



Level and Condition Monitoring
to Improve Operations
and Safety



Level Monitoring Solutions

AssetActive™ TankSmart

Tank Insight From Anywhere

In today's turbulent economic environment everyone is looking for ways to reduce costs and increase efficiency. Whether seeking critical data to improve operations or instant information to satisfy a customer's needs, TankSmart can help. TankSmart provides real time information on tank conditions anytime, from anywhere. Now you can have level, temperature and pressure data from one tank or a thousand, no matter where they are, without costly site visits.

TankSmart is one of PraxSoft's newest offerings in a powerful product portfolio which includes solutions that support real time monitoring and asset management vital to industries from water to oil and gas. Companies need to continuously monitor and manage inventory levels, often on a real time basis. When that inventory includes fluid stored in tanks, careful monitoring not only increases efficiencies and lowers costs by reducing the number of deliveries, it can improve safety by eliminating out-of-stock and dangerous overfill situations.

Wireless Sensor Nodes (WSNs) coupled with reliable liquid level sensors are used to continuously measure and analyze tank conditions. Information from these sensors is collected and sent via one of several communications methods to a server which can be accessed via the Internet, further

reducing costs by eliminating the need for hard wiring and site visits. These WSNs can be spatially distributed throughout tank farms, refineries, water sheds and chemical storage facilities to gather critical data like fluid level, temperature and pressure. This data, accessible from any Web browser, can improve operations, increase profitability and promote better decision-making.

Depth measurements are made with submersible transducers from PMC Inc. that measure the pressure caused by the column of fluid. These pressure measurements are "referenced" to the pressure at the surface of the fluid by a vented cable that is terminated into a maintenance-free enclosure at the surface. This makes the measurement independent of pressure changes caused by weather or by installation at different altitudes.

Various materials of construction are available for the submersible sensors, making them suitable for use with even the most reactive or corrosive fluids. For use with flammable or explosive fluids, or for use in hazardous areas, Class 1, Div 1 intrinsic safe ratings are available.

TankSmart's WSN-based monitoring systems are available as AC-powered devices when utility power is available, or as battery or solar-powered systems for truly remote locations. Improved data collection and dissemination promotes efficiency during all stages of production and operations. All PraxSoft products use advanced technologies to improve management and visibility.



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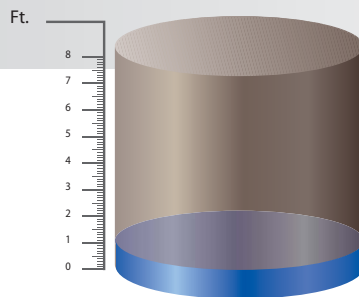


TankSmart provides:

- Real time monitoring to arm you with the information you need. From tank level to temperature or pressure, you have instant access to all of your locations, at your fingertips, around-the-clock.
- Remote access to let you see data from any tank without the need for site visits. An intuitive Web-based application allows easy access to reliable, real time information on any Internet connection by simply opening your browser and typing your password.
- Accurate inventory management to keep your operations moving and maintain your customer's inventories. This valuable information keeps you on track, streamlining operations and data collection while improving efficiencies.
- Hands-free automation to enable remote activation and control of critical operations or equipment.

Alarm features built into the systems can provide pertinent information and perform remote functions, such as automatic pump or valve control, or even signaling for the next delivery when inventory levels run low.

So choose TankSmart to bring real intelligence to your inventory management systems. Facilitate improved decision-making and keep your tank full for a real time advantage!



**For additional information
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