

Marpower Fuel Oil Monitoring System (FOMS)



Does the amount of incoming and outgoing fuel match? The Marpower Fuel Oil Monitoring System module monitors and reports on fuel stocks, current consumption and consumption history. The data will be made available in a transparent way and will also be safely archived.

Accurate fuel measurement is important, especially in commercial shipping. Marpower Fuel Oil Monitoring acts as a watchdog. In case deviations between the incoming and outgoing fuel or sudden deviations in consumption are detected, it will automatically send an e-mail with these notifications. This is valuable information for fleet managers.

Analyzing consumption and acting accordingly

Does the customer opt for integration with MAS? Then all information from the Fuel Oil Monitoring System will be presented clearly on each screen. Data can be analyzed and, based on this analysis, determine whether and how he can optimize the availability of fuel and thus save costs.



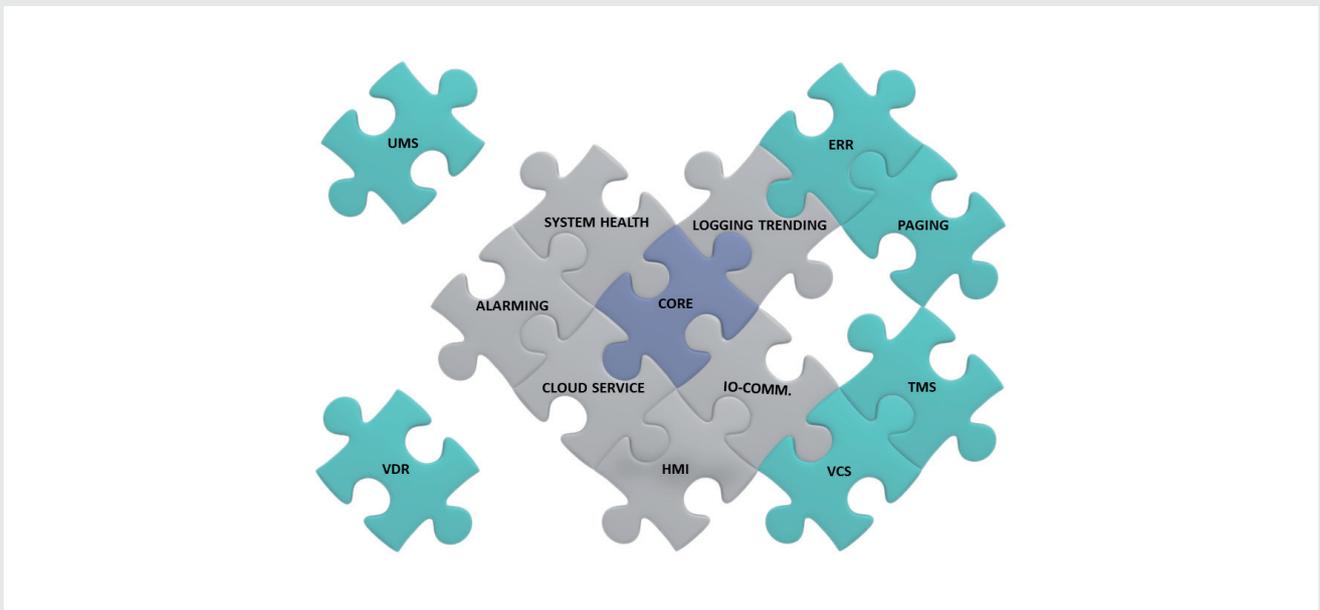
Advantages of the Marpower Fuel Oil Monitoring System

- ✓ Control over the intake and delivery of fuel
- ✓ Overview of actual and historic consumption
- ✓ Use analysis
- ✓ High data reliability (higher than analogue, visual readout)
- ✓ Fuel saving
- ✓ Lower initial costs (one central touchscreen for all readouts)
- ✓ Less personnel needed
- ✓ Theft prevention

The Fuel Oil Monitoring System (FOMS) module is a reporting module based on reliable measuring systems to measure fuel flow at various points in the installation.

At least a standard MAS system is required with the reporting system module added. A mimic is available for the operator to perform various actions such as a trip reset or sending reports. Deviations between intake and delivery are shown on the mimic

as well as in the reporting. The report can be sent as PDF by email, printed or stored locally. In consultation, the reporting format can be made specific for easy import into each management system.



Marpower is a brand name for automation systems, frequency converters, electronics and power converters which are produced in-house.

The Marpower Automation System is a flexible and scalable platform for alarming, monitoring and control of systems. The graphical user interface is intuitive, user-friendly and scalable, it can be adapted to user specific requirements. A unique feature of the Marpower Automation System is ability to configure the system in a multiple redundant configuration. In addition, the software components are hot-standby, so seamless redundant services can provide an optimal user experience in case of a system failure. The minimum system consists of 2 industrial workstations or industrial panel PCs, combined with PLC hardware and remote I/O.

The Marpower Automation System can process large I/O amounts (> 10000) without losing reaction speed. With optimum tuning of the system components via a gigabit network, reaction times of 250 ms maximum can be realized. The system is executed from a Linux environment for optimum speed, stability and security. Due to this operating system, no licenses are needed for our software. Another advantage is the use of commercial off-the-shelf hardware which is world-wide available. With the Marpower Automation System, a suitable solution can be offered for each ship, from coaster to cruise ship!

Marpower Automatising System

- BCS - Ballast control system
- EMS - Energy management system
- FOMS - Fuel oil monitoring system
- PMS - Power management system
- TMS - Tank monitoring system
- VCS - Valve control system