

The Siemens logo is displayed in a bold, white, sans-serif font in the top left corner of the page. The background of the entire top half of the page is a photograph of an oil pumpjack (jack-o'-lantern) silhouetted against a dramatic, orange and yellow sunset sky. The pumpjack is a complex mechanical structure with a long walking beam and a counterweight, used for extracting oil from a well.

SIEMENS

PROCESS INSTRUMENTATION

Improve safety and reduce cost with remote tank monitoring.

usa.siemens.com/level

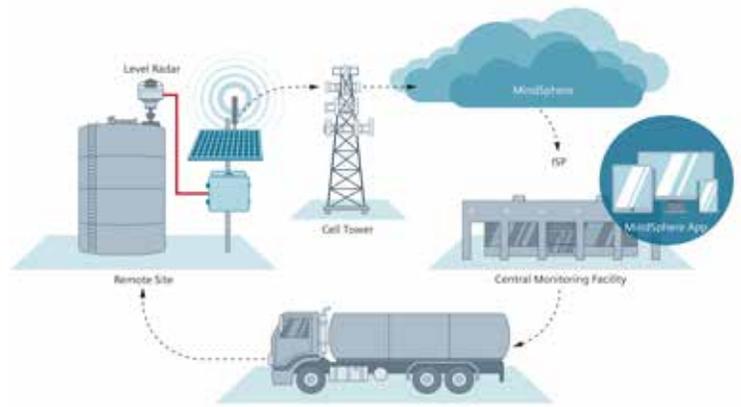
Siemens offers digital solutions for tank monitoring and other process variables in the upstream market. Manual tank monitoring is time consuming due to the long distances between sites and the time needed for manual measurements. Additionally, opening the hatch on the tanks presents a safety hazard to operators. Our remote tank monitoring solutions are fully customizable to meet your needs, including our MindSphere app designed to put real-time tank data directly in the hands of operators in the field and management in central monitoring stations. Siemens MindSphere cloud platform and industrial wireless communications technology combined with our extensive line of instrumentation improves asset management which reduces cost and improves safety.

Get more from tank data with MindSphere.

At the core of Siemens remote tank monitoring solution is MindSphere, which serves as a central data hub for all of the tanks networked to the cloud platform. Within MindSphere, tank data is aggregated to produce diagnostics and build a behavioral profile and enable predictive maintenance. The data can also be processed to calculate other key measures such as volume within the cloud to meet your tank monitoring needs. With our tank monitoring app, you'll be able to view the status, measurements, diagnostics, alerts and historical trends data from tanks across the network via a web-based platform on handheld devices and desktop computers, providing access to the data whenever and wherever you need it.



SITRANS LR250 is a 2-wire, 25 GHz pulse radar level transmitter for continuous monitoring of liquids and slurries in storage and process vessels including high temperature and pressure, to a range of 20 m (66 ft).



Siemens remote tank monitoring puts tank data at your fingertips with secure wireless communications, an extensive instrumentation portfolio and MindSphere.

Choose the communications infrastructure to best suit your needs.

Siemens industrial wireless communications equipment is the necessary link between field instrumentation data and MindSphere. Our mobile wireless routers enable data transfer to MindSphere in remote locations and come with options for multiple cellular communications standards including LTE, UMTS, and GSM. This extended offering ensures the best signal for data transfer and the most reliable network for installations. Siemens adheres to the highest security standards in network security, and all communications solutions are encrypted with firewall protection to defend against unauthorized access and cyber threats. No matter the size of the network, our scalable and secure industrial communications technology is capable of delivering the solid foundation required for safe and efficient tank monitoring.

Maximize efficiency and return on investment with Siemens instrumentation.

Our comprehensive portfolio of field instrumentation can be fitted to tanks to serve a variety of applications. Depending on the measurement accuracy, environmental conditions, and performance needed, Siemens offers a variety of instrumentation for pressure, temperature, level, and flow measurement. SITRANS LR250 is the first choice level radar transmitter for liquids in storage and process vessels. This transmitter is able to provide measurements for corrosive and aggressive materials, making it an excellent choice for crude oil measurement. Our wide selection of instrumentation ensures the right products are installed for optimal efficiency and return on investment.

Partner with Siemens for your tank monitoring needs.

Manual tank monitoring can be costly, time consuming and unsafe. As digitalization expands within the upstream market the need for the efficient management of resources while leveraging existing oilfield technologies is required to maintain a competitive advantage. Remote tank monitoring is a solution that enables the effective management of tank battery resources in preparation for the efficient deployment of transport for collection and maintenance. With Siemens as your digitalization partner, tank battery maintenance and monitoring become safe, efficient, and cost effective. Our solutions engineers are available to assist with finding the right remote tank monitoring solution with your goals in mind. Partner with Siemens today to realize your competitive advantage with remote tank monitoring.

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