

## **INSTALLATION OF HVAC CABLE**

**Offshore Marine Management installs HVAC cables connecting Bard Offshore 1 and BorWin Alpha platforms.**

TenneT Offshore GmbH contracted Offshore Marine Management for the delivery of the following services:

- ▶ Cable route survey using an ROV
- ▶ Seabed clearance
- ▶ Installation of two 1.1km HVAC cables
- ▶ Pull-ins, trenching and post-trench depth of burial surveys
- ▶ Provision of high-tech, multi-purpose DP2 vessel, subcontracted specialized subsea vehicles, CT1 and Triton XLX35, and cable equipment
- ▶ Inspection of topside preparatory works

Offshore Marine Management (OMM) was responsible for the installation of two 1.1km HVAC cables (208mm OD) between the principle platforms at a water depth of approximately 40m. The DC export cables run from the BorWin alpha platform to the Island of Norderney where onward cables connect to Diele for power to enter the German grid.

OMM's operations were conducted from the MV Seabed Worker, a state-of-the-art, multi-purpose DP2 vessel which was one of a selection of tools and resources OMM specifically selected to suit the needs of this project.

The scope of work included the inspection of the J-tubes, mudline dredging, visual route surveys, pre lay grapnel runs and full preparatory topside works on both platforms for the J-tube pull in operations. This was followed by cable installation with associated pull-ins, trenching and post trench depth of burial surveys. Both cables were successfully installed and buried to a protected depth of 1.5m.

OMM faced a variety of challenges during the project; BorWin 1 is an unmanned platform so helicopters had to be used for personnel movements, despite which, the project budget was not exceeded. Bard platform also presented issues, when elevated into position, its' supporting wires dropped into the sea, blocking access to the J-tubes. A dive vessel was quickly mobilized to remove debris and avoid project delays for the client.

Ultimately, TenneT was pleased with OMM's delivery of the project;

*“The company has worked according to high industry standards from engineering to final reporting and of course the installation itself.”*

**Benjamin Hühnerbein, Project Manager at TenneT**

### **QUICK LOOK**

**Bard Offshore 1 /  
Borwin Alpha**

**TenneT Offshore GmbH**

**German Bight**

**August 2013**

**November 2010**

**Cable & Umbilical  
Installation**

For further information or to arrange a meeting with the team, please contact [info@offshoremm.com](mailto:info@offshoremm.com)

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