



Weatherford®

REAL RESULTS

Mechanized Power Tongs, HiPer™ System Integrate in Operator Equipment, Improve Efficiency, Enhance Safety in North Sea



Objectives

- Propose and integrate the safest solution into the operator package being supplied over a year in advance of the actual job. There were to be no rails or tuggers used, and the package was required to interface with the rig package, zone management, and anti-collision systems.
- Deliver all equipment in a short timeframe because the receipt of the purchase order only left 5 months for delivery and installation while the rig itself was undergoing commissioning.

Results

- The Weatherford ST-160 adapter, mechanized power tongs, and the remote-controlled *HiPer* system were deployed to safely run the casing. The *TorkPro*™ torque monitoring system provided a real-time graphical display of the connection makeup with a permanent record of all makeup graphs.
- By being able to integrate into existing zone management and anti-collision systems and with the operator-supplied equipment, Weatherford avoided the need to construct purpose-built positioning systems without compromising the functionality of the overall system.
- Because the *HiPer* systems and the power tongs were remotely controlled, they eliminated trip hazards and enabled rig personnel to be removed from the rig floor, reducing the risk of personnel injury.

Value to Client

- Integration of the Weatherford power tongs, ST-160 adapter, and *HiPer* systems into the operator's existing equipment eliminated the requirement for customized solutions without compromising functionality, reducing overall operational costs.
- The *TorkPro* torque monitoring system precisely applied torque values to the premium casing connections, eliminating the possibility of damaged tubing.
- The *TorkPro* supplied all pipe documentation in the same sequence as makeup, even when the operator ran doubles in the mouse hole.

The Weatherford mechanized, power tongs, remotely controlled by the *HiPer* system, integrated seamlessly within the operator's equipment to improve tubular running efficiency, providing a hands-free solution and enhancing overall safety.

Location
North Sea, UK

Well Type
Offshore, oil

Products/Services

- Tubular running services
- Power tongs
- Weatherford ST-160 adapter
- Dual electric power unit
- *HiPer* control system
- *TorkPro* torque monitoring system

Weatherford
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