



ForeSite[®] EDGE

DRIVE CONTINUOUS PRODUCTION PERFORMANCE

Production 4.0 technologies bring autonomous well management to your wellsite. Driven by artificial intelligence, every stroke and injection cycle is now an opportunity for real-time optimization.

ForeSite Edge is next-generation automation technology. Harnessing the unmatched power of our industry-leading ForeSite and CygNet[®] platforms, Edge combines decades of Weatherford production expertise with advanced IoT-enabled hardware for the ultimate boost in asset profitability, productivity, and uptime. Edge leverages high-frequency data and modelling at the wellsite for truly continuous production optimization that includes autonomous lift adjustments and well-performance diagnostics.

ForeSite Edge can be installed as a standalone automation device or as an addition to your existing equipment. In either configuration, our technology maximizes production and improves mean time between failure (MTBF) through continuous analysis and optimization. Further, this production-performance breakthrough improves operational efficiency by allowing your production personnel to focus on proactive optimization over reactive maintenance. Paired with our unrivaled portfolio of artificial-lift equipment and optimization systems for every form of lift, ForeSite Edge delivers the well of the future today.



PUSHES HIGH-FREQUENCY DATA
AND STORES UP TO 3.5 MILLION CARDS

SENDS INSTANTANEOUS ALERTS
THROUGH MQTT PROTOCOL

CONTINUOUSLY OPTIMIZES
WELL PERFORMANCE WITH
AUTONOMOUS LIFT ADJUSTMENTS

EVOLVES WITH YOUR NEEDS
USING EXISTING HARDWARE

Cutting-Edge Capabilities

HIGH-FREQUENCY DATA

on the edge enables superior production decisions

ENGINEERING MODELS

ON THE EDGE give a comprehensive view of well performance and push immediate alerts when conditions require intervention

AUTONOMOUS CONTROL

maximizes lift efficiency independent of operator involvement

ForeSite **EDGE**
gives your well
PRODUCTION 4.0
INTELLIGENCE



INCREASE UPTIME AND PROFITABILITY

Based on Production 4.0 concepts, ForeSite® Edge reduces maintenance costs with truly autonomous optimization. As your asset produces, Edge detects issues early so you can proactively plan maintenance, dispatch personnel, extend equipment life, and reduce failure frequency..

- **Reduces downtime** and minimizes deferred production through instant notification
- **Increases productivity** by identifying optimization opportunities or potential failures before they happen
- **Evolves** with future needs and lift methods using existing hardware

BOOST PRODUCTION AUTONOMOUSLY

Unlike traditional SCADA systems with limited data storage and scheduled data polling, ForeSite Edge stores high-frequency data at the wellsite and transmits in real time to your back-office SCADA or a Cloud-based platform. With built-in ForeSite modelling, the system enables continuous production optimization, autonomous well-control adjustments, and more.

- **Improves pumping efficiency** through real-time card recognition
- **Adjusts pump-idle time** to eliminate over- and underpumping
- **Regulates injection rates** to maximize production through lift-gas allocation
- **Sends immediate alarm callouts** unlike traditional SCADA systems that report only when polled

PROTECT YOUR PEOPLE, ASSETS, AND DATA

ForeSite Edge is your first line of defense from issues in the field. Edge monitors changing well conditions in real time and instantly alerts you when proactive action is needed. From startup to shutdown to everything in between, Edge secures your data and protects your personnel.

- **Generates intelligent alerts** that immediately notify you of potentially harmful conditions
- **Creates a true IoT infrastructure** that pushes data in real time via MQTT protocol
- **Shields production data** from malicious mischief using a secure data transmission