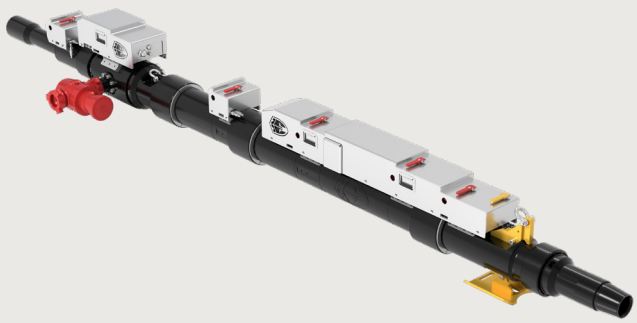
CASE STUDY #2023.2

Deploying from a Distance: A Success Story from the North Slope of Alaska



REGION: North Slope, Alaska
PRODUCT: MAN-O-WAR™ Remote Operation System

CHALLENGE

A major operator faced challenges deploying top-drive cement heads in the North Slope of Alaska due to the oilfields' limited accessibility.

This led to top-drive cement heads being left in standby mode for extended periods, resulting in significant rig-time wastage and increasing the risk of equipment damage and safety hazards.

SOLUTION

The operator chose to use Citadel's MAN-O-WAR™ Top-Drive Cement Head, which features a Remote Operation System.

This allows customers to operate equipment completely remotely, provides real-time equipment feedback—before, during, and after operations, and incorporates advanced safety features like position sensors to prevent human error during important valve operation sequences.

Using MOW's Remote Operation System allows for the safe and efficient deployment of top-drive cement heads in situations where sites are isolated, on-site personnel is unavailable, or operators wish to avoid the financial or safety risks associated with on-site personnel.

RESULTS

Using Citadel's MOW Remote Operation System, the operator was able to successfully deploy a top-drive cement head in an isolated location from 5,700 kilometers away.

In the process, the operator was able to save significant rig time, reduce potential safety hazards, and avoid human error which could potentially cost millions of dollars through unsuccessful cementing operations.

Based on the typical spread rate of $1MM for a typical offshore rig, saving just one hour using Citadel's MOW Remote Operation System translates to savings of at least $45,000 per cementing operation.

Due to the overwhelming cost and safety benefits observed during this remote deployment, the operator is now planning similar future operations.

Successful deployment

5,700 KM AWAY

$45,000 SAVED

per cementing operation

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