



Scope of delivery:

- ✓ System integration
- ✓ 4 x Indar generators
- ✓ 4 x Indar main propulsion e-motors
- ✓ 4 x Thrusters
- ✓ 10 x LV drive systems
- ✓ 2 x 11 kV switchboards
- ✓ 2 x 690 V switchboards
- ✓ 4 x 440 V switchboards
- ✓ Integrated automation system

DEME

Orion DP offshore construction vessel - 2017

Bakker Sliedrecht has been awarded a contract for the engineering, delivery, and commissioning of the main electrical power package of the offshore installation vessel Orion. The DP3 vessel will feature an unrivalled combination of exceptionally high transport and load capacity, impressive lifting heights and green technology.

Empowering the first next generation offshore installation vessel

With a total installed electrical power of 44,180 kW, 'Orion' will be equipped with a high-tech crane with lifting capacity of 3,000 tonnes at more than 50 meters. The loads can be lifted to an unrivalled height of more than 170 m. The vessel can take the heaviest monopiles, jackets, wind turbine components and structures in a single shipment. With this unmatched combination of high load and lifting capacity, 'Orion' can transport and install the next generation of giant multi-megawatt wind turbines.

Low voltage multidrive systems

The Orion will be equipped with ABB ACS 880 liquid-cooled low voltage multidrive system. The new model of ABB has a very high power density, yielding a lot of power out of a small footprint. The ABB ACS 880 is maintenance friendly and already compliant with future regulations.

Experienced with building DP offshore installation vessels

Jan Gabriël and Wouter Eyckmans, heads of DEME's newbuilding and automation departments: "We look forward to working with Bakker Sliedrecht on a ship that is breaking boundaries. Our experience with Bakker Sliedrecht, gained during earlier projects, and the experience of Bakker Sliedrecht with delivering complex electrical systems for DP offshore installation vessels strengthens our confidence in a great project execution."

Delivery in 2019

The Orion will be delivered to DEME in 2019.



Do you have any questions?

Call: +31(0)184 43 66 66

Mail: info@bakker-sl.nl