# De-burial, Cut & Recovery Works - Offshore Germany



## Project Overview

In the first quarter of 2023, Rotech Subsea successfully completed a cable deburial, cutting, and recovery scope offshore Germany. Operating in water depths between 22 and 26 metres LAT, the seabed comprised soft sand and was subject to moderate sea states of 0.5 to 1.0 metres and currents ranging from 0.5 to 1.2 knots. The works were conducted from a 99-metre DP-2 class offshore construction vessel. The objective was to de-bury, cut, and recover to deck four damaged array cable sections.

## The Rotech Solution

Rotech deployed its TRS2 & RSG-C cable grab cutter to carry out the scope. The TRS2 was used to de-bury damaged cable sections. Each de-burial operation typically took 30 minutes or less from locating the cable to full exposure. Once exposed, the RSG-C was deployed to locate, grab, cut, and recover the cables in a single operation. The entire process—from identifying the cable to securing the cut ends on deck was completed in under one hour for each section. Following the repair works, the TRS2 was utilised again to re-bury the new cable sections. Re-burial to a depth of 2 metres Top of Cable was achieved in 30 minutes or less per section. A 10-metre transition from 2 metres depth to 0 metres at the Cable Protection System (CPS) was also completed in just 15 minutes.



## Results

The operation demonstrated the efficiency and capability of Rotech's TRS2 and RSG-C tools. The onboard Gemini NBI sonar on the TRS2 enabled accurate location and monitoring of cables throughout the operation. The RSG-C was equipped with NBI sonar, video, and lighting systems, providing consistent real-time feedback. Where required, sonar monitoring could also be performed remotely from shore.
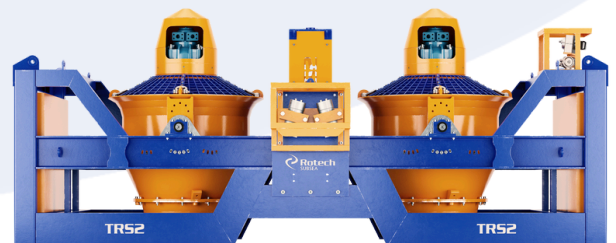
### Project Information

**Client:** Boskalis
**Scope:** De-burial, Cut & Recovery
**Water Depth:** 22m - 26m LAT
**Soils:** Soft Sands
**Currents:** 0.5 - 1.2 knts
**Sea State:** 0.5m - 1.0m
**Vessel:** 99m DP-2 Class OS Construction Vessel

**Rotech SUBSEA**

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