

Efficient Remote Tank Monitoring Solution

RESULTS

- Tank statistics are now easily accessible from anywhere, anytime
- Efficiencies in remote tank monitoring at manufacturing facilities
- Improved alarm responses times with notifications
- Quicker decision making abilities with clear and accurate tank data



APPLICATION

Emerson Automation Hardware

Emerson Zedi SCADA Cloud; Zedi Access and Zedi Go Mobile App

- Tank Monitoring, Dashboard and Data Exchange, alarm management

CUSTOMER

A large United States industrial petroleum manufacturer and distributor of automotive and fleet lubricants, supplies lubricant additives resource to thousands of customers in the US and throughout the world.

CHALLENGE

Having five separate facilities that all had tanks in different locations was experiencing difficulty in tracking current inventory.

They needed a cloud based platform that would automate daily operations by keeping track of onsite fluid inventory for both the company and their existing customers remotely at other locations.

The customer wanted to visualize data points like tank levels, usage volume, and fluid temperatures all in one place from anywhere, at anytime. The customer required a mobile app, clear and easy to understand dashboards with alarm management capabilities to improve operational efficiencies.

“This new technology upgrade has helped us track current inventories and fluid temperatures for increased operational efficiencies that our team and customers have access to from anywhere at anytime granting us stronger mobility and returns.”

Petroleum manufacturer in the Eastern United States
- Project Manager

SOLUTION

This customer was quick to understand the many degrees of benefits and value that Emerson's Zedi Cloud SCADA presented. Our team rapidly installed an the communications package, by tying into an existing Rosemont 1410 Gateway, to monitor wireless tank level transmitters at five facilities through Emerson's Zedi cloud-based platform.

Tank Monitoring enables their personnel and their permission based customers easily monitor select tanks from anywhere with simple, easy to read data and visibility with sensor points showing their current volume, temperatures, and levels.

The customer quickly gained access to real-time data for remote monitoring and control of tank inventory at all facilities, all in a single easy to understand and accurate source.

By adding Zedi Data Exchange as a feature also allows their customers to create data pushes into their product ordering platform. Simplifying and automating a stronger work-flow.

With Zedi Access alarm notifications set up to exact thresholds means they will never miss changes in inventory or fluctuations in temperature—they now can set up customized high-level and low-level alarms for each tank's volumes and temperatures.

The clear, easy to understand dashboards provide a vivid and accurate summary of tank information for all five facilities. The dashboard method of reviewing details and viewing the status of operations provides a significant opportunity for the customer to be more efficient while enabling them to respond faster to any potential problems or opportunities.

Comprehensive training was provided to the company's staff with our 'always on' 24/7 continuous service support.

Emerson's Zedi Go mobile app delivers permissioned employees the ability to view tank stats on the go from any smartphone device. Customers can now remotely monitor tank data from anywhere, improving operational efficiencies while reselling this Emerson solution to many of their customers.



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