

Cable De-burial & Post-lay Trenching - Netherlands



Project Overview

Rotech Subsea was contracted by Prysmian Group on two separate occasions during Q2 and Q3 to undertake the de-burial and subsequent post-lay trenching of a subsea power cable. The operation was necessary to facilitate cable repair and ensure it met Prysmian's burial specifications. The project involved trenching a 180mm cable to a depth of 1.50m (Bottom of Trench) in water depths reaching up to 160m. The seabed conditions comprised predominantly sandy soils with intermittent sections of firm clay sand.

The Rotech Solution

Rotech deployed its RS2 Controlled Flow Excavation (CFE) tool, chosen by the client for its unmatched technical capabilities and performance efficiency. The RS2 equipment spread was mobilised aboard the Olympic Artemis in Q2 and the Connector in Q3, with deployment carried out via the vessel cranes. The RS2 tool demonstrated exceptional performance across both de-burial and trenching operations. It achieved an average progress rate of 4 metres per minute in sandy soils and 2 metres per minute in areas of firm clay.

Results

The RS2 tool enabled Prysmian Group to efficiently access and repair the cable, followed by successful post-lay trenching to the required specification. The high productivity and consistent trenching performance delivered notable time and cost savings for the project. The RS2's adaptability to varying soil conditions ensured the operation was completed safely, efficiently, and to the client's satisfaction.



Project Information

Client: Prysmian

Scope: Cable De-burial & Post-lay Trenching

Water Depth: Up to 160m

Soils: Sands with sections of firm clay

Vessel: Olympic Taurus (Q2) & Connector (Q3)