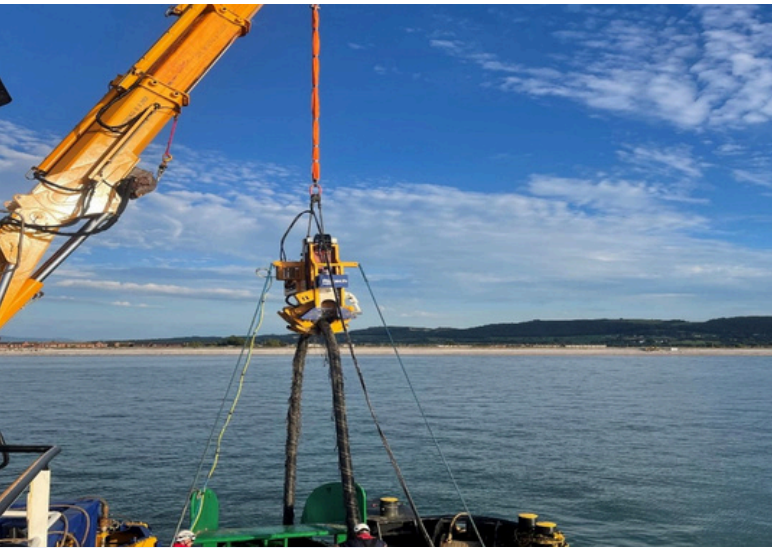


Export Cable De-Burial & Recovery - Gwynt y Môr OWF



Project Overview

Rotech Subsea was contracted by N-SEA to support a complex nearshore cable operation involving cable de-burial, cable cut-recovery, and post lay trenching of the replacement export cable section. The project commenced in Q3 2024.

The scope included, accessing the fault location, recovering the damaged cable and completing the lowering of the replacement cable and cable joint. Challenging seabed conditions were encountered ranging from sandbanks through to cohesive clay. Operations were conducted from the Green Isle, Multicat vessel.

The Rotech Solution

Rotech deployed its RS1-LD and RSGC to execute the de-burial, recovery of cable and post lay trenching. De-burial and cable lowering operations were carried out at a vessel speed of 1-2 metres per minute. The RSGC was deployed for precise cable cutting and recovery.

Following testing and sealing, the cable was laid down with subsea rigging for future recovery. The repaired cable and joint were then post lay trenching.

Results

Rotech successfully de-buried and recovered approximately 231 metres of export cable, overcoming challenging seabed conditions that included cohesive Clay and sandbank transitions.

De-burial depths ranged From 0.5 to 2.5 metres below the mean seabed level (MSBL), with particularly hard ground encountered near the shore.

The RS1-LD and RSGC tools performed reliably throughout post lay trenching the cable to a minimum of 1m depth below MSBL.

Two passes were completed on the cable, ensuring target depths were achieved.

The client was satisfied with the results, particularly given the difficult seabed conditions.



Project Information

Client: N-Sea

Scope: Export Cable De-Burial & Recovery

Water Depth: Shallow

Soils: Ranging from Sands to Cohesive Clays

Sea State: Moderate

Vessel: Green Isle, Multicat Vessel

This case study highlights Rotech Subsea's ability to deliver precise and effective cable de-burial, recovery, and reburial operations in challenging seabed conditions, showcasing the reliability of its specialised tools