

Subsea Live data-driven performance service

Go live: Digital solution integrating domain acumen, AI, and automation to optimize subsea asset performance



Rapid decision certainty:

Employ AI to efficiently extract and deliver automated actionable insights in collaboration with OEM experts



Maximized uptime:

Increase subsea production system availability and extend equipment lifetime



Optimized operations:

Efficiently manage challenges and maintenance to ensure system-wide performance and integrity



Reduced emissions:

Decrease unplanned intervention trips, deploy fewer personnel offshore, and optimize power consumption



By visualizing equipment condition and performance, operators and Schlumberger domain experts work together to optimize operational uptime and safety.

Applications

- Health insights for subsea equipment integrity and performance
- Operational insights for real-time assessment of subsea equipment operations
- Production insights for optimizing production system-wide and assuring flow
- Collaboration with OEM experts in a secure digital solution

How Subsea Live service improves subsea asset performance

Subsea Live* data-driven performance service provides a secure, collaborative digital solution that integrates AI, automation, physics-based simulation, and OEM expertise to extract value from subsea data for optimizing subsea asset performance. Visual display of the data analysis enables teams to comprehensively monitor conditions and quickly understand and address potential problems—before they adversely affect operations.

Optimizing subsea equipment, operations, and production performance with automated actionable insights

The automated actionable insights produced by Subsea Live service assess the health and operational performance of specific equipment and of the production system as a whole. Because this includes defining a historical data baseline, analysis of real-time data by AI easily detects even the most subtle of performance variation early on, ensuring that risks are identified and addressed as soon as possible to anticipate and mitigate performance issues and failures:

- Health insights monitor equipment condition and predict issues for proactive resolution.
- Operational insights are used to maintain and identify optimization opportunities for peak asset performance across the life of the field.
- Production insights inform assuring flow and better optimizing and managing system-wide production challenges.

Subsea Live service's holistic data-enriched approach is key to seamlessly transitioning from reactive to proactive decisions and predictive operations. Within the secure digital solution of Subsea Live service, operators also have ready access to collaborate with OEM experts as needed.

Delivering solutions across equipment and system levels

As the continuation of the OneSubsea digital thread across the select, configure, deliver, and produce stages of a subsea asset's life cycle, Subsea Live service acts as a digital twin of the asset to guide enhancing and extending its performance. Operators can flexibly access health and operational insights for equipment packages comprising subsea production systems,

Subsea Live

subsea metering, boosting and compression, and subsea umbilicals, risers, and flowlines. The production insights are generated at the system level to assure flow and to optimize production operations system-wide. Regardless of the asset level, Subsea Live service facilitates troubleshooting existing issues revealed through monitoring, mitigating potential future issues to safeguard asset integrity and ensure availability, and planning for additional optimization scenarios to achieve peak performance.

Subsea Live service's actionable insights are solutions based on inclusive contextual data analysis as a validated and trusted source. Operators are freed from time-consuming data management in improving their decision making.

The takeaway

By integrating OEM expertise and deep domain knowledge with automation, physics-based simulation, and AI to extract actionable insights in a secure, collaborative digital solution, Subsea Live data-driven performance service brings new speed and certainty to decision making, enabling operators to transition from reactive to proactive operations.



Subsea Live data-driven performance service integrates domain and OEM knowledge, AI, and automation to provide actionable insights assessing the health and operational performance of specific equipment and that of the production system as a whole.

onesubsea.slb.com/SubseaLive