

Sandwave Clearance - OSW Taiwan



Project Overview

Seaway 7 contracted Rotech Subsea to support sandwave clearance operations at the Yunlin Offshore Wind Farm (OWF) in Taiwan. The scope of work was divided into two phases, with Phase 1 completed in the third quarter of 2020 and Phase 2 scheduled to begin in early 2021.

The objective of the project was to lower and level the seabed to enable vessel access to the worksite during spring tides. Rotech's TRS2 Controlled Flow Excavation (CFE) tool was selected for its high-volume output and capability to efficiently displace large amounts of subsea material.

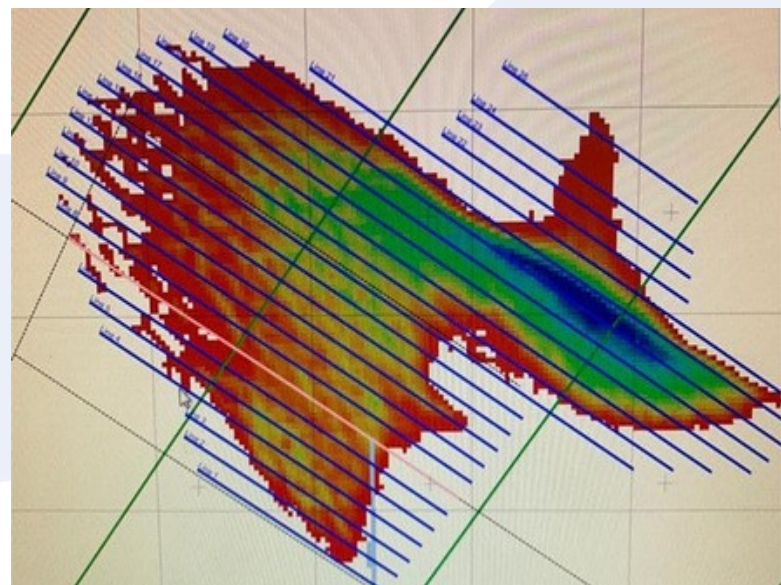
The Rotech Solution

Rotech deployed its TRS2 tool aboard the Topaz Installer, operating in water depths of 5 to 10 metres. The TRS2 was used to perform seabed lowering excavations, completing 25 grid line clearances across the site. The target areas required varying degrees of seabed reduction, ranging from 0.4 metres to 1.8 metres in height. Excavation speeds ranged from 4 to 10 metres per minute, depending on the volume and density of the material being displaced. The efficiency and performance of the TRS2 allowed for rapid and precise sandwave clearance in line with the project requirements.

Results

Phase 1 of the project was successfully completed, meeting all technical objectives and timeline requirements. The TRS2 tool proved highly effective for the task, demonstrating excellent performance in terms of both excavation speed and volume displacement.

Rotech Subsea returned to the Yunlin OWF to complete Phase 2 in early 2021, building on the success of the initial campaign.



Project Information

Client: Seaway 7

Scope: Sandwave Clearance

Water Depth: 5 - 10 metres

Soils: Soft to Dense Sands

Vessel: Topaz Installer