DRIVE PROFITABILITY WITH DYNAMIC RESERVOIR INSIGHT

Detect what matters instantly and continuously. Collaborating with our partners at LYTT, we help you determine true reservoir behavior in real time. We make the invisible, visible by transforming sensor data into actionable insight, which empowers you to determine recovery potential, increase production efficiency, and reduce the cost of asset ownership.

The pinnacle in reservoir-monitoring solutions combines unparalleled ForeSite® Sense optical-sensor reliability and expertise with LYTT’s next-generation edge-computing, analytics, and data visualization. As an end-to-end supplier for distributed temperature sensing (DTS) and distributed acoustic sensing (DAS), Weatherford and LYTT can deliver clear and concise imaging along the total length of the wellbore to enable fast, easy, and effective field decisions.

Manage, view, and interact with terabytes of multidimensional sensor data in real time through an intuitive, customizable dashboard. LYTT’s visualization leverages proprietary acoustic pattern-recognition technology and physics-driven modeling to intelligently extract and classify key downhole events. Armed with these cost-effective, data-driven insights, you can confidently manage injection profiling, diagnose well-integrity issues, regulate sand production, and enhance production efficiency.

END-TO-END DAS AND DTS SOLUTIONS

Reliable Sensing
Leverage 30 years of optical-sensing expertise and 7,000+ well installations.

Simplified Data Management
Manage terabytes of historical and real-time data through a secure Cloud interface.

Actionable Intelligence
Visualize contextual DAS and DTS for fast, easy and effective operational decisions.

PROVEN PERFORMANCE

2,000+ MORE B/D
DAS SAND MONITORING
GUIDED SAND REMEDIATION

RESTORED PRODUCTION
DYNAMIC LEAK LOGS
ENABLED WELL-INTEGRITY RESTORATION FOR SHUT-IN WELL

$11.5M SAVED
FORESITE SENSE ELIMINATED PRODUCTION-LOGGING NEEDS
Leveraging 30 years of optical-sensor expertise, ForeSite Sense delivers proven reliability that spans single-production zones in mature fields to distributed sensing arrays in deepwater basins.

ForeSite Sense, Powered by LYTT, leverages advances in artificial intelligence, machine learning and Cloud-based modeling to transform data into faster, more effective decisions.

Systematically achieve unprecedented gains in productivity, uptime, and efficiency through enterprise-wide production optimization featuring autonomous controllers and non-nuclear flow intelligence.

Only ForeSite Sense optical sensors combine single-cable simplicity, proven sensor reliability, and unprecedented data quality for every asset including single-zone and multizone wells.

With more than 7,000 installations in every oilfield environment, our permanent-sensor solutions excel in severe conditions, including thermal and mechanical shock, pressure and temperature cycling, and wells with vibration, drop, and stability issues.

Our coiled-tubing and capillary services simultaneously deliver data about your reservoir and capillary injection treatments to accurately diagnose production and well-integrity issues.

A single hydrocarbon well can generate 100 million data points every second. Streamed via intuitive interface, LYTT transforms multidimensional sensor data into contextualized and continuous insight anywhere in the world and on any device.

Convert DAS data into comprehension. LYTT’s proprietary acoustic pattern-recognition technology differentiates water, oil, and gas for the entirety of a well in real time. By drawing on machine learning, analytics and physics-based models, ForeSite Sense DAS, Powered by LYTT, not only identifies hidden data patterns, it also creates understanding of why those patterns exist.

Temperature can have a wide impact on operational decisions. Rather than spending weeks in data interpretation, ForeSite Sense DTS, Powered by LYTT, delivers real-time business gain and with LYTT’s data collection, processing and analysis.

The CygNet IoT platform processes all business data and information—from downhole sensors to surface facilities and pipelines—enabling users across every business function to prioritize and analyze real-time information to support daily operations and strategic decision making.

The ForeSite platform delivers insight that enhances production, maximizes uptime, and improves personnel efficiency at the well and asset level. This platform consumes data from every corner of your business to help you find and prioritize production-uplift opportunities, identify bottlenecks, detect failures before they happen, and plan and execute workovers.

Drive continuous optimization with autonomous well management. ForeSite Edge is next-generation automation that harnesses the power of Weatherford ForeSite and CygNet platforms to make autonomous lift adjustments and instantaneously alert you when human intervention is needed.