Samsara for Oil & Gas

SOLUTION OVERVIEW
Real-time visibility and control from production to pipeline

INSTANT VISIBILITY | GLOBAL ANALYTICS & CONTROL | UNIVERSAL CONNECTIVITY

Integrate all of your critical oilfield data into a single, unified view

Visualize and trend your data in easy to build charts and reports

Use always-on KPI reporting to optimize performance across sites

Learn more at samsara.com/industrial
Samsara offers a complete, easy-to-use platform for real-time visibility and control across the oil and gas industry

Samsara is an IoT company that provides oil and gas companies with end-to-end data visibility, analytics, and control from industrial controllers with built-in LTE connectivity, wireless vibration sensors, and the Samsara cloud dashboard— all in one integrated, easy-to-use, affordable platform.

Customers trust Samsara’s technology to drive business outcomes across remote sites and in primary operating facilities: to optimize performance, drive efficiency, prevent downtime, save time and ensure safety for remote site workers, and to deliver superior service to their customers.

CASE STUDY

Halcón Resources

“We’re excited that we’ll finally be able to easily see and customize our data for decision making. Before Samsara, it could take weeks to make changes to our production dashboards and reports.”

Halcon uses Samsara technology to provide their entire team with real-time visibility into their operations:

- **Flexible dashboards** and a modern UI simplify data visualization for Halcón’s production team while the drag-and-drop dashboard builder make customization easy

- **Remote mobile visibility** provides field workers with access the same real-time data on their mobile devices as production managers in the office

- **Easy to configure alerts** on all critical equipment help prevent unplanned downtime and automate manual preventative maintenance checks
Solutions for monitoring, maintenance, and control

Samsara's cloud dashboard provides unlimited scalability across thousands of sites.

Cloud combined with pre-provisioned LTE cellular service means no additional infrastructure costs to bring every remote site online.

Local storage and program execution ensure low latency control and complete data collection even if cloud connection is lost.

Build Intuitive, Flexible Dashboards

Custom views of real-time data in minutes:
- The modern, easy-to-use UI simplifies data visualization across teams.
- A drag-and-drop builder makes creating new dashboards quick and easy.
- Data can easily be exported to existing production systems via the open API.

View Production KPIs On-Demand

Always-on analytics for business insight:
- Use formulas to automatically calculate production KPIs in analytics dashboards.
- Using asset reports, directly compare flow, pressure and other data between sites.
- An integrated database allows you to trend data over specific time frames.
Keep Your Product Flowing
Detect asset problems before they occur

- Prevent downtime with real-time alerts that are easy to configure and manage
- Machine health monitoring provides detailed reports on compressor vibration and temperature
- Visibility at every level in a single dashboard—from regional views, to remote sites and

Optimize Control Across Sites
Deploy optimized programs remotely

- Process control can be replicated and reused between sites
- Engineers can audit program execution and make updates across multiple facilities without going on site
- With low-latency cloud control sensors and assets can communicate wirelessly

Improve Pumper Efficiency
Extend data access and input to the field

- Save field workers time by providing real-time visibility of production data on any mobile device
- Easily control VFDs and other assets remotely
- Capture additional data from field workers with manual data entry
Seamlessly integrated, plug and play hardware

Hardware automatically syncs with the Samsara dashboard and always stays up to date

**IG series**

Industrial controllers with LTE cellular

- Centralized data collection, local control, secure communication, and powerful analytics
- Operates in standalone mode (built-in I/O) or integrates alongside PLC/DCS systems (Modbus/RTU, Modbus/TCP, EtherNet/IP, OPC-UA)
- Certified for Class 1, Division 2, Groups A, B, C, D

**HM series**

Vibration & surface temperature monitors

- Wireless sensors mount directly to machines, no need to run conduits or wiring
- Zero-configuration - no servers or IT setup required
- IP67-rated for protection against water and dust in harsh industrial environments

**RECOGNIZED FOR INNOVATION**

“What makes Samsara noteworthy is their prioritizing how sensor data can increase the safety and efficiency of physical operations, contributing to productivity gains while reducing costs”

— Forbes, February 2019