The Rosemount Cargo Monitoring System has for a long time been a trusted solution and the preferred choice on tankers.

Ensure Safe Cargo Operation
• The unique possibility to have independent measurement channels in one unit gives valuable advantages. Using a high-level and overfill alarm system integrated in the radar gauges ensures safe cargo operation.

Perfectly fitted for Marine purpose
• The tank radar gauges are designed to meet the requirements of harsh marine environment and function under all adverse circumstances for continuous operation.

Quick Support Anywhere
• With Emerson global support network and presence in all strategic marine hubs, we can assist you and your crew Anytime, Anywhere.

• New Rosemount TGU 68C Tank Radar Gauge, Parabolic, for radar level measurement in cargo tanks
• New Rosemount TGU 65C Tank Radar Gauge, Still Pipe, for radar level measurement in pipes in narrow cargo tanks
• Superior reliability and accuracy, with unique feature of independent measurement channels in one unit

The new Rosemount TGU 68C Tank Radar Gauge, Parabolic, is the ideal choice for free space measurement in all types of cargo tanks with its narrow antenna lobe.

The new Rosemount TGU 65C Tank Radar Gauge, Still Pipe, is suitable for installation in narrow tanks. The low-loss mode makes it insensitive to build up of deposits inside the pipe.

The TGU 68C and TGU 65C are designed for accurate and reliable cargo tank monitoring under all conditions, and they are integrated in the Rosemount Cargo Monitoring System.

The radar gauges are suitable for tank depths up to 35 m and can be delivered with integrated vapor pressure sensors and multiple independent level measurement channels.
## Marine Tank Management

### COMPARISON | Rosemount Cargo Monitoring System versus Other Systems

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>ROSEMOUNT CMS</th>
<th>OTHER SYSTEMS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Availability</strong></td>
<td>Quality products designed especially for marine applications, reliable under all conditions. Full redundancy options available.</td>
<td>Varying quality, often originating from shore applications. Redundancy typically not available.</td>
</tr>
<tr>
<td><strong>Performance</strong></td>
<td>FMCW radar with superior accuracy under all measurement conditions.</td>
<td>Acceptable performance in laboratory, but significantly degraded under field conditions.</td>
</tr>
<tr>
<td><strong>Operational Safety</strong></td>
<td>Radar based high level and overfill alarms by multiple radar measurement channels in one tank radar gauge.</td>
<td>High level and overfill alarm systems with moving parts.</td>
</tr>
<tr>
<td><strong>Solving Problems</strong></td>
<td>Detailed device status and diagnostics allows crew to be proactive and solve problems.</td>
<td>Device diagnostics typically not available and service engineer attendance required.</td>
</tr>
<tr>
<td><strong>Selection Range</strong></td>
<td>Options suitable for all types of tanker applications.</td>
<td>Fewer options means less perfect fit for the application.</td>
</tr>
<tr>
<td><strong>Rules and regulations</strong></td>
<td>System approved by all major classification societies and regulatory authorities.</td>
<td>Limited number of type approvals for products.</td>
</tr>
<tr>
<td><strong>Service</strong></td>
<td>Global service network with skilled engineers and spare parts quickly available</td>
<td>Limited service network, with long lead time on spare parts and support.</td>
</tr>
<tr>
<td><strong>Long Term Support</strong></td>
<td>Supporting older products for long time and always giving possible upgrade solutions.</td>
<td>Only latest products supported, and systems quickly run out of spare parts and support.</td>
</tr>
</tbody>
</table>
SYSTEM LAYOUT

- Printer
- Workstation
- Redundant Workstation
- I/O Box
- I/O Unit
- Supply and Communication Unit
- High Level/Overfill Alarm panel
- Electropneumatic Level
- Safe Area
- Hazardous Area
- Pressure Sensor
- TGU Integrated
- Local Display
- Temperature Measurement
- Tank Cleaning Monitoring
- Tank Radar Gauges and Auxiliary Equipment
- TGU 58
- TGU 65
- TGU 65
- TGU 68
- TGU 68

CONTACT US
Please contact us for further information:

Emerson Process Management
Marine Tank Management

www.emersonprocess.com/mtm

©2015 Emerson Process Management. All rights reserved.
The Emerson logo is a trademark and service mark of Emerson Electric Co. DeltaV is a mark of one of the Emerson Process Management family of companies. All other marks are the property of their respective owners.
The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice. Content of legal disclaimers is dependent on each business unit’s legal requirements.