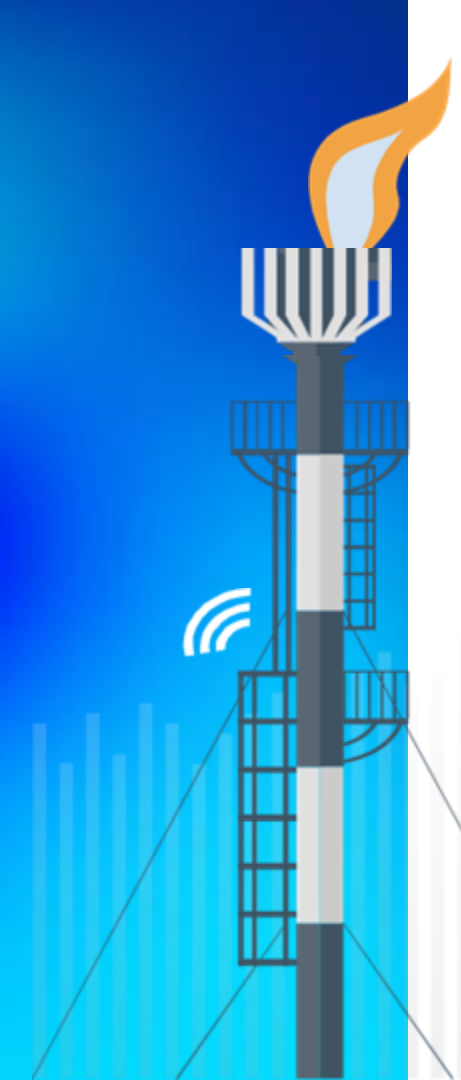
Kellton
Microsoft
Azure
Optima
“Infinite possibilities with technology”



Optima – Powered by Azure

optima | by Kellton

A **single unified IoT-Based Integrated Digital Oilfield Enterprise Solution** for upstream operations management to effectively and efficiently manage, monitor and optimize wells, operations and resources.

Optima provides effective and efficient monitoring, management, and optimization of wells, operations, and resources, resulting in **increased productivity and streamlined operations.**

Bringing Innovation, Transformation and Creating Value for the organization!

Optima - Our Vision

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Vision is to help clients gain operational and process efficiency in order to maximize productivity and achieve significant cost savings.

Sight

- Access to all data anytime, anywhere, on any device
- Connection to various data sources
- Real-time well and assets monitoring using IoT

Insight

- Actionable data-driven insights. Intelligent decisions via Data to Decision tech (D2D)
- Identification of critical information
- Dashboards for various levels of management
- Data-driven analytics & optimization of assets & operations

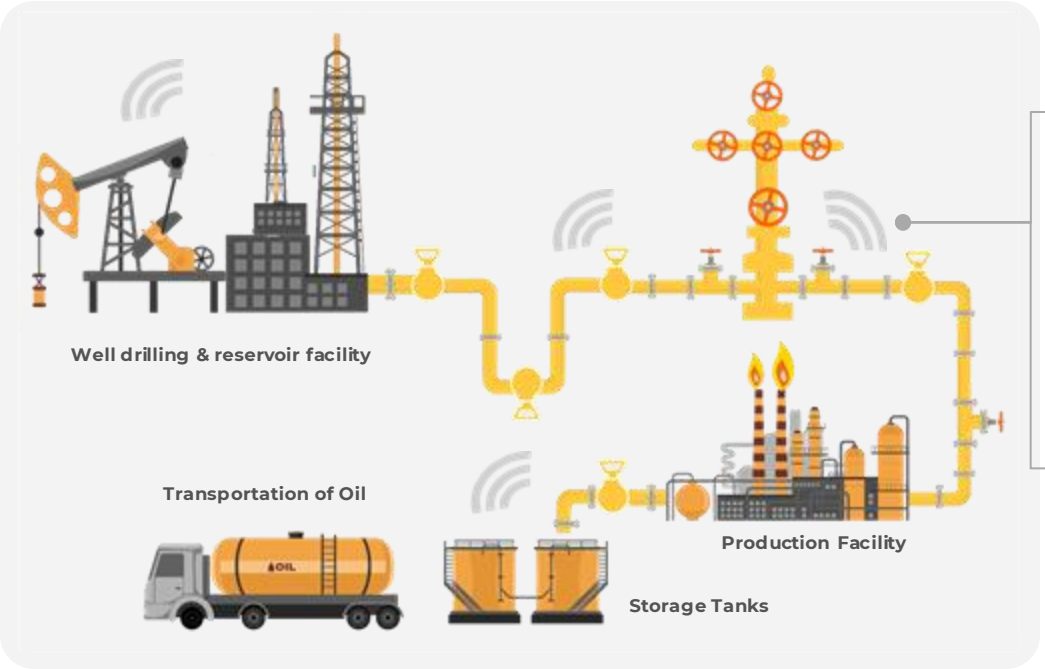
Foresight

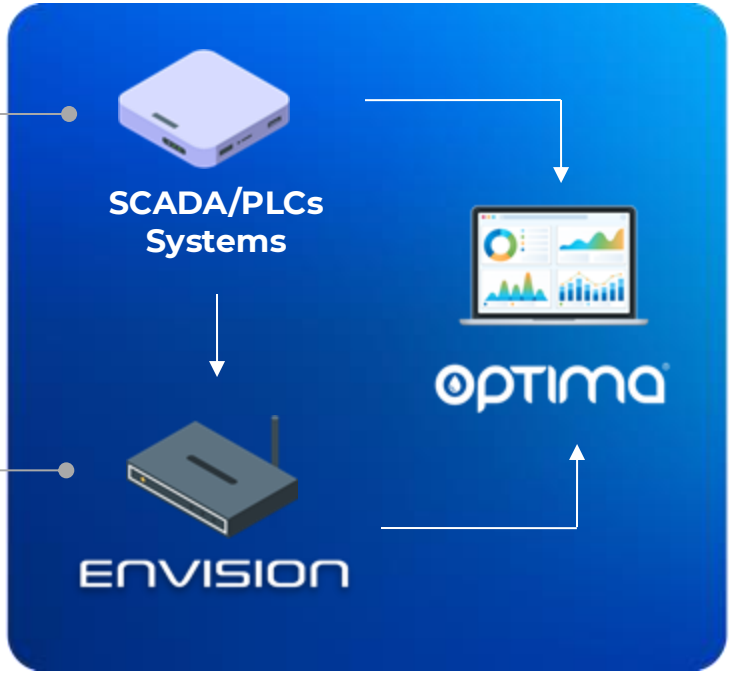
- Proactive & preventive approach
- Using predictive & prescriptive technologies
- Engineering simulators & rules engine
- Big Data domain-driven analytics

Autonomous

- Automated workflows via AI, machine learning, pattern recognition
- Automation of workflows & processes
- Better decision making

Workflow Mapping





Bringing the upstream oil process into the digital age.

- Embarking on a **sensor-driven digital revolution**
- **Seamless data acquisition, transmission,** and control at every stage.

Revolutionary Hardware innovation: Envision

- **Remote communication** with modular IoT device
- Real-time data processing through **edge computation.**

Navigating the future of O&G operations

Field Automation & Monitoring

Integrate real-time data acquisition, transmission, storage, processing, & analytics of Reservoirs, Wells, Surface lines, Equipment & Tanks

Production Surveillance

Enable transparency, accountability, auditability & consistency with Monitoring Trends, Alarms, Alerts, Notifications, Events, & Physics based AI-ML virtual flow metering

Artificial Lift Lifecycle Management

Revolutionize your equipment, cradle to grave processes with complete visibility & control over your design, operation lifecycle, delivery, repair & inventory operations

Production Workflow

Improve operational efficiency via automated & seamless workflows, reduced repetitive processes, & report generation

Production Optimization & Flow Assurance

Optimize your upstream production assets by predicting key performance indicators & manage wells & fields effectively

Digital Twin

Incorporate current data, work records, & domain driven information through continuously updated digital models in real-time, facilitating maintenance & operational activities

Digital Oilfield Applications

1. Upstream Operations Management includes Production Workflow from wells to tanks to shipment, Production Database, Production Monitoring & Surveillance, Artificial Lift Diagnostics, Automated Reports and Dashboards, Document Management System, Inventory

1. ESP Lifecycle Management includes ordering, inventory management, equipment tracking, job management (equipment selection, job planning, job execution)

1. ESP Cable Lifecycle Management System includes inventory management, cable tracking, automated serial numbering, job management

1. Rig Management includes scheduling, inventory, spare parts, equipment tracking