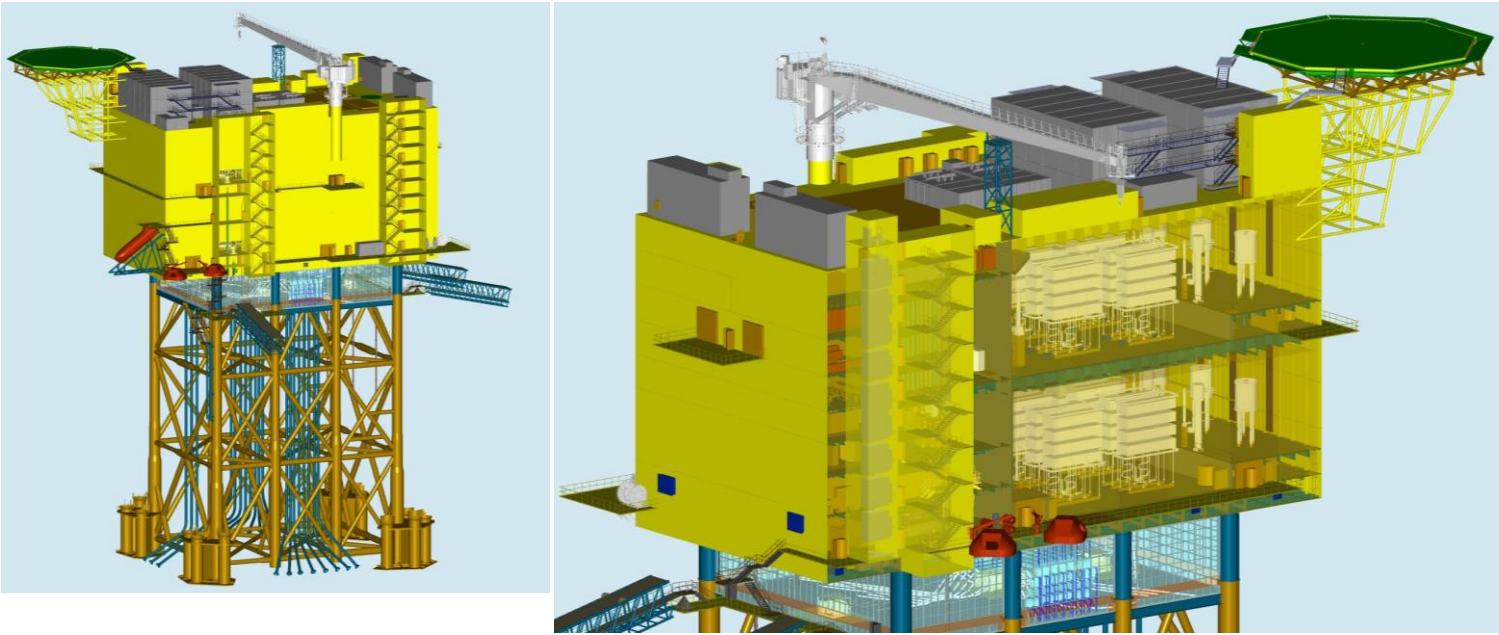




**Dragados Offshore**  
Building Excellence Worldwide



## BorWin5 HVDC CONVERTER PLATFORM

Owner:



**Location:** German North Sea

**Construction Site:** Cadiz - Spain

**Completion Date:** May 2025

**Contract Type:** Lump Sum

**Total weight:** Jacket 7,000 tons and Topsides 12,000 tons.

**Project Description:** Dragados Offshore under in Consortium with Siemens, will develop, build and deliver the HVDC converter platform of BorWin5 HVDC Converter Platform for Tennet.

The project consists on a 900 megawatt capacity system for the transmission of electrical energy between the offshore wind farm He Dreiht operated by EnBW in the German North Sea and a grid connection point on land.

With the project BorWin5, the client plans a direct current connection in the North Sea Cluster 7. The three-phase current generated in the wind farm is to be converted from 66kV to direct current of  $\pm 320$  kV on the offshore converter platform BorWin epsilon and transported via an approximately 120 kilometer long submarine cable via Norderney to the mainland to Hilgenriedersiel. From there, the electricity is to be transported via an approx. 110 kilometer long underground cable to the grid connection point Garrel/Ost, north of Cloppenburg.

Dragados Offshore is responsible for providing the offshore platform (including detail design and engineering, procurement, fabrication, construction, load out, transportation, installation and hook-up of the offshore platform, and installation and commissioning of its platform systems, except for the HVDC system, which is the scope of work of its partner Siemens, who will also provide the onshore HVDC substation. The platform is a "stand-alone" platform, including modular living quarters and helideck, and has a total weight, including Siemens' HVDC equipment, of approximately 12.000 t, while the jacket weighs approximately 7.000 t.