

# Project Datasheet

**Project** Van Oord / HKZ Hollandse Kust (Zuid) Export Cables Alpha & Beta

**Scope** Transportation of 8,000 Ton and 6,600 Ton High Voltage Cables

## 1. Project Overview

The Hollandse Kust (Zuid) Alpha and Beta wind parks combined will supply 1,500 MW of renewable energy, sufficient to supply up to 3 million households with power.

## 2. Scope of Work

Van Oord has awarded Blue Offshore Rental Services (BORS) a contract for the provision of a full spread to transport two main Alpha cables, two main Beta cables with spare cables from Hellenic Cables in Greece to Rotterdam port in the Netherlands. The spare cables have been transported to Tennet storage factory to Eemshaven in the Netherlands.

For this work BORS has mobilized the world's first certified double basket carousel barge, with each basket carousel carrying approximately 4,000 tonnes of cables. Besides two large basket carousels (23m OD and 26m OD) and the dedicated control systems, all deck engineering, technical crew and complete mobilization service was provided by BORS.



Figure 1 • Blue Offshore's Basket Carousels onto CC Atlantique in Rotterdam Port and loading in Greece

### Contact

For more information visit our website [www.blueoffshore.com](http://www.blueoffshore.com) or contact our office:

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In the first 23m OD basket carousel the cables for Alpha 1 and the spare cables have been transported. In the second 26m OD basket carousel the cables for Alpha 2 have been transported. Both basket carousels were hydraulic powered by a separate HPU which was positioned near the basket carousels in operation at the time.

For the Beta scope the same setup has been used as the Alpha scope.

For this transport the barge CC Atlantique has been mobilized, which was chartered by Van Oord.

In Rotterdam, the Netherlands, the main Alpha cables have been spooled onto Van Oord Nexus cable installation vessel. The spare cables have been spooled into an onshore basket carousel at Eemshaven in the Netherlands.

In Vlissingen, the Netherlands, the main Beta cables have been spooled onto Van Oord chartered DEME Livingstone cable installation vessel.

The scope of work included the following elements:

- Project management, design and engineering;
- Fabrication and construction services;
- Mobilisation onto barge CC Atlantique at RHB-quay Rotterdam and Vlissingen, NL;
- Loading export cables at Hellenic, Greece;
- Offloading at Rotterdam, Delftzijsl and Vlissingen, NL;
- Demobilization of basket carousel system from barge CC Atlantique at RHB-quay Rotterdam and Vlissingen, NL.



**Figure 2 • Blue Offshore's Basket Carousel unloading in Rotterdam Port the Netherlands**

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### 3. Timing

The Hollandse Kust (Zuid) Alpha transportation scope has been executed from March 2020 till October 2020. The Hollandse Kust (Zuid) Beta transportation scope has been executed from April 2021 till August 2021. Beta is scheduled for completion in 2022.

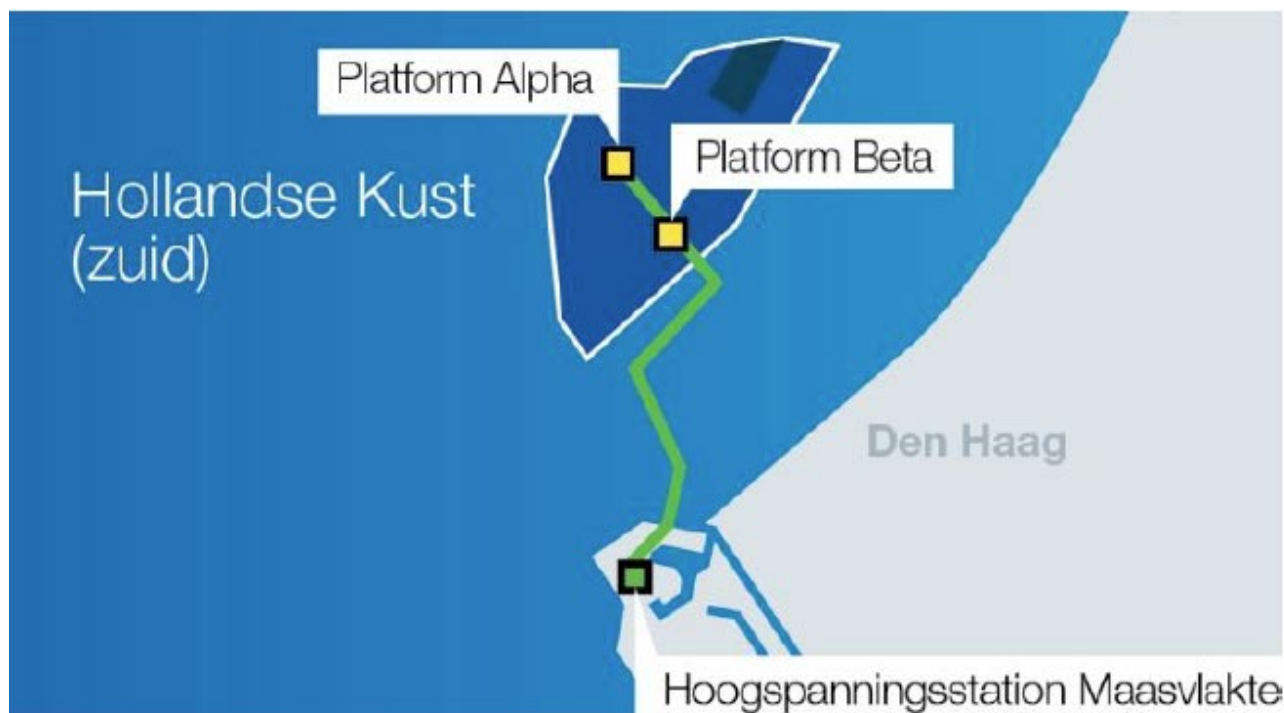





Figure 3 • HKZ Project Location

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