

RigConnect® Collaboration Platform

BRINGING FOCUS TO WELL TESTING OPERATIONS THROUGH ASSISTED AND AUGMENTED REALITY

OVERVIEW

As part of the FloConnect® platform, the RigConnect® collaboration platform takes full advantage of recent breakthroughs in assisted and augmented reality (AR) to enhance situation-specific awareness by providing contextual information alongside real-world visualization to optimize the well test operations.

Wireless, head-mounted hardware, which responds to voice and gesture, is paired with a full suite of operation-centric software applications. Part of the Halliburton Testing and Subsea product service line, RigConnect platform is designed to improve safety and boost field personnel performance.

REAL TIME SITUATIONAL KNOWLEDGE

Designed for extreme conditions, even in zone 1 hazardous areas under 90 dbA, field personnel equipped with the head mounted tablet (HMT) can instantly access real-time situational knowledge. They can review troubleshooting trees, procedural instructions and videos, dictate job logs, and connect remotely to online mentors through a Point-of-View (PoV) 1080p camera with lamp—all through voice activation.

Wi-Fi access provides Internet of Things (IoT) connectivity and data visualization, integrating seamlessly with the FloConnect surface automation platform. This further enriches the automation experience, with instant knowledge sharing from subject matter experts across the globe, bringing the office to the wellsite.



TOOLS

- » Document library
- » Troubleshooting tool
- » Maintenance log
- » Repair guidance
- » Flashlight
- » Camera
- » Remote collaboration

BENEFITS

- » Improved efficiencies
- » Reduced variabilities in operations
- » Out of the line of fire
- » Optimizes workforce deployment
- » Increased situational awareness



WELL TEST PLANNING THROUGH AUGMENTED REALITY

Rated for zone 2 hazardous areas, and equipped with built-in software camera capabilities, field personnel use the augmented reality (AR) glasses to expedite the well test planning phase. Beyond document access, the wireless toolset creates detailed 3D scans of the Operator's rig site, allowing precise manipulation of 1:1 equipment models in real time.

A fully immersive virtual reality model of the project can then be generated for client and stakeholders review and discussion, delivering radical improvement in accuracy, enabling faster decision making, and reducing rig complexity and costs.



TOOLS

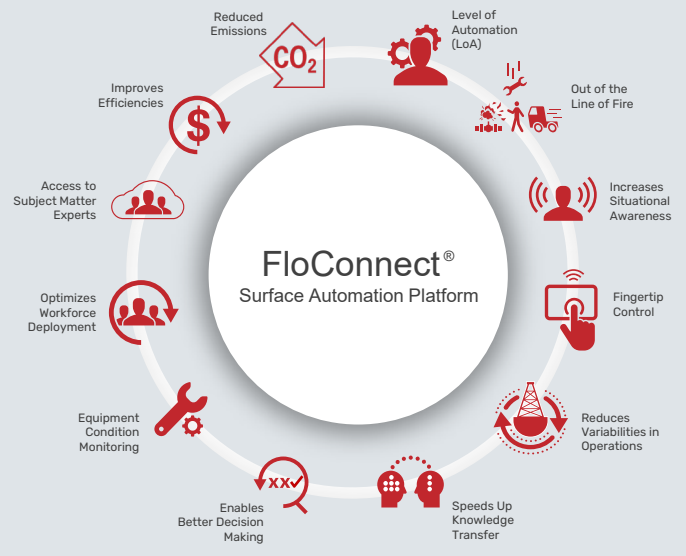
- » Document library
- » Camera
- » Remote collaboration
- » RigSurvey

BENEFITS

- » Enables better decision making
- » Reduced variability during planning
- » Expedite time to deliver project
- » Increased situational awareness

ABOUT FLOCONNECT SURFACE AUTOMATION PLATFORM

The FloConnect surface automation platform is a common data-centric platform with control functionality that provides automated control of surface well testing (SWT) operations, while monitoring and measuring all factors related to the production of well effluents. This highly scalable and configurable automation platform is designed to meet the needs of SWT applications to maximize operational efficiencies and address complex challenges.



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