ROSEMOUNT™ TANK GAUGING SYSTEM

Insights delivered. Right away.

EMERSON™

Everything you need for total control

Efficiency
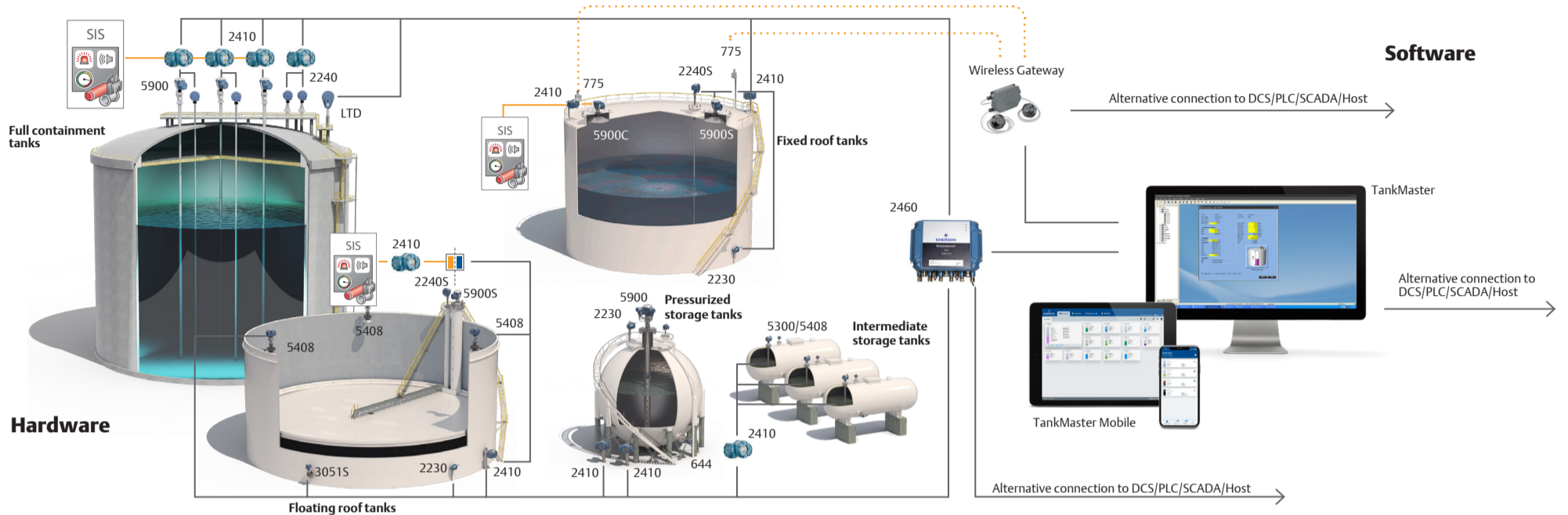Access to precise data in real time speeds up plant operations

Safety
Overfill prevention solutions fulfilling API 2350 and IEC 61511
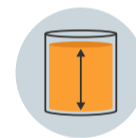
Accuracy
Reliable net volume calculations based on API and ISO standards

Scalability
Open communication standards make it easy to add or replace devices

Software

SIS — 2410 — 5900 — 2240 — LTD

Full containment tanks

775 — 2240S — 2410 — 2410

Wireless Gateway

Fixed roof tanks
5900C — 5900S

Alternative connection to DCS/PLC/SCADA/Host

TankMaster

SIS — 2410 — 2240S — 5900S

5408 — 5408 — 5408

Pressurized storage tanks
5900 — 2230

2460

Alternative connection to DCS/PLC/SCADA/Host

Intermediate storage tanks
5300/5408

TankMaster Mobile

Hardware

3051S — 2230 — 2410

Floating roof tanks

2410 — 2410 — 644

2410

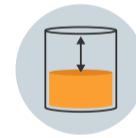Alternative connection to DCS/PLC/SCADA/Host

Rosemount TankMaster™

Inventory control
Accurate measurement and volume calculations.

Certified custody transfer
Custody transfer tank data certified by legal metrological institutes.

Overfill prevention
Reliable safety monitoring and alarm management.

System highlights

2-in-1
Simplify installation with two radar gauges for level and overfill measurements in one tank opening.

Emulation
Perform cost-efficient step-by-step upgrade of field and control room equipment from all major suppliers.

Floating roof monitoring
Improve reliability with continuous surveillance via Rosemount TankMaster software.

Overfill prevention and proof-testing
Fulfill safety regulations and benefit from remote comprehensive proof-testing.

Wireless
Save cost and installation time. Allow for redundant communication, and connection of previously isolated tanks.

Mobility
Stay connected – anytime, anywhere.

Hardware for measurements

Radar Level Gauges & Antennas

Radar Level Gauge
**Rosemount 5900S
(with 2-in-1 option)**

Parabolic

Still-pipe Array

Radar Level Gauge
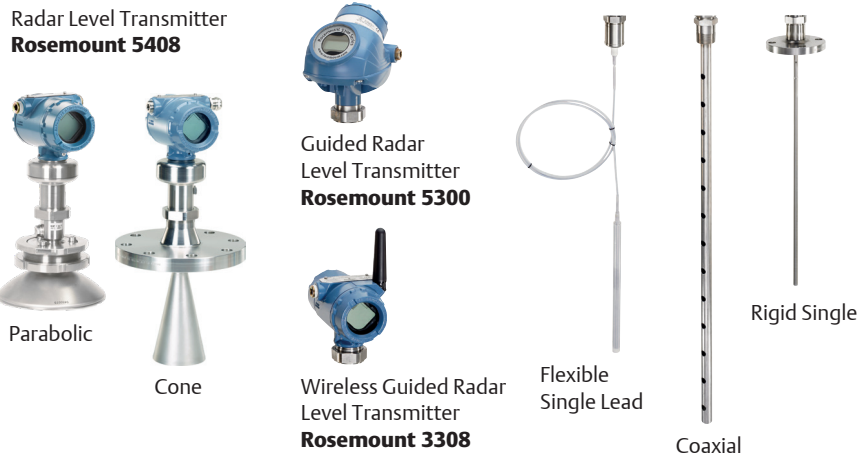**Rosemount 5900C**

Horn

Cone

LPG and LNG
(Liquefied Gas)

Radar Level Transmitters & Antennas

Radar Level Transmitter
Rosemount 5408

Parabolic

Cone

Guided Radar
Level Transmitter
Rosemount 5300

Wireless Guided Radar
Level Transmitter
Rosemount 3308

Flexible
Single Lead

Coaxial

Rigid Single

Connectivity and Data Access

System Hub
**Rosemount
2460**

Tank Hub
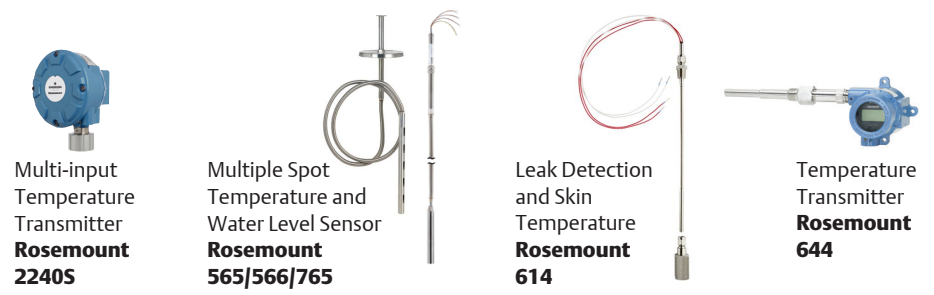**Rosemount
2410**

Display
**Rosemount
2230**

Wireless Connection

Emerson Wireless 1410S
Gateway

Emerson Wireless 775
THUM™ Adapter

Temperature, Water and Pressure Measurement

Multi-input
Temperature
Transmitter
**Rosemount
2240S**

Multiple Spot
Temperature and
Water Level Sensor
**Rosemount
565/566/765**

Leak Detection
and Skin
Temperature
**Rosemount
614**

Temperature
Transmitter
**Rosemount
644**

Single Point
Temperature Sensor
65/114C/214C

Pressure Transmitter
**Rosemount
3051S/2051**

Point Level Detection

Level Detector
**Rosemount
2140**

Level Detector
**Rosemount
2160**

EMERSON™