

Oceaneering Uses Compact RWOCS to Complete Vertical Tree Installation in the North Sea

Successful operations mark kick-off of larger RWOCS campaign



Project Overview

In early 2020, Oceaneering was contracted to supply and operate its Compact ROV Workover Control System (CRWOCS) to support the installation of vertical x-mas trees (XT) for a major E&P company. The project site in the North Sea meant that the compact system was an ideal solution to address space limitations while maintaining exceptional functionality and reliability.

While the customer had various options to address their workover and completions needs, they ultimately chose Oceaneering based on our long track record in completing these work scopes in the North Sea. Since 2012, Oceaneering has successfully supported XT operations in the region, completing 26 mobilizations of the same technology to complete over 54 XT installation and plugging and abandonment projects.

The Oceaneering Solution

The CRWOCS boasts high functionality while being nimble enough to work within the confines of the subsea infrastructure.

The customer also required a system capable of being deployed from both a rig and a vessel as both methods were scheduled to be used during the installation operations. With reduced footprint, expedited mobilization, and the ability to reduce personnel on board, the CRWOCS provided the ideal solution.

Execution Plan

In order to support the successful installation of the first vertical tree, the Oceaneering team completed configuration of the system and system integration testing in Bergen, Norway, one week prior to the commencement of the offshore operations.



The CRWOCS was deployed from Oceaneering's facility in Stavanger. The system was installed onto an Oceaneering Magnum® work class ROV and successfully supported the installation activities over the course of less than two days.

While the ROV was piloted by rig-based personnel, all technical support was delivered from onshore locations. Additionally, high bandwidth data communications enabled the customer to view operations in real time from their location.



Results

The CRWOCS delivered flexibility, adaptiveness, and responsiveness for the client's operations. The Oceaneering team was able to effectively and efficiently configure the skid to meet the project requirements and execute the project work scope in advance of the targeted completion date.

Providing the customer with real-time project monitoring added an extra level of reassurance of the status of operations while using the CRWOCS. This successful campaign commences a project work scope that is scheduled to stretch into mid-2021.