



Scope of delivery:

- ✓ 690 V main switchboards
- ✓ 2 x 440 V auxiliary switchboards
- ✓ 3 x drive systems
- ✓ Electrical cabling
- ✓ BIMAC vessel management system
- ✓ Integration of all main electrical systems

Damen Shipyards Group

Bibby WaveMaster Horizon – Service Operations Vessel 2018

After the successful commissioning of Service Operations Vessel (SOV) Bibby WaveMaster 1, Damen Shipyards started building its successor Bibby WaveMaster Horizon, purpose-built for the transfer and accommodation of support and maintenance engineers at offshore wind farms. Electrical system integrator Bakker Sliedrecht has once again been commissioned by Damen to supply all main electrical installations for the luxury hotel vessel.

The Bibby WaveMaster is custom-designed to enable offshore wind operators to work more efficiently, more safely and in maximum comfort. Offshore support and maintenance engineers can stay out at sea for periods up to 30 days at a time in luxury accommodations, even in the toughest weather conditions. A motion-compensated transfer gangway allows maintenance personnel to walk safely between vessel and wind turbines or other offshore structures. Transfers by helicopter, daughter craft and CTV are also possible.

The Bibby WaveMaster Horizon will be deployed by Bibby Marine Services for the maintenance and operations of a German wind farm equipped with Siemens Gamesa wind turbines in the North Sea.

To guarantee a stable pinpoint accuracy, the Service Operation Vessel will be equipped with a dynamic-positioning system 2 (DP2) for which Bakker will supply all the integrated systems.

Bakker Sliedrecht will supply all main electrical installations like the main switchboard, two auxiliary switchboards and three low harmonic drive systems for the diesel-electric propulsion of the vessel. All drive systems will be equipped with an active filter, thus saving space and energy and preventing harmonic distortion and the risk of energy losses, failure of electronic equipment and overload.

Just like the first vessel, the Bibby WaveMaster Horizon will be equipped with Bakker Sliedrecht's BIMAC vessel management system. This user-friendly and reliable system manages all main and auxiliary functions of the SOV.



Do you have any questions?

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