

An overview of Subsea Services



Transforming the delivery of
Subsea Services through
our wide range of capabilities.



Enhancing the performance of our customers' 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 customers' 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.

Drilling

Installation and Completion

Asset Management

Offerings

Comprehensive wellhead systems

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

Integrated service package

- ▶ Subsea tree and tubing head installation
- ▶ Tubing hanger installation
- ▶ Jumper fabrication and installation
- ▶ SCM, choke, SFL and EFL installation
- ▶ Well flowback
- ▶ Subsea processing installation
- ▶ Fully integrated intervention workover controls system and landing strings
- ▶ Rental tooling

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

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



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 quicken 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

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

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

Life of Field

Operation enhancement

- ▶ Robust asset integrity management
- ▶ Condition performance monitoring

Production enhancement

- ▶ Flow management
- ▶ Virtual flow monitoring

Digital services

- ▶ Data management
- ▶ Asset visualization
- ▶ Processing services and advisory
- ▶ Managed services



Well Intervention and IMR

Full-field knowledge and expertise of both SPS and SURF enables optimized service integration for:

- ▶ Inspection, maintenance and repair
- ▶ Purpose-designed SPS tooling
- ▶ Intervention workover controls system
- ▶ Riserless and riser-based well access systems
- ▶ Landing strings



Plug and Abandonment

Single, dependable contact point for full field decommissioning

- ▶ 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



OPEX reduction

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

Higher volume

- ▶ Flow assurance and operability engineering
- ▶ Production management, upgrade and de-bottlenecking

Increased uptime

- ▶ Real time surveillance of the entire field
- ▶ Robust asset integrity services

Accelerated decision time

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

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

Performance improvement

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

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 installed base of SPS and SURF systems 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

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