



## DolWin 4 & BorWin4 HVDC Grid Connection Projects

Owner:



**Location:** German sector of the North Sea

**Construction Site:** Cadiz - Spain

**Completion Date:** November 2028 (DW4) & February 2029 (BW4).

**Contract Type:** EPCI

**Total weight:** DW4 Jacket 6,340 tons (water depth 30,8 m) and BW4 Jacket 7,340 tons (water depth 38,8 m)  
Each Topside has a weight of 11,930 tons.

**Project Description:** Dragados Offshore, S.A. in Consortium with Siemens Energy, will develop, build and deliver the HVDC Grid connection platforms of DolWin4 and BorWin4 for Amprion Offshore GmbH. Each project consists of a 900 megawatt capacity system for the transmission of electrical energy.

Dragados Offshore is responsible for providing the two offshore platforms, that is jackets and topsides (including detail design and engineering, procurement, fabrication, construction, load out, transportation, installation, hook-up and commissioning of the platform systems). The HVDC system is the scope of work of our partner Siemens Energy, who will also provide the onshore HVDC substations connected to both platforms.

BW4/DW4 HVDC converter platforms will be 'Stand-Alone' platforms. Connection to other platforms is not envisaged.

The two HVDC onshore stations for DolWin4 and BorWin4 are connected to the Hilgenberg switchgear as well as being linked to the 380 kV link that is to be built to the grid access point at Hanekenfähr for the AC transmission grid. Within Germany's Energy Transition plan, the Hanekenfähr grid access point was seen as the "technically most expedient and cost-effective solution" for the NOR-3-2 (DolWin4) and NOR-6-3 (BorWin4) connection systems.

Amprion is the transmission system operator responsible for this area and for both systems.

With a total transmission capacity of 1.8 GW, these converter stations will be sufficient to supply the electricity for a major city like Hamburg of 1.8 million people.