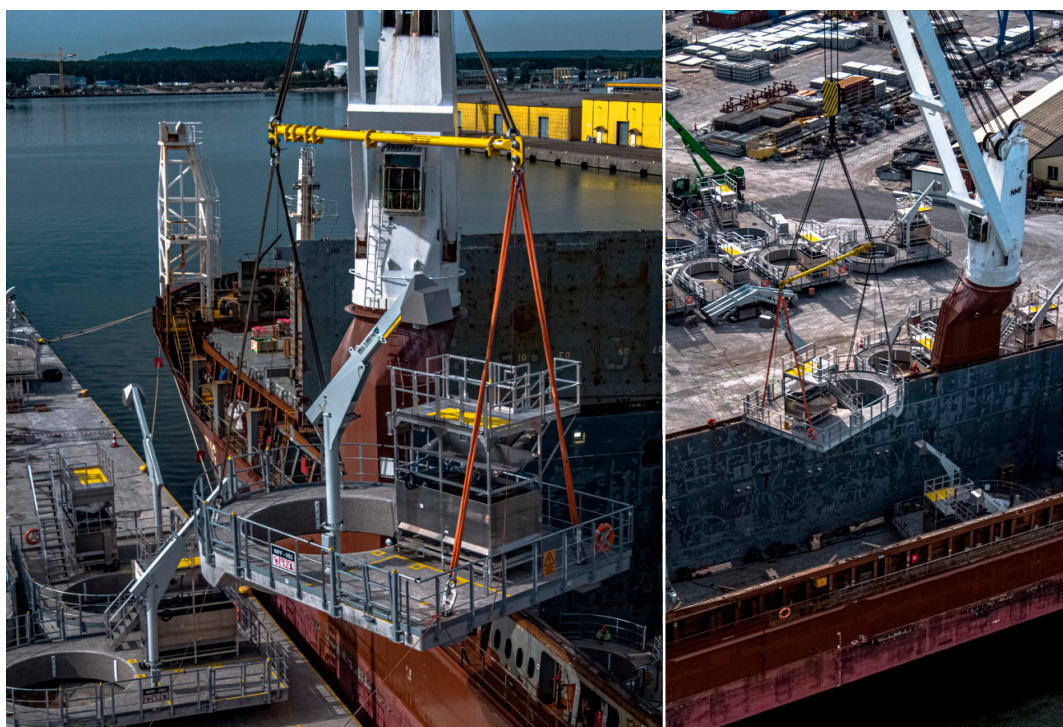
What made these platforms special was that the client had designed a steel mezzanine platform to be mounted on top of the concrete platforms. And we also produced and installed 2,700 linear metres of galvanized railings as well as various electrical equipment.

Challenging logistics

The logistics on this project was extra challenging, as the working platforms had to be in intermediate storage before load out. We made great use of our newly purchased RTG crane (rubber tyre gantry) before the working platforms were transported to the quay of load out. The client took over from here and arranged the subsequent transport to the destination in the Netherlands prior to the installation of the working platforms directly on the monopiles offshore.



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Data

- 89 concrete working platforms
- 2,500 m³ of concrete
- 670 tons of reinforcing steel
- 2,700 lm of galvanised HDG railings with gates
- Weight incl. Davit crane and mezzanine: 76 tons per working platform
- Dimensions l × w × h: 10.3 m × 6.9 m × 1.2 m (concrete measures).

Client

Van Oord Offshore Wind B.V.

Contractor

Per Aarsleff A/S

Business partner

Aarsleff BIZ Sp. z o.o.

Type of contract

Underentreprise

Construction period

November 2019-November 2020

Contract value

Confidential

Contact

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