IoT Intelligence for Oil and Gas

In the modern oil and gas industry, critical data is always flowing and, in some ways, it's just as valuable as what's coming out of the ground. The machine data produced by sensors and systems in the field contain invaluable insights, such as the health of a wellhead, the viability of an exploration site, and the performance of critical equipment.

Yet, too often, companies are not able to analyze this data fast enough, frequently enough, or deeply enough to drive next-level value and performance. That's where Circonus shines.

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> *The world's most valuable resource is no longer oil, but data*
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> — *The Economist, May 6, 2017*

Circonus Performs Where Others Can't

Today's oil and gas operators are facing a host of challenges related to costs, performance, and employee safety. Millisecond reaction time from any type of sensor in any location translates to a real and measurable impact. Circonus is the only machine data intelligence platform capable of handling the high-volume, high-frequency data needed to drive critical business insight and value.

The Circonus Platform enables oil and gas companies to unlock the full benefits of their IoT systems while utilizing the latest cloud and edge technologies from AWS, Google Cloud Platform and Microsoft Azure.

Circonus is uniquely suited to the rugged, remote, and offshore environments present in oil and gas operations. We support high-frequency sampling and real-time data analysis, even over spotty and low-bandwidth networks such as satellite and LoRa. (*Continued on reverse*)

REAL-TIME ALERTS

REAL-TIME AND PREDICTIVE ANALYTICS

HISTORICAL AND SEASONAL ANALYSIS

REPORTING ACCURACY

COST EFFICIENCIES

Smart Technologies for the Robust, Sustainable Solutions of Tomorrow

The Circonus Platform enables oil and gas companies to have full visibility and transparency into their day-to-day operations, unlocking the true value of their IoT systems.

Optimize Operations

A complete understanding of your oil and gas operations requires a comprehensive, real-time monitoring solution. Conditions can change in an instant, and in those moments, the potential exists for lost productivity, harm to those in the field, and damaged equipment. Circonus' patented histogram technology allows for trillions of sensor measurements to be collected every second, providing real-time visibility into downhole and wellhead metrics such as pressures and flow rates. These metrics can then drive operational improvements to extend well-life and increase overall productivity.

Predictive Maintenance

Equipment maintenance for oil and gas companies involves a host of considerations: 24x7x365 operations, the high cost of downtime, the remote nature of offshore platforms and onshore wells, and the safety of workers, to name just a few. With its ability to cost-effectively collect, store, manage, and analyze IoT sensor data at unprecedented volume and frequency, the Circonus Platform makes it easy to detect issues and stay ahead of the maintenance curve.

Industry Leaders Choose Circonus

Led by experts in large-scale distributed systems and data science, Circonus is pioneering how machine data is leveraged throughout the enterprise. With the ability to handle unprecedented data scale and frequency, Circonus is the choice of enterprises for their most demanding use cases.

From consumer applications to rugged industrial uses, Circonus easily and cost-effectively integrates into an organization's overall IoT/IIoT strategy to ensure complete visibility into your mission critical deployments.

Learn how machine data intelligence from Circonus can drive new levels of value and insight for your operations. Talk to an expert today or book a demo for your team.

Increase productivity *with a digital model that integrates operational, financial, and commercial business functions*

Cut non-productive time *by improving safety and reduce downtime through case-based reasoning and predictive analytics*

Ensure automated, reliable alerting *on anomalies and problems; then notify the right staff in real-time*

Lower TCO *by using a single platform to handle near-unlimited sensor data from all your field devices*