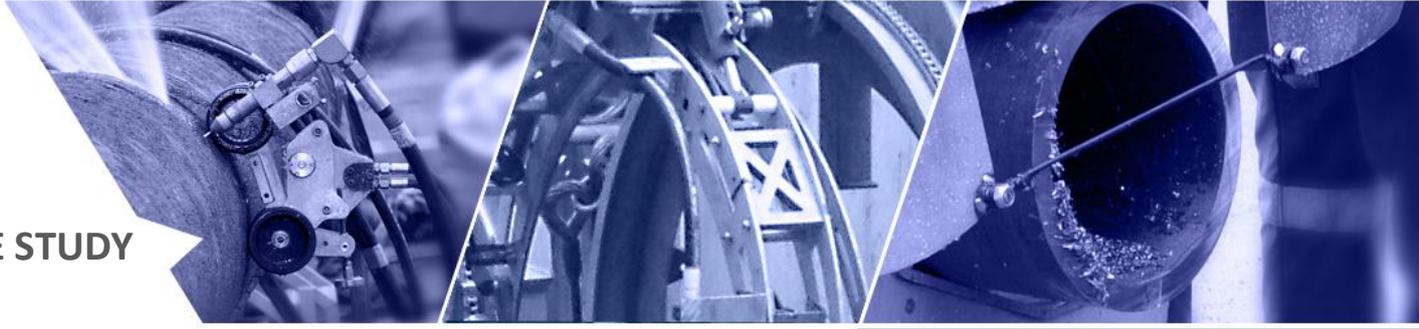


CASE STUDY



Overview

We were approached by McDermott's to come up with a method of efficiently removing the coating from the Horizontal and Vertical Jacket members on the BP operated Deep Water Gunashli (DWG) Platform situated in the Caspian Sea. The purpose of this was to provide an SA2.5 surface finish at 13 subsea elevations to enable the retro fitting of riser clamps and ultimately the installation of 3 new risers which would increase production on the facility.

Background

McDermott is a leading engineering, procurement, construction and installation company focused on executing complex offshore oil and gas projects worldwide

Origins

We at UCS were tasked with developing our Coating Removal Tool (CRT) to provide a bespoke cleaning solution to suit all the risers' clamps. Our goal was to provide the best Coating Removal System on the market which would minimize handling and maximize our cleaning efficiency.

Requirement

With an extremely tight deadline, we had only 10 weeks to commission 3 bespoke CRT's c/w Control Cabin and SCADA Control operating System. We developed our CRT System to be SCADA controlled, which allowed for precise control and giving our Client the full log data for every clean in digital format. Due to the various sizes of subsea members to be cleaned, which ranged from 700mm to 1500mm in diameter and 1200mm to 9000mm in length. Our operating software had to be versatile enough to be easily changed for each different size CRT and member diameter.

Approach

Our clear goal for our operating system was to create a software interface that was user friendly and could be fully automated, which in turn created an ergonomically sound environment for our Technicians to work in. We took the same approach with our CRT's, and came up with a system that requires minimal Diver time to install onto the required area to be cleaned.

Results

We commissioned our System with yard trials in March 2012 and received very positive results which surpassed both UCS and McDermott expectations. We have subsequently been operating our Coating Removal System out in the Caspian and through continual improvement have improved our system even further, which is now even more efficient.

Benefits

Our Client has benefited as a result of UCS providing a bespoke solution to a very specific requirement and in turn has brought an innovative Coating Removal System and operating system into a competitive market.

