Low-Cost Remote Tank Level Monitoring Made Easy

CLASS 1 DIV 1 CERTIFIED

CHALLENGE

Chemical and petroleum suppliers are caught between conflicting operating mandates:

1. Never allow the customer to run out of product

2. Eliminate frivolous and costly last-minute deliveries

3. Create efficient just-in-time delivery systems, saving money

To manage an efficient, just-in-time delivery system, accurate, reliable historical trend and alarm Tank data are required. Access to this type of data is crucial for increasing logistics efficiency thus driving overall supply chain cost down.

SOLUTION

Ayyeka Low-Cost Wireless Tank Monitoring Solution (TMS)

It's all about logistics & return on investment! The Ayyeka tank monitoring solution automatically provides the user historical trend and alarm data of each tank. Automatic, remote field updates provide the user ease of mind and informational based decision data.

Anytime alarm points are triggered, alerts are sent immediately without delay; this increases supply chain reliability. Tank historical trend and alarm data are automatically graphed and accessed from any web browser utilizing secure password protected technology. Tank data can be shared with forecasting, billing, inventory management applications and other logistics arms of your organization to optimize the efficiency of distribution operations. In addition, the Ayyeka cellular solution provides multiple different critical alarm levels and alert tank levels. Alarms can be received by an unlimited amount of field and/or office support personnel, via email and/or text messages and even digital voice on their cell phones and PC's. Customers today are demanding highly reliable and accurate historical, trend and alarm data which provide inventory updates to increase productivity for both the supplier and the customer. By eliminating frivolous supply chain deliveries and unneeded labor costs, operational costs are driven down. The Ayyeka IIoT cellular tank monitoring solution increases delivery reliability, saves valuable man hours, eliminates IT costs and increases the efficiency of your logistics, driving operational costs down.

APPLICATIONS

- ▶ Hazardous Environments: i.e. O&G, Chemical, LNPG pressure & Temp
- ▶ Hospital storage tanks
- ▶ Natural Gas Odorant Tanks
- ▶ Skid Tank Monitoring
- ▶ Radar, Ultrasonic and Transmitter Capable
- ▶ Used Oil and Waste Liquid Collection
- ▶ Bulk Storage
- ▶ Agriculture

BENEFITS

- ▶ DNP3 Security, meeting stringent Anti-Hacking Utility requirements of today
- ▶ No Software to Purchase or Maintain
- ▶ Monitor and optimize tank delivery and manufacturing operations
- ▶ Low Cost
- ▶ Fast & Easy Deployment
- ▶ Rugged, Field-Ready Design
- ▶ No AC Power Drops Required
- ▶ No Proprietary Software Needed
- ▶ Immediate alarms via Text and / or Email
- ▶ historical planning data both timestamp and graphical
- ▶ Automatic GPS mapping
- ▶ API's to incorporate data into current SCADA or HMI systems