

ROV Workover Control System (RWOCS)

ROV Skid-Mounted or Stand Alone Solutions

Our multi-functional, configurable RWOCS supports operations including completions, tree installation, workover, intervention, and plug and abandonment. An RWOCS delivers fluids—including chemicals—at up to 15,000 psi to any subsea infrastructure with a tie-in point, from manifolds and pipelines to pipeline end terminations (PLETs) and trees. The system also supports the completion of systems diagnostics, and provides communications and data streaming, enabling reliable, remote operations and onshore oversight of activities in real time.



FEATURES

Cost-effective solution reduces operational risk

Based on field-proven, reliable technology

Modular design enables project-specific configuration

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We leverage our ROV and IWOCs expertise to provide industry-leading solutions. Extensive failure modes, effects, and criticality analyses (FMECAs) and technology readiness level (TRL) studies have ensured we are providing a reliable, fully capable, and optimized RWOCS to the market. Our systems deliver multiple financial and operational benefits.

- » System can be deployed faster than a traditional installation, workover, and control system (IWOCs), enabling expedited completion of operations and emergency intervention
- » Reduction in equipment footprint on rig and transportation and mobilization costs
- » System can be operated by a cross-trained ROV crew, reducing POB requirements
- » Elimination of heavy lifting and a reduction in rigging requirements
- » No exposure to high pressure on surface
- » Built-in redundancy and fail safe mechanisms (back-up valves, pumping capability, flow sensors, communication links)
- » ROV compatibility enables effective utilization of available resources
- » Capable of subsea pumping at 15k psi
- » Effectively moves system-related high-pressure applications from the surface to subsea
- » Integration of our robust, field proven subsea valves equipped with industry leading cleanliness levels
- » Adaptability of the systems supports functionality with multiple OEM tree designs

Flexible Solutions

We offer flexible solutions to optimize your operations. Based on the application and required deployment time, you can choose between the ROV-mounted or stand-alone RWOCS. Use of the ROV-mounted skid to complete shorter operations requiring less fluid, especially for vessel-based operations where an available ROV is already onboard offers cost benefits.

The stand-alone RWOCS benefits from an additional 150 gal of available fluid from an extra reservoir mounted in the middle of the system and the ability to stay subsea for longer, making it well-suited for operations longer in duration and with higher fluid requirements. Opting for the stand-alone version also eliminates the dedicated use of an ROV, enabling the ROV to execute other operations and further optimizing efficiency.