

Case Study: Gode Wind 1

1.0 Facts

Client:
TenneT TSO

Location:
40 km north-west of Norderney / Germany

Category:
Burial Assessment Study (BAS) review

Facts:
BAS and installation manual review

Duration:
1 month

Completion Date:
March 2015

2.0 Introduction

Gode Wind 1, an Offshore Windpark with a rated output of 330 MW is located approximately 40 km north-west of the German island of Norderney.

The Offshore Windpark transformer platform at Gode Wind 1 will be connected to the converter on the DolWin beta offshore platform of TenneT TSO GmbH.

The Gode Wind 1 Export Cable consists of two routes: two parallel cable routes of each approx 8.5 km in length, 100 m apart. The AC cables are to be buried 1.5 m into the seabed, where the permit requirements stipulate 1.5 m soil cover on top of the cable. Trenching depth is therefore to be at least the cable diameter more than 1.5 m.

3.o Summary

Primo Marine was approached by TeneT TSO in order to review the NSW, BAS and installation manual documents for Gode Wind 1 cable.

Primo Marine reported afterwards an independent review of the BAS and PRO-KO-01 cable burial installation method.

4.o Scope of Work

Primo Marine carried out the following tasks regarding the two Gode Wind 1 Export Cables:

Review of Gode Wind 1 BAS by NSW:

- Revision of BAS document.
- Produced a review report, including recommendations.

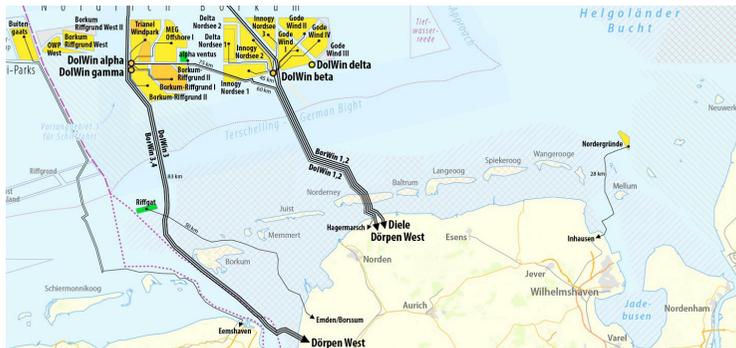
Review of Gode Wind 1 NSW cable installation procedure:

- Review document.
- Produced review sheets.

5.o Highlights

Primo Marine achieved the objective for this project, which was to provide a statement with regards to:

- The confidence in the provided BAS, as assessment of the trenchability of the two Gode Wind 1 AC routes.
- The confidence in the selected trenching tool for the Gode Wind 1, cable routes.
- The confidence in the trenching approach with the selected trencher, as described in the BAS.



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