

Tank Gauging Emulation

Unlock the potential in your system

WHAT IF...

you could switch to new radar gauges without major investment?

*Replace existing equipment **seamlessly** without new wiring or communication networks with emulation from Emerson™.*



Challenges



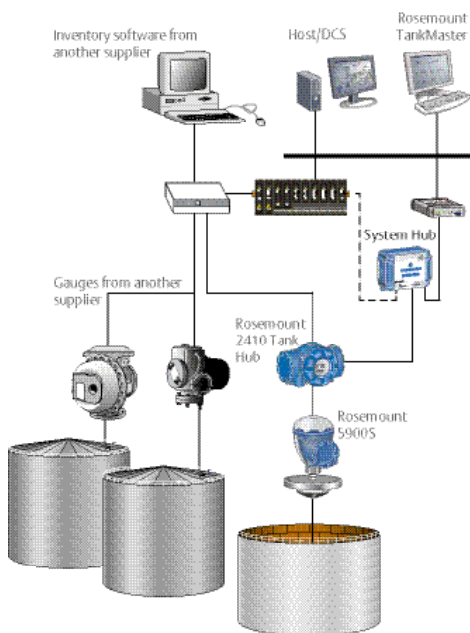
Upgrading legacy tank gauging systems can be very costly and result in considerable downtime.

- Old mechanical devices that use float or servo technology can cause unreliable measurements and high maintenance costs
- Replacing a complete tank gauging system is costly and partial upgrades are difficult due to communication compatibility issues
- Inaccurate level measurements result in unsafe operation, underutilization of tanks and transfer uncertainty, reducing the efficiency of tank farm operations



Rosemount™ 5900S Radar Level Gauge

Our Solutions

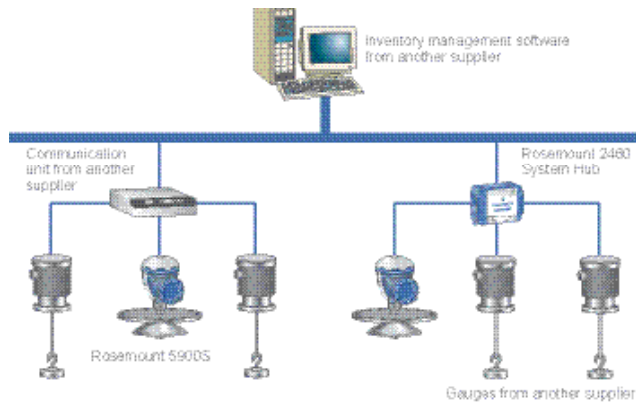


Replace old mechanical or malfunctioning radar devices with modern, reliable Rosemount 5900 radar level gauges.

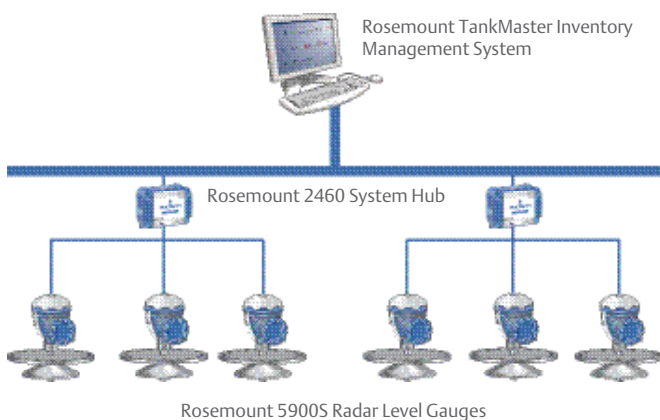
- Emulation provides a simple and cost-effective solution for tank gauging upgrade projects
- Enables a step-by-step upgrade of existing equipment from any major supplier on the market
- Replaces old or malfunctioning field and control room equipment seamlessly
- Uses existing cabling and communication protocols for cost-efficient installation
- Lowers maintenance costs and improves safety for more efficient operations



How it Works



Start by replacing old, obsolete, or malfunctioning equipment such as mechanical gauges or communication devices, with modern and reliable Rosemount Tank Gauging equipment. The existing host system will not see any difference since the new device imitates the old. Continue to upgrade incrementally as the budget allows.



The Rosemount 5900 Radar Level Gauge seamlessly replaces a level gauge from another supplier.

Obsolete data concentrators and unsupported software in the control room are replaced with Rosemount 2460 System Hub and Rosemount TankMaster Inventory Management Software.

The system hub connects with gauges from other suppliers and TankMaster communicates with the old data concentrators. Data exchange with field devices is continuous, often with a better update rate than before.

Learn more: Emerson.com/TankGaugingEmulation

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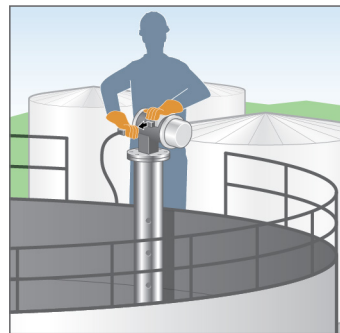
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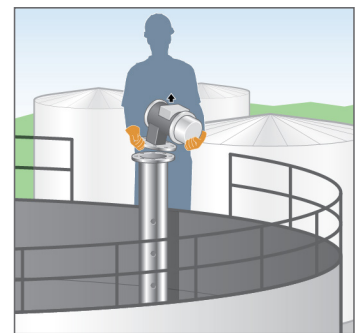
Supported Communication Protocols

- Enraf® Bi-phase Mark GPU
- GPE 31422/31423
- L&J Tankway
- Sakura
- Tokyo Keiso (TIC)
- Varec® Mark/Space
- Whessoe WM550/660

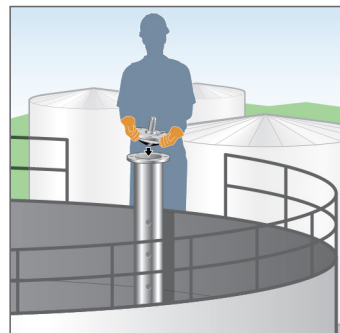
Quick and Easy Installation



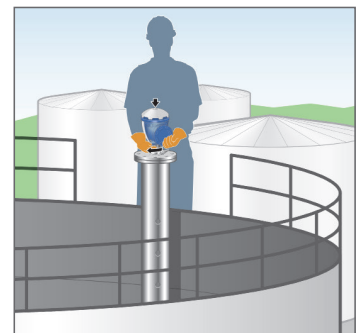
Disconnect existing cabling.



Remove the old gauge.



Mount the antenna.



Install radar and re-connect wiring.


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