



UNLOCK THE POTENTIAL IN YOUR SYSTEM

Replace existing equipment step by step without new wiring or communication networks with emulation technology from Emerson.

Tank Gauging Emulation

Emulation lets you seamlessly replace old or malfunctioning field or control room equipment with modern and reliable devices based on radar technology. The existing cabling and communication protocol can still be used. Lower maintenance costs, improved safety and more efficient operations are some of the benefits.

Challenges

- Old mechanical devices that use float or servo technology, and other vendors' non-working radars, 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

Our solution

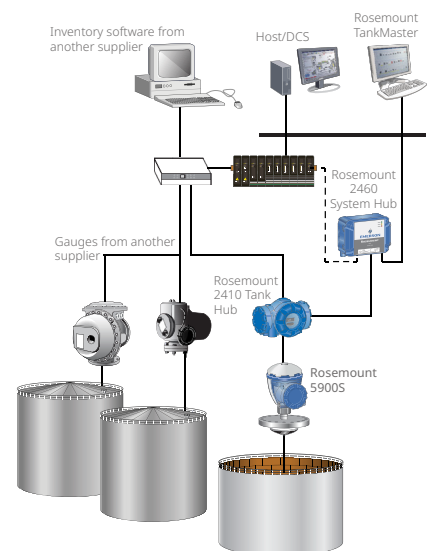
- Emulation provides a simple and cost-effective solution for tank gauging upgrade projects
- Enables a step-by-step upgrade of existing equipment from any major supplier on the market
- Replaces old or malfunctioning field and control room equipment seamlessly
- Uses existing cabling and communication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



Rosemount 5900S Radar Level Gauge



Rosemount 2460 System Hub



Replace old mechanical or malfunctioning radar devices with modern, reliable Rosemount 5900 Radar Level Gauges.

UPGRADE YOUR SYSTEM STEP BY STEP

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 the 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.

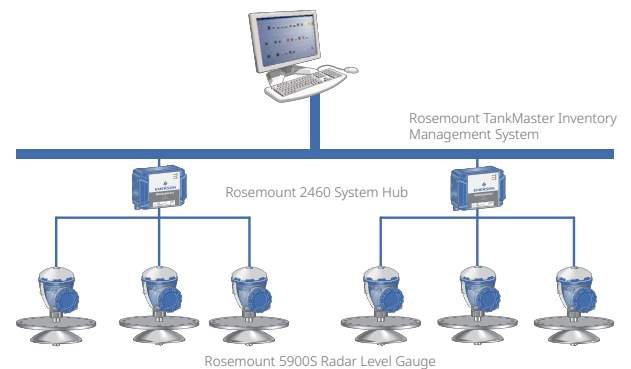
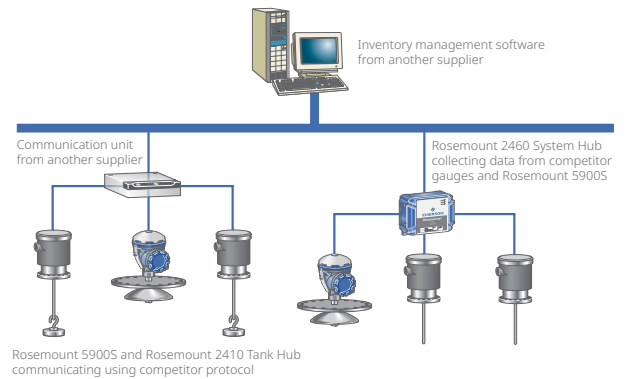
Supported protocols

- Enraf® Bi-phase Mark GPU
- Enraf® FlexConn (For configuration)
- GPE 31422/31423
- L&J Tankway
- Tokyo Keiso (TIC)
- Varec® Mark/Space
- Whessoe WM550/660
- Modbus RTU/TCP
- Sakura V1/MDP (E+H)

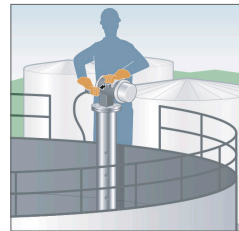
For more information, visit
[Emerson.com/TankGaugingEmulation](https://www.emerson.com/TankGaugingEmulation)

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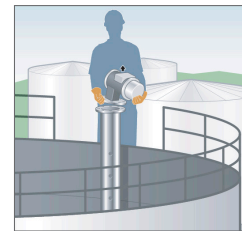
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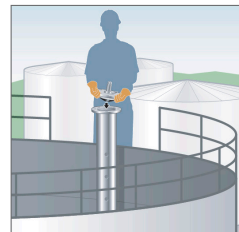
Quick and easy installation



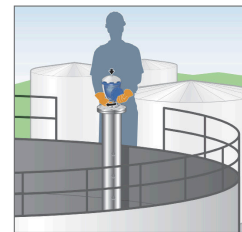
Disconnect existing cabling.



Remove the old gauge.



Mount the antenna.



Install radar and re-connect wiring.