

Rotech Case Study

TRS1

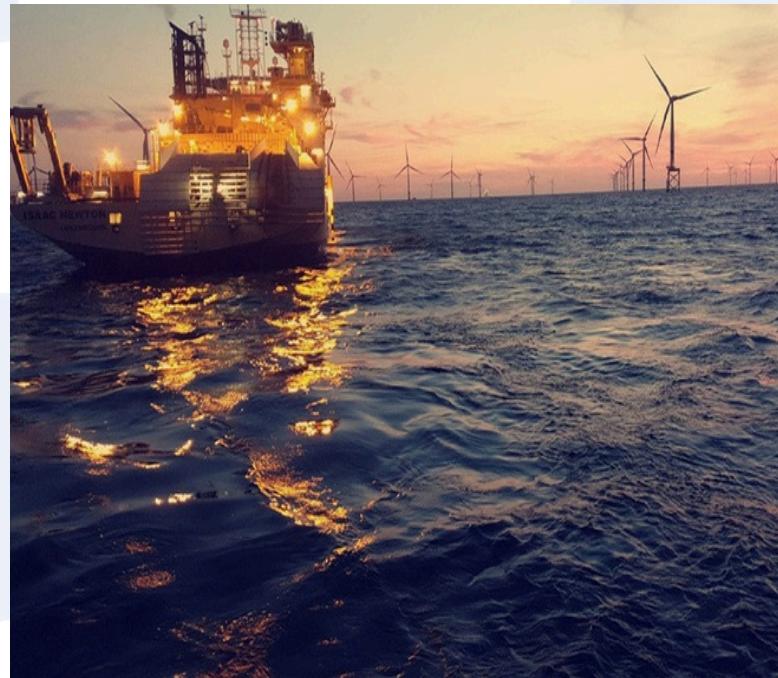


Cable De-burial & Post-lay Trenching - Germany



Project Overview

Jan De Nul contracted Rotech Subsea to deliver cable de-burial and post-lay trenching services using the TRS1 Controlled Flow Excavation (CFE) tool. The operation was carried out at a German offshore wind farm, where Rotech Subsea was tasked with achieving a Depth of Burial (DoB) of 1.7 metres following the installation of new subsea inter-array cables. The project was carried out during Q3 2019.



The Rotech Solution

Rotech Subsea mobilised its spread of equipment aboard the Glomar Wave, deploying the TRS1 tool via the vessel's crane. The scope included the de-burial and re-burial of two inter-array cables with a total length of approximately 1.75 kilometres. This involved the controlled dispersal of Rock Armour up to 1.7 metres deep to access and lower the cables. The soils encountered were predominantly clay, with shear strengths reaching up to 80 kPa.

Results

Rotech Subsea completed the de-burial and trenching works in two passes, achieving an average progress rate of 2 metres per minute. The inter-array cables were successfully trenched to Jan De Nul's specified depth, demonstrating the TRS1 tool's capability in challenging soil conditions and contributing to the secure installation of the offshore wind farm infrastructure.

Project Information

Client: Jan De Nul

Scope: Cable De-burial & Post-lay Trenching

Water Depth: 22m LAT

Soils: Predominantly clay

Currents: 2.5knts

Sea State: 1.8 Hs

Vessel: Spirit