



DOLWIN 6 HVDC GRID CONNECTION

HVDC CONVERTER PLATFORM

Owner:



Location: German North Sea

Construction Site: Cadiz - Spain

Completion Date: May 2023

Contract Type: Lump Sum

Total weight: Jacket 4,200 tons and Topsides 11,000 tons.

Project Description: Dragados Offshore under his partnership agreement with Siemens, will develop, build and deliver the HVDC converter platform of DolWin6 HVDC grid connection Project for Tennet.

The 900 megawatt capacity system consist of an offshore HVDC converter platform located in the German North Sea, and an HVDC onshore station in the region of Emden.

The offshore converter platform transforms power from the incoming wind turbines via 155 kV high voltage cables AC to 320kV high voltage DC, exporting it to the converter station onshore, where the power is converted back to AC and to be connected to the high voltage AC grid. The platform will be bridge-linked to the existing Dolwin beta platform.

Scope of work: Design, supply, construction, transportation and installation of the platform and the jacket, while the scope of work to be performed by Siemens is the design and supply of the HVDC equipment of both substations and the development of the onshore station. Jointly the installation will be commissioned, tested and put into operation.