REMOTE NATURAL GAS TRAILER PRESSURE MONITORING

Uptime IQ
Sensors. Data. Insight. Action.

UptimeIQ delivers remote pressure monitoring for natural gas trailers, eliminating unnecessary trips, reducing costs, and improving safety.

#M0726





ELIMINATES HOURS OF DRIVE TIME

REDUCES COSTS IMPROVES EFFICIENCY

IMPROVES SAFETY & COMPLIANCE

REMOTE VISIBILITY FROM ANYWHERE

THE CHALLENGE

Energy companies often operate fleets of natural gas trailers that are deployed across large geographic regions. These trailers are located at remote customer sites throughout the United States and contain compressed natural gas that must be monitored to ensure adequate supply and support efficient operations.

Historically, personnel were required to drive to each trailer to manually read a pressure gauge and report the remaining gas pressure. These routine inspections consumed valuable time, increased travel costs, and delayed access to critical operating information.

Without real-time visibility, scheduling trailer refills and responding to changing conditions became more reactive than proactive.

THE SOLUTION

UptimeIQ deployed a remote pressure monitoring system that continuously measures trailer pressure and securely transmits the data to a centralized cloud dashboard.

Because many trailer locations do not have access to utility power, UptimeIQ designed a self-contained solar-powered monitoring solution. Solar panels provide continuous power to the gateway, which collects data from the wireless pressure sensors and securely sends it to the cloud.

Authorized users can now monitor every trailer from a central office or any mobile device, providing instant visibility into asset status across the entire fleet.

Custom alarm thresholds automatically notify personnel when pressure reaches predetermined levels, allowing refill schedules to be optimized before supply becomes critical.

THE RESULTS

The remote monitoring solution has transformed how the customer manages its trailer fleet. Key benefits include:

- Real-time pressure monitoring across multiple remote locations
- Significant reduction in travel time and fuel costs
- Improved operational efficiency
- Faster access to critical asset information
- Proactive refill scheduling
- Increased visibility across geographically dispersed assets
- Automatic alerts for low-pressure conditions
- Reliable operation in remote locations through solar-powered infrastructure

Instead of driving hours to inspect individual trailers, personnel can now monitor the entire fleet from a single dashboard, making faster and more informed operational decisions.

OVERVIEW

- Wired pressure sensors
- Solar-powered gateway system
- Cellular cloud connectivity
- UptimeIQ IIoT monitoring platform
- Secure cloud dashboard
- Automatic email and text message alerts
- Remote access from desktop and mobile devices

WHY UPTIMEIQ?

Whether monitoring pressure, level, vibration, temperature, current, or other critical operating conditions, UptimeIQ helps transform remote assets into connected, intelligent systems.

Proud IIoT Integration Partner

BANNER®
more sensors, more solutions

Let's Talk

See how UptimeIQ can help monitor your critical assets.

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