

Subsea Services



Transforming the delivery of services across the life of the field through our wide range of capabilities and solutions

We help clients increase oil and gas recovery and equipment uptime while reducing overall cost, and delivering superior service enhanced by data management and processing to ensure they draw the best performance from subsea fields.





Schilling Robotics

Offerings

- ▶ Class leading range of WROV's to cover life of field activities
- ▶ Powerful, compact 150-hp and 250-hp ROV's with optional 5,000msw depth rating
- ▶ Class leading automation to aid pilot/operation efficiency

Benefits

Lower cost

- ▶ Modular approach improves maintenance times by a factor of 6-to-1 compared to traditional vehicles
- ▶ Aftermarket support offering subscription technical support and online spares ordering
- ▶ Superior on-board tooling capacity for rapid tooling integration

Performance improvement

- ▶ UHD Gen-III meets full requirements of API 53 standards for BOP intervention in less than 45-second ram closure
- ▶ Intelligent power management system providing highest thrust performance for ultra-heavy-duty tasks
- ▶ Industry's most accurate StationKeep with independent thruster control
- ▶ Enhanced automation dramatically reduces the time required to perform common intervention tasks
- ▶ High-definition (HDEV) video suite



Drilling services

Offerings

Comprehensive wellhead systems

- ▶ Complete offering of wellhead equipment and services
- ▶ Operating up to 20,000psi and 350°F
- ▶ Best-in-class field support and service
- ▶ Exclusive monitoring services
 - Well Access Monitoring Services (WAMS)
 - Annulus monitoring

Benefits

Lower cost

- ▶ Specific tooling enables multiple operations in a single run to reduce cost of installation
- ▶ Load monitoring services to reduce rig time
- ▶ Fatigue monitoring to extend equipment life

Faster delivery

- ▶ Immediate response capacity
- ▶ Proprietary tooling to accelerate installation
- ▶ Remote locations for fast global access
- ▶ Shortest time to delivery in the industry

Performance improvement

- ▶ Monitoring solutions improve safety and reduce risk of killing the well
- ▶ Annulus monitoring provides opportunities for enhanced production



Installation services

Offerings

Fully integrated well completion and installation services:

- ▶ Well construction (tubing head and tree)
- ▶ Tubing completion installation and well flowback
- ▶ Workover and controls
- ▶ Integrated rental tooling suites, including landing string safety systems

Benefits

Lower cost

- ▶ 20% fewer people on board compared to industry to minimize OPEX
- ▶ Integrated services (IWOCs/LS) reduce costs 25% vs. stand-alone services

Faster delivery

- ▶ Integrated offerings reduce mobilization time
- ▶ Dedicated core teams for single point responsibility and proactive planning
- ▶ Optimized infrastructures increase capacity, productivity and efficiency

Performance improvement

- ▶ Improved safety performance
- ▶ Tooling availability through standardization
- ▶ Highly competent engineering and technical staff ensure best-in-class services in the industry
- ▶ Optimized rig/vessel uptime



Maintenance services

Offerings

World-class service facilities purpose-built for safety, quality, delivery and cost optimization and industry-leading field and engineering support provide:

- ▶ Maintenance
- ▶ Refurbishment
- ▶ Systems integration testing
- ▶ Storage and preservation
- ▶ Inventory management
- ▶ Mobilization and demobilization

Benefits

Lower cost

- ▶ Refurbishment offers a cost-efficient alternate to new
- ▶ Consolidated operations shorten execution cycle and lower lead time, to enable earlier returns

Faster delivery

- ▶ Splash ready equipment lowers risk profile and allows for lower contingency and pre-deployment spend
- ▶ Integrated facilities and repeatable procedures reduce unplanned downtime and scheduled risk

Performance improvement

- ▶ Integrated offerings simplify response to clients' needs
- ▶ Standardized, efficient procedures enable safe and predictable operations



Production management services

Offerings

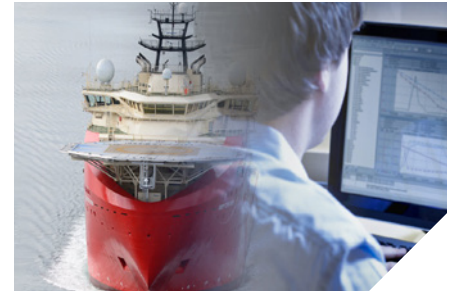
Integrated technology, flow assurance and advisory capabilities to deliver full service solutions for production management

- ▶ Flow Management
- ▶ Debottlenecking
- ▶ IOR with subsea processing

Benefits

Higher volume

- ▶ Flow assurance and operability engineering
- ▶ Production management, upgrade and de-bottlenecking
- ▶ Subsea IOR services including pumping, separation and compression for greenfield and brownfield applications



Asset integrity services

Offerings

Operation enhancement to drive uptime

- ▶ Robust asset integrity management
- ▶ Condition performance monitoring
- ▶ Inspection, maintenance and repair
- ▶ Cybernetix Monitoring and Inspection Solutions

Benefits

OPEX reduction

- ▶ Operability engineering
- ▶ Robust asset integrity services
- ▶ Cost-effective interventions

Lower cost

- ▶ Multipurpose vessel-based services (WI&IMR) reduce mobilization/demobilization costs

faster delivery

- ▶ Integrated services enable faster changeouts of production-critical equipment

Increased uptime

- ▶ Real time surveillance of the entire field

Accelerated decision time

- ▶ Data management and digital collaboration – combined expertise and advisory services on production, uptime and OPEX



Intervention services

Offerings

Subsea well and operations expertise for integrated intervention services

- ▶ Vessel based Riserless Light Well Intervention (RLWI) project management and engineering services for plug & abandonment (P&A), riserless coiled tubing and well completion operations
- ▶ Rig based open water workover and landing string intervention project management and engineering services for rig intervention operations

Benefits

Lower cost

- ▶ 20% OPEX savings through integrated services
- ▶ Lower OPEX with vessel-based operations
- ▶ ROV superior reliability reduces non-productive time
- ▶ Multipurpose vessel-based services (WI&IMR) reduce mobilization/demobilization costs

Faster delivery

- ▶ Above 98% average uptime

Performance improvement

- ▶ Integrated services offering results in fewer customer-managed interfaces and reduced overhead
- ▶ Industry-leading processes with zero well control incidents



P&A and Decommissioning Services

Offerings

Single, dependable contact point for full field decommissioning

- ▶ Integrated engineering, procurement, recovery and disposal (iEPRD)
- ▶ In-house, holistic, risk-based approach through comparative assessment to minimize overall environmental impact
- ▶ All the way from logistics to final disposal
- ▶ Aligned with regulatory requirements and industry standards
- ▶ Supported by leading-edge technology
- ▶ Best-in-class field services personnel

Benefits

Lower cost

- ▶ Widest range of well access solutions and marine capabilities yields lower OPEX
- ▶ Multi-purpose assets ensure higher utilization, resulting in lower overall cost

Faster delivery

- ▶ Largest global subsea installed base optimizes operations thanks to in-house knowledge of field developments
- ▶ Extensive vessel fleet ensures availability and schedule effectiveness

Performance improvement

- ▶ Execution via vessel simplifies P&A campaign
- ▶ Riserless through-tubing lower abandonment reduces the risk
- ▶ Global presence and infrastructure provide significant project efficiencies





Enhancing the performance of our client's subsea fields

- ▶ **Increased recovery** through flow management, well intervention and field upgrade.
- ▶ **Higher uptime** by offering real-time surveillance, robust asset integrity management and proactive maintenance.
- ▶ **Lower cost** through condition performance monitoring, cost effective interventions and equipment upgrades.
- ▶ **Faster decision time** through our data management and digital services.

Leveraging TechnipFMC competencies to increase client's benefits

- ▶ **Comprehensive offerings** that address the entire subsea field throughout its lifespan.
- ▶ **Integrated solutions** and full service packages that reduce risk, time and cost.
- ▶ **Extended vessel-based services** to optimize time, reduce cost of operations and simplify contract management.
- ▶ **Purposeful digital services** that gain additional value from data and transform it into actionable information.

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