



# VERO<sup>®</sup>

## OneTouch Automated Tubular Running System



### TRANSFORMING RIG FLOOR OPERATIONS THROUGH INTEGRATION AND AUTOMATION

The business model of tubular running services has evolved.

The interactions between operators and drilling contractors have shifted. Previously, operators assumed the responsibilities of sourcing tubular running services (TRS) and other services like cuttings management, remote-operating vehicles, and, if necessary, managed pressure drilling. Now, these obligations fall to drillers as part of their contracts, creating new challenges.

Weatherford believes the successful drilling contractor is one who streamlines tubular running operations through implementation of a single, fully automated, fully integrated system to conduct all drilling, casing, and completions operations.

The VERO OneTouch Automated Tubular System consolidates all three operations into a single, hands-free system, empowering drillers to provide revolutionary rig floor safety and efficiency with fewer personnel requirements and greater marketability.



**50%** FASTER RIGGING



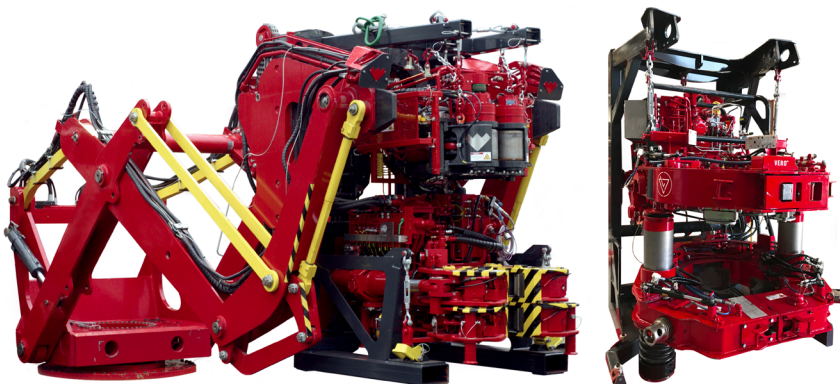
**10%** FASTER RUN TIMES



**70%** ONSITE PERSONNEL REDUCTION



**100%** OPERATIONAL CONSISTENCY



The One Touch Automated Tubular System utilizes an exchangeable cassette system for hands-free switching between drilling, casing, and tubing in less than six minutes. Integration of this new technology into the driller's chair enables drilling contractors to deliver tubular running services and reduce personnel on the rig.

# ONE-TOUCH TUBULAR SIMPLICITY FOR REVOLUTIONARY RIG FLOOR SAFETY

## MAKE RIGS MORE MARKETABLE TO MEET EVOLVING BUSINESS MODELS

with latest technology, in a safe and reliable manner

- **Automated Rigging and Operation** reduces the traditional barriers for drillers to deliver TRS.
- **Integration into Rig's Control and Anti-Collision Systems** enables casing running in the same manner as drillpipe.

## ENHANCE SAFETY AND REDUCE CARBON FOOTPRINT

with safer, more efficient operations using fewer personnel and equipment

- **Minimize Equipment and Personnel Requirements** produces a cleaner, safer rig floor environment that improves efficiency while producing 20% less carbon.
- **Reduce Personnel Requirements up to 70%** by decreasing transportation and rig subsistence, further decreasing total carbon.
- **Remove Personnel** from the red zone by eliminating the need for traditional torque-turn technicians and thread representatives.

## INCREASE OPERATIONAL EFFICIENCY

with streamlined, integrated, and automated operations

- **Automated Rigging and Operations** delivers changeouts between drilling, casing, landing, and completions in less than 6 minutes, delivers.
- **Better Makeups, Less Remakes and Connection Backouts** achieve 50% faster rigging and 10% faster run times.
- **Exchangeable Cassette System** simultaneously connects electrical power, hydraulics, and data via automatic multi-couplers.

## OPTIMIZE WELL INTEGRITY

with automated makeup and validated connections

- **Eliminate Catastrophic Well Failures** to extend life of well quality, and mitigate threats to the environment.
- **Automated Control of Makeup** eliminates human influences and provides consistent, precise makeup accuracy with strict adherence to OEM criteria.
- **Automated Analysis of Makeup Graph** uses proprietary algorithms and artificial intelligence to eliminate human errors, replacing human judgement with computer control.