

# Scalable Tank Monitoring System for Improved Inventory, Efficiency, and Safety

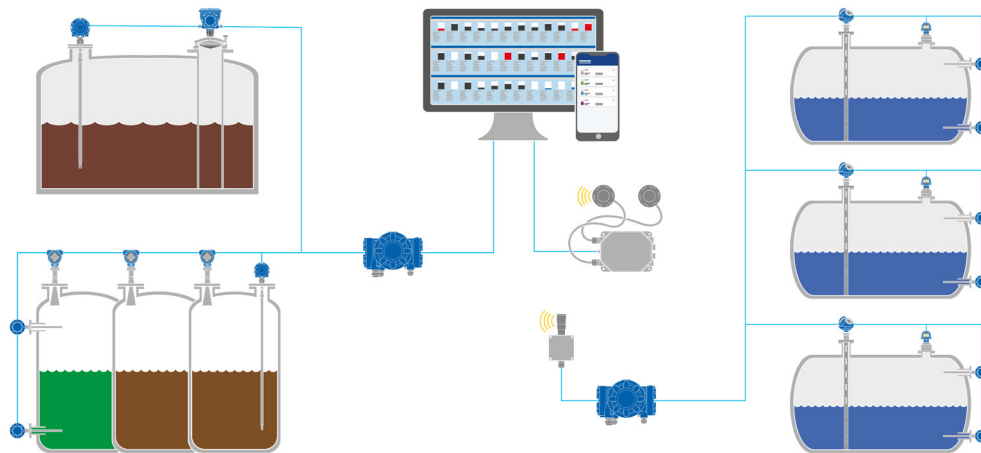


## Stay in Control of Your Tank Inventory

A tank monitoring system brings tank and inventory data straight into the control room. It enables:

- Monitoring of level measurements and volumes with easy-to-use software
- Automation of storage operations using proven and reliable technology
- Increased personnel safety by reducing the need to visit and climb tanks

The system approach can reduce cabling costs by up to 50% thanks to the unique Rosemount™ 2410 Tank Hub. Power supply is needed only to the tank hub, from there a two-wire cable with digital communication and power is daisy-chained to multiple transmitters. No rack, barriers, power conditioner and no external bus termination – it is all handled by the tank hub. Even larger cost reductions are possible when using *WirelessHART*® from the tank hub instead of running cables over long distances to remote tanks.



A tank monitoring system is a simple and efficient way to connect multiple tanks into a network and display the data in a software interface.

A tank monitoring system fits a wide range of applications, with various tank types such as:







- Smaller tanks in hydrocarbon terminals
- Ethanol and palm oil tanks
- Chemical and hydrocarbon additive tanks
- Lube oil tanks
- LPG/LNG terminals with bullet tanks
- Chemical production plants e.g., paint manufacturers

For more information, visit  
[Emerson.com/Rosemount-TankGauging](https://www.emerson.com/Rosemount-TankGauging)  
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# A Tank Monitoring System Tailored to Meet Your Needs

Different equipment options are available for tank measurements, inventory management, and communication – all are seamlessly integrated into a complete and automated system.

<p><b>Rosemount TankMaster™</b></p> 	<p><b>Rosemount 2410 Tank Hub</b></p> 	<p><b>Wireless Infrastructure</b></p> 
<ul style="list-style-type: none"> <li>Operator interface for inventory management</li> <li>Level and volume data, alarms, automatic reports, etc.</li> <li>TankMaster Mobile: device responsive app for inventory insight anytime and any place</li> </ul>	<ul style="list-style-type: none"> <li>Feeds power to transmitters via intrinsically safe tankbus</li> <li>Supports up to 10 tanks</li> <li>Supports multiple communication protocols including <i>WirelessHART</i></li> <li>Offers two configurable relay outputs</li> </ul>	<p><b>Emerson 775 Wireless THUM™ Adapter</b></p> <ul style="list-style-type: none"> <li>Wireless communication to entire loop via the tank hub</li> </ul> <p><b>Emerson 1410S Wireless Gateway</b></p> <ul style="list-style-type: none"> <li>Secure, scalable, and reliable self-organizing network</li> </ul>
<p><b>Non-contacting Radar</b></p> 	<p><b>Guided Wave Radar</b></p> 	<p><b>Temperature Measurement</b></p> 
<p><b>5900C Radar Level Gauge</b></p> <ul style="list-style-type: none"> <li>High accuracy, suitable for larger tanks and still-pipes</li> </ul> <p><b>5408 Level Transmitter</b></p> <ul style="list-style-type: none"> <li>Suitable for smaller tanks – up to ten transmitters can be connected to one tank hub</li> </ul>	<p><b>5300 Guided Wave Radar</b></p> <ul style="list-style-type: none"> <li>Great for pressurized bullet tanks, e.g., with LPG – up to five transmitters per tank hub</li> </ul> <p><b>3308 Wireless Guided Wave Radar</b></p> <ul style="list-style-type: none"> <li>Battery powered, true wireless</li> </ul>	<p><b>2240S Transmitter with 565 or 765 Multiple-Spot Sensor</b></p> <ul style="list-style-type: none"> <li>Highly accurate multiple spot temperature for precise volume calculations</li> </ul> <p><b>644 Transmitter with 214C Single Point Sensor</b></p> <ul style="list-style-type: none"> <li>For single spot measurement</li> </ul>

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