

## INSTALLATION OF 60 TRANSITION PIECE FOUNDATIONS

**General**

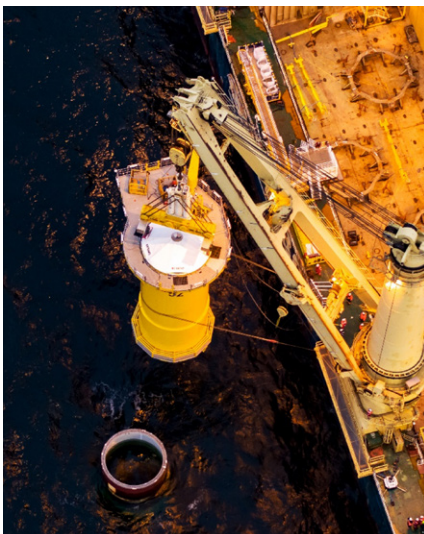
Project	Arkona Becken Südost Offshore Wind Park
Location	Baltic Sea, German Waters
Water depth	23-37 m
Client/Operator	Van Oord Offshore Wind Projects / Eon
Award date	Q1 2017
Installation date	Q4 2017 – Q1 2018

**Technical data**

Quantity / Size / Weight	60 Transition Pieces, each: <ul style="list-style-type: none"> <li>• Height 18.0 m</li> <li>• Weight 290 t</li> </ul>
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**Equipment Resources**

Installation Vessel	HLCV Fairplayer
Key Equipment	<ul style="list-style-type: none"> <li>• 2 x 400 t Passive Heave Compensator</li> <li>• Remotely Controlled Hydraulic Lift Beam</li> <li>• Monopile Cleaning Spread</li> <li>• Motion Compensated Gangway (SMST)</li> <li>• Grouting Spread</li> <li>• Bolting Spread</li> <li>• Survey Spread</li> </ul>

**Scope of Work**

The scope of work comprised of the project management, engineering, inshore loading (Sassnitz), offshore transport and installation of 60 Transition Pieces onto pre-installed Mono Piles. Jumbo's detailed scope also included the design and supply of all installation aids, lifting gear, grillages and sea fastenings.

**Project Highlight**

The Arkona Transition Pieces were the first-ever bolted TPs installed from a floating vessel. In close cooperation with E.On and Van Oord, a safe and robust solution was engineered for the alignment, landing and bolting of the TP flange onto the monopile.