



Introducing The Certified Bunker Measurement Solution

What if You Could Simplify and Manage Your Bunkering Operations With Greater Transparency and Traceability?

Certified Bunker Measurement Solution with Aperio Platform

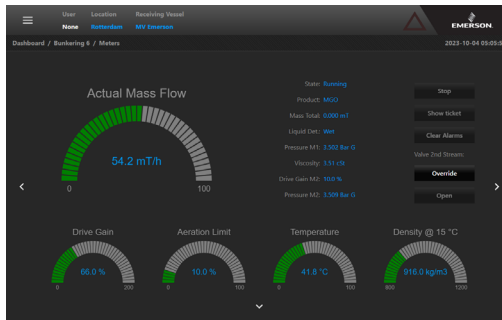
Emerson's Certified Bunker Measurement Solution provides fuel buyers and fuel suppliers with a window into the bunkering operation. Leverage the new Aperio platform to get unparalleled data transparency and unlock system architecture as never before.

Session overview

Bunkering	Product	State	Actual Mass Flow	Mass Total
Session #1	Not keyed-in	Idle	0.0 mT/h	0.000 mT
Session #2	Not keyed-in	Idle	0.0 mT/h	0.000 mT
Session #3	Not keyed-in	Idle	246.0 mT/h	20.000 mT
Session #4	Not keyed-in	Idle	50.0 mT/h	5.000 mT
Session #5	Not keyed-in	Idle	62.0 mT/h	25.000 mT
Session #6	Not keyed-in	Idle	296.0 mT/h	25.000 mT

Alarm overview

Alias	Message
AO26	Supply Transmitter Communication Failure
AO26	M1 Sensor Transmitter Communication Failure



Bunker process



Process trend

Simplified System

- MID certified stand-alone solution with possibility to connect to the vessels network for monitoring via the internet browser on any PC or tablet
- Leverage a standard network printer

Operating Flexibility

- Available in three sizes, for 2, 4 and 6 metering systems
- Capability of handling two MID metering systems with two meters in parallel to extend the flow rate range

Greater Transparency

- Centralized dashboard with a comprehensive overview of all bunker operations
- Real-time data and extensive event and data logging for better historical overview



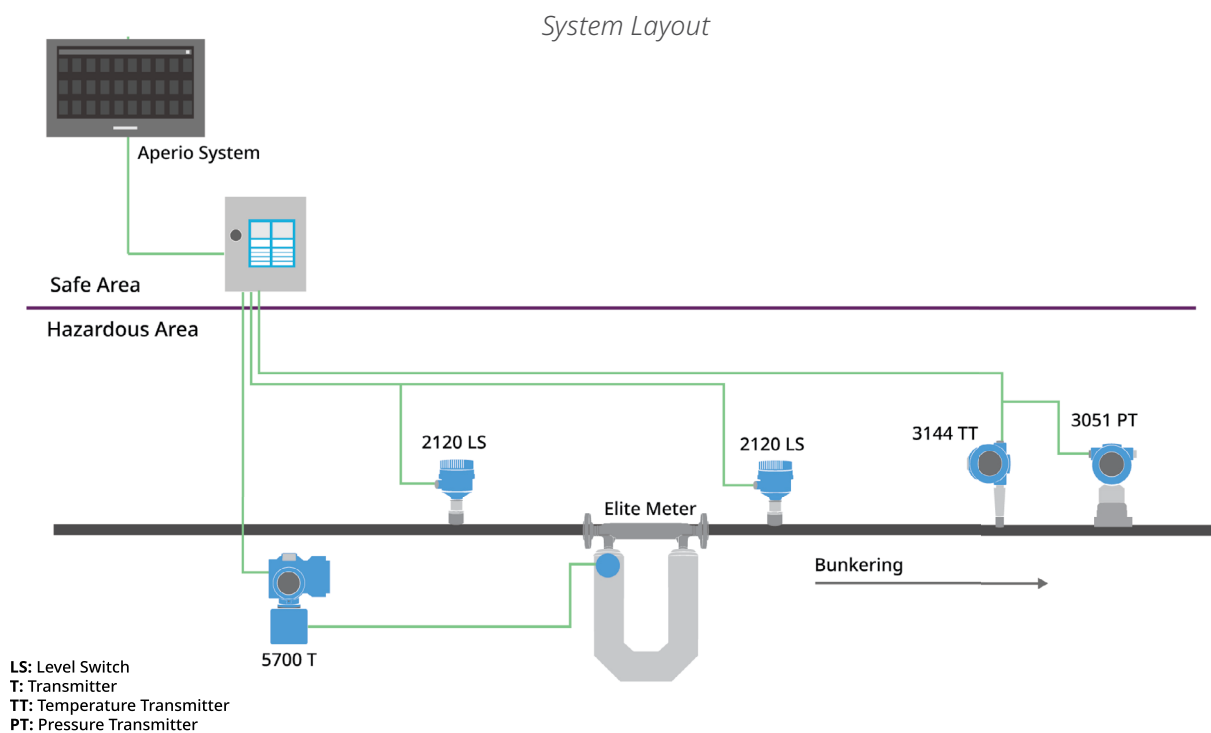
MID Certified Bunker Cabinet

Emerson Certified Bunker Measurement Solution with Aperio Platform

System Overview

Emerson Certified Bunker Measurement Solution is fit for all marine fuel types, from conventional heavy-fuel oil to alternative fuels such as blended biodiesels and even ammonia. The U-shaped geometry of the flow tubes delivers a better air handling for a higher measurement accuracy and allows the system to handle multiple fuel types without any change to the measuring system, so no intervention of a service engineer is required when switching to another fuel type. Sealed components ensure accurate, traceable and transparent data onboard the vessel.

With the 10" capacitive touchscreen, navigation between the different bunker sessions becomes easy. It also eliminates the need for extra physical buttons on the cabinet.



Monitor up to 6 bunkering's simultaneously

- Monitor and process the data of up to 6 metering systems simultaneously.
- Leverage diagnostic function to detect any abnormality during bunkering and take corrective action.

NAS

- Leverage datalogging's of all relevant (diagnostic) data for future analysis and troubleshooting
- Store Bunker ticket and bunker report onto the NAS for future reference

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

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