



# VERO™ AUTOMATED CONNECTION INTEGRITY



## BUILDING WELLS THAT LAST A LIFETIME

Every well has hundreds, if not thousands, of connections, just one of which can compromise the integrity of the entire asset. Furthermore, manually making up so many connections can lead to complacency, which increases the risk of mistakes, injuries, or—even worse—fatalities. Outcomes such as these cost the industry billions as well as its reputation.

To remove these risks, we validate well integrity from the wellhead to TD with absolute certainty. Vero™ automated connection integrity goes above and beyond tubular running for unquestionable success. Rather than rely on human judgment for connection evaluation, we apply artificial intelligence to eliminate errors or oversights that can lead to safety incidents and costly remediation.

Offshore Azerbaijan

**RAN 7 COMPLETIONS WITH MORE THAN 2,900 CONNECTIONS ATTAINED ZERO CONNECTION DAMAGE**

Offshore Qatar

**RECOMPLETED 2 WELLS BY RUNNING STANDS OF TUBING DELIVERED 5X GREATER MAKEUP CONSISTENCY**

North Sea

**MADE UP MORE THAN 1,200 COMPLETION CONNECTIONS ACHIEVED RECORD RUN RATE**

## THE VERO ADVANTAGE



### ELIMINATES

catastrophic well failures and mitigates safety risks



### REDUCES

total well construction costs

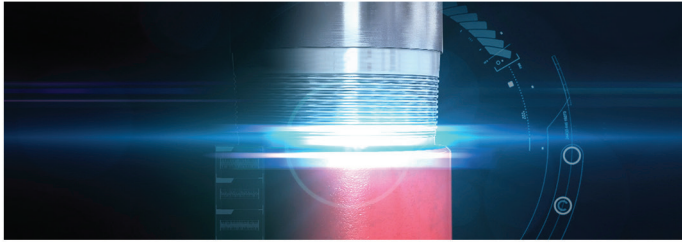


### PROTECTS

your corporate reputation and profitability

## VERO GOES BEYOND TUBULAR RUNNING FOR ZERO CONNECTION ISSUES

We apply artificial intelligence to this world-first solution to take our capabilities beyond tubular running. The result is automated makeup technology, which takes control of the procedure with smooth precision, and autonomous evaluation software, which runs connections with error-free integrity.



## VALIDATE CONNECTION INTEGRITY WITH ABSOLUTE CERTAINTY

Through world-first technologies that automate precise makeup and digitize evaluation, we remove human influences and potential errors.

**EXTEND LIFE-OF-WELL QUALITY** by automating well construction to maximize uptime and sustain production

**AVOID WORKOVER COSTS AND LOST PRODUCTION** by building dependable barriers that avert remediation

**MITIGATE THREATS TO THE ENVIRONMENT, SAFETY, AND REPUTATION** by eliminating unintended exposure

## ENHANCE SAFETY AND IMPROVE EFFICIENCIES EVERY DAY

In addition to long-term integrity, Vero technologies deliver immediate value by running the optimal connections with fewer personnel and in less time than conventional operations.



**REDUCE ONSITE PERSONNEL TO LIMIT** safety exposure and minimize logistical costs

**CASE AND COMPLETE WELLS FASTER** for immediate rig-time reductions

**EXECUTE RELIABLE AND CONSISTENT OPERATIONS** with automated makeup and autonomous connection evaluation

ONSITE PERSONNEL REDUCTION **70%**

MINIMUM IMMEDIATE RIG-TIME REDUCTION **10%**

**100%** OPERATIONAL CONSISTENCY



## APPLY ARTIFICIAL INTELLIGENCE AT EVERY TURN

Your journey toward total automated connection integrity starts and ends with Weatherford. At all stages of tubular handling, we help you to make connections that you can trust.

**PIPE MILL FACILITIES** validate and trace coupling connections

**OFFLINE-MAKEUP LOCATIONS** automate makeup away from the critical path

**WELL CENTER** accommodates connection makeup without subjective human influences

**OFFICES** visualize all connections and improve performance through analytics

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