

## **MDL completes double transpooling in Norway**

Maritime Developments (MDL) has carried out transpooling of 64km of MEG coiled tubing for two subsea contractors: Ocean Installer and DeepOcean, kick-starting cost efficiencies ahead of their respective offshore missions.

The operation consisted of transpooling MEG injection lines from 28 Tenaris transportation reels onto 7 Client-supplied offshore installation reels for two separate subsea installation projects, using MDL flex-lay spread operated by the company's expert technicians.

MDL project managed and engineered the complete operation, which included: project engineering, scheduling, transpooling procedures, task plans, mob/demob procedures, straightener testing, reeling verifications, back tension for spooling calculations, straightening analysis, general equipment list, data sheets and general arrangements, transpooling equipment setup/layout, lift plans, HAZID/HAZOP and marine personnel for onsite execution.

The MDL transpooling spread consisted of MDL Second-generation Reel Drive System for handling the installation reels, 150Te reel drive system for handling the transportation reels, two 2-track pipelay tensioners to ensure controlled constant tension to protect the product, a pipe straightener, deck deflectors, roller assemblies and winches.

The spread was supplemented by Client-contracted welding, NDT and field joint coating equipment and services, which allowed MDL to optimise the equipment layout to provide tie-in weld services. The equipment spread provided fail safe control during the onshore spooling campaign, with MDL tensioners also providing control for tie-in weld in the firing line.

Prior to the operation in Norway, straightening trials were carried out in MDL's facility in Scotland using the transpooling tensioners, pipe straightener and a product sample.

Steven Morrison, MDL Project Engineering Manager, said:

"This has been a great project for MDL, as we offered and executed a true value-adding package for two clients during a single mission, against the backdrop of the ongoing pandemic and the associated travel and personnel restrictions.

"Our pipelay equipment - the base case for carrying out the transpooling - is already well known for improving efficiency of SURF operations, while our supervisors and technicians are recognised for their professionalism and expert knowledge. In this case we called on our experiences with the handling of coiled tubing product and were able to implement risk reducing measures in our pre engineering to optimise the onsite execution.

"This campaign also reiterates our in-house design and engineering capabilities, where we offer a whole new level of savings to our clients, by streamlining the engineering, management and execution of their projects.

"This was also a great example of collaboration for cost efficiencies in a challenging market. Even though the products were destined for two different fields, our clients worked together to deliver a single transpooling campaign.

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“Effectively that meant a 100% cost saving on project engineering, mobilisation costs, equipment rental and personnel rates, compared to carrying out two separate transpooling campaigns - adding true value to the end client.”

## **ENDS**

### **ABOUT MARITIME DEVELOPMENTS**

Established in 1999, Maritime Developments (MDL) provides tailored back-deck consultancy, equipment and personnel packages for the global energy sectors from its UK bases in Aberdeen and Peterhead, and its international office in Houston, Texas, USA.

MDL offers customer front-end support for project specification; full suite of SURF handling back-deck equipment for sale or hire; and expert personnel support, alongside its design, engineering, manufacture and asset support services. It is also the only company in the pipelay rental market to supply DNV/Lloyds design-verified equipment.

The company operates health, safety, environmental and quality management systems that have been certified to the internationally recognised standards OHSAS 18001, ISO 14001 and ISO 9001.