Oil & Gas Solutions

Amid spiraling infrastructure costs and complexity, industry leaders turn to advanced asset monitoring approaches.

Recent recoveries in commodity prices and cashflows give Oil & Gas companies new impetus to build for sustainable profitability and ROI. Yet challenges still loom. Infrastructure remains vital, but companies need to maintain increasingly tight tolerances to succeed. For these and other reasons, Oil & Gas leaders have come to embrace new proactive, data-driven approaches to asset management.

Oil & Gas companies face myriad challenges.

- **PRICE VOLATILITY:** Oil price uncertainty is expected to continue in the near term, driving the need to improve reliability and efficiency in operations to reduce the cost of production.

- **INCREASING DEMAND FOR ENERGY:** Oil & Gas companies need to increase production but are limited by their existing assets. Increasing operating reliability to maximize throughput is key to meeting demand.

- **EVER-CHANGING ENVIRONMENTAL REGULATIONS:** Emissions requirements and the need for cleaner energy may force expensive upgrades and increased cost of production.

- **UPWARD TREND IN RENEWABLE ENERGY:** An increase in availability and affordability of renewable energy sources threatens profitable oil production. Decision makers may be forced to divert resources to reduce emissions rather than build new facilities or upgrade existing facilities.
By 2018, **75%** of all Oil & Gas companies will have at least one digital transformation initiative in full operations deploying cloud, big data and analytics, process automation or Industrial IoT (Internet of Things) for the organization to advance their IT environment.

*IDC FutureScape: Worldwide Oil & Gas 2018 Predictions, published in December 2017*

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**Use Data to Boost Efficiency & Reliability**

- **ENHANCE RELIABILITY:** Enhance reliability through early detection and quantification of emerging issues.
- **DRIVE OPERATIONAL EFFICIENCY:** Boost productivity by streamlining operations and improving issue lifecycle management.
- **INCREASE SUSTAINABILITY:** Optimize efficiency and sustainability by setting quantitative goals and tracking incremental progress over time.
- **IMPROVE SERVICE QUALITY:** Deliver higher levels of reliability, efficiency, and productivity through improved asset performance and proactive remediation of issues.
- **PROTECT MISSION-CRITICAL INFRASTRUCTURE:** Protect your Oil or Gas plant from security risks through real-time monitoring and automated notification of unexpected behaviors.

Today, Oil & Gas companies are deploying new technologies that promise greater efficiencies – to reduce budgets, reduce operating costs, and increase safety, all while increasing overall production levels. To accommodate this, oil and gas companies are looking beyond asset maintenance to asset management software that can capture, monitor and analyze critical data in real time. By improving their ability to monitor infrastructure asset health, companies can make more confident, data-driven financial decisions.

Asset management solutions help Oil & Gas operations professionals shorten issue response times, respond to problems well before they trigger alarms or force shutdowns, and ultimately extend the life of their infrastructure assets.

To learn more about Atonix Digital and our **Oil & Gas solutions**, visit:

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