



## Profile

# Offshore Wind Projects





Svanen, heavy lift installation vessel

## Company profile

Van Oord is a pre-eminent contractor for dredging, marine engineering and offshore and energy projects (oil, gas and wind) and provides innovative solutions for marine engineering challenges. The company is an independent family business, based in the Netherlands and operates in more than fifty countries around the world. Our staff are committed, entrepreneurial professionals who are passionate about water and technology.

Van Oord provides marine engineering solutions which are of value now and in future and in which safety, sustainability and continuity go hand in hand. Van Oord is mindful of its value chain, which extends all the way from suppliers to clients.

### Sustainable EPC and Marine Contractor

Van Oord has been involved in a large number of offshore wind energy projects in the past decade. Originally Van Oord focused on construction activities such as export and inter-array cable installation, scour protection and seabed preparation. Since 2002 we have expanded our activities with foundation and turbine installation to provide our clients with an integrated installation package.

In 2007 Van Oord established a separate business unit Offshore Wind Projects (OWP) to consolidate all activities for offshore wind farm construction. Since then we have been responsible for the design, engineering, procurement en construction (EPC) of many wind farms in Europe for the Balance of Plant scope.





Nexus, cable-laying vessel

## Marine ingenuity

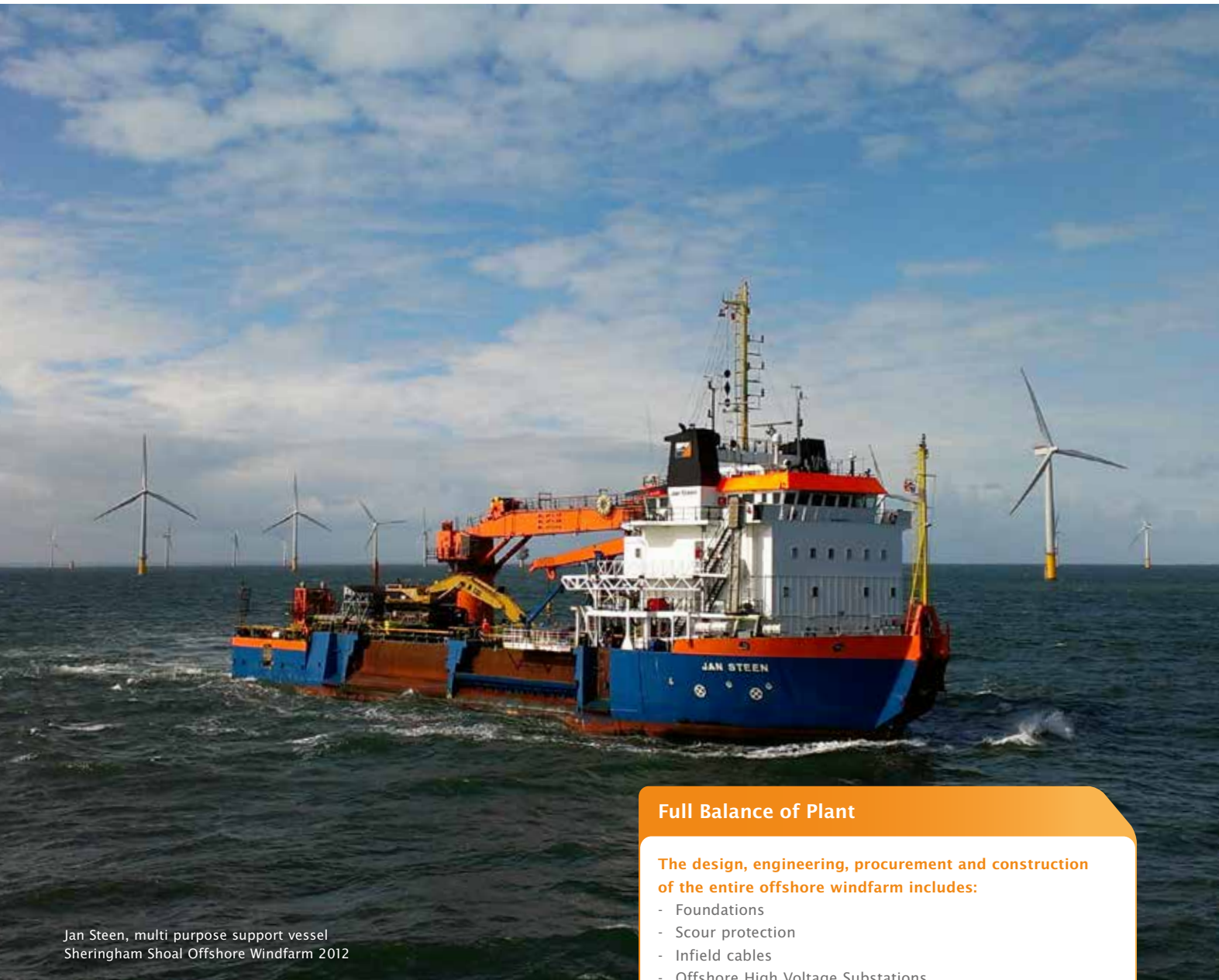
### Innovative partner

We believe it is important to innovate and partner with our clients, both during the tendering stage and during project execution. In all tendering procedures and projects to be carried out, we investigate ways of completing the project better, faster or at lower cost. Our centre of excellence is our international Engineering Department, which combines the necessary high-quality expert knowledge of design, construction and research.

### Our equipment

The visionary projects of our clients can only be realised by the best people working with the latest technology. That is why Van Oord operates the world's most advanced fleet, which encompasses specialised vessels and dedicated equipment and tools.

Van Oord Offshore Wind Projects ordered the Aeolus, an innovative offshore installation vessel for transport and installation of foundations and wind turbines, which became operational in spring 2014. The vessel is 139.40 m long, 38.06 m wide and is fitted with a crane capable of hoisting over 990 tonnes. In spring 2015 Van Oord's first cable-laying vessel for constructing offshore wind parks became operational. The Nexus is 122.68 m long and is equipped with a 5,000 tons carousel and a 100 tons knuckle-boom crane.



Jan Steen, multi purpose support vessel  
Sheringham Shoal Offshore Windfarm 2012

## Our activities

Van Oord Offshore Wind Projects focuses on EPC contracting projects. Our fully integrated EPC services encompass detailed design and verification, procurement of materials and associated services, and installation/construction and commissioning services: all delivered in one complete package. In addition to our EPC activities, we provide construction services, such as foundation and WTG installation, cable installation and scour protection for offshore wind farms to various contractors.

### Full Balance of Plant

**The design, engineering, procurement and construction of the entire offshore windfarm includes:**

- Foundations
- Scour protection
- Infield cables
- Offshore High Voltage Substations
- Export cables
- Dredging/backfilling works
- WTG installation
- Onshore works



HAM 602, cable-laying vessel





## Our projects

Artist impression Eneco Luchterduinen Offshore Wind Farm

### Prinses Amalia Offshore Wind Park, The Netherlands

Execution: March 2006 - November 2007

Scope: EPC for the Balance of Plant of the entire 120 MW offshore wind farm

### Belwind Phase I Offshore Wind Park, Belgium

Execution: July 2009 - December 2010

Scope: EPC for the Balance of Plant of the entire 165 MW offshore wind farm

### Aeolus Meteo Masts Project, The Netherlands, Germany

Execution: September - October 2011

Scope: EPC contract for two meteo masts in the North Sea

### Teesside Wind Farm, United Kingdom

Execution: February - December 2012

Scope: EPC for the Balance of Plant of the 62 MW offshore wind farm

### Dan Tysk Offshore Wind Farm, Germany

Execution: June 2013 - end of 2013

Scope: EPC for 88 inter-array cables for the 288 MW offshore wind farm

### Eneco Luchterduinen Offshore Wind Farm, The Netherlands

Execution: 2013 - 2015

Scope: EPC for the Balance of Plant of the entire 129 MW offshore wind farm

### Gemini Offshore Wind Park, The Netherlands

Execution: 2014 - 2016

Scope: EPC for the Balance of Plant of the entire 600 MW offshore wind park

### Westermeerwind Offshore Wind Farm

Execution: March - May 2015

Scope: EPC for the full Balance of Plant of the entire 144 MW offshore wind farm

### Installation contracts

- Horns Rev I & II
- Arklow Bank
- Scroby Sands
- Docking Shoal and Race Bank
- Lynn Inner Dowsing Test pile
- Burbo Bank
- Sheringham Shoal
- Greater Gabbard
- Gunfleet Sands
- London Array



Cable installation at Dan Tysk Offshore Wind Farm



## Safety first

Safety is always at the heart of everything we do, no matter where our work takes us. Safeguarding life is our licence to operate on the global market. The downward trend in accidents continues. We owe this to our proactive safety culture and training. Our employees actively contribute to health and safety guided by the motivation and support of our management.

Projects are operated and executed under the Van Oord Management System (VOMS). The VOMS is an integrated management system. It covers quality, health, safety and environmental requirements in line with the requirements of the below mentioned standards and industrial best practices. It is developed and certified based on the following standards: ISO 900:2008, ISO 14001:2004, OHSAS 18001:2007, VCA/SCC, ISM Code and ISPS Code.

Please contact our representative at your nearest Van Oord office.

Visit our website for the contact details: [www.vanoord.com](http://www.vanoord.com)

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