MARPOWER®
Automation

Marpower Reporting System (RS)

The notation UMS (Unmanned Machinery Space) makes it compulsory to report a set of essential data four times a day. This is time-consuming work. The Marpower module Reporting System reports automatically and generates a clear and well-organized report.

Daily Log

The Marpower Reporting System automatically logs the designated parameters of the essential systems in engine rooms several times a day. All logged parameters are automatically sorted by the system. The operator can have the reports automatically printed, saved as PDF and sent by e-mail. This saves time and ensures clear, error-free reporting in accordance with UMS notation.

MRV Report

It is mandatory to administrate MRV reporting (Monitoring, Reporting & Verification) for ships > 5000GT with the aim of showing the CO_2 emissions of the maritime sector in the EU. The Marpower reporting system can, in combination with the Fuel Oil Monitoring System, collect the required MRV data for you and provide the reporting for you.
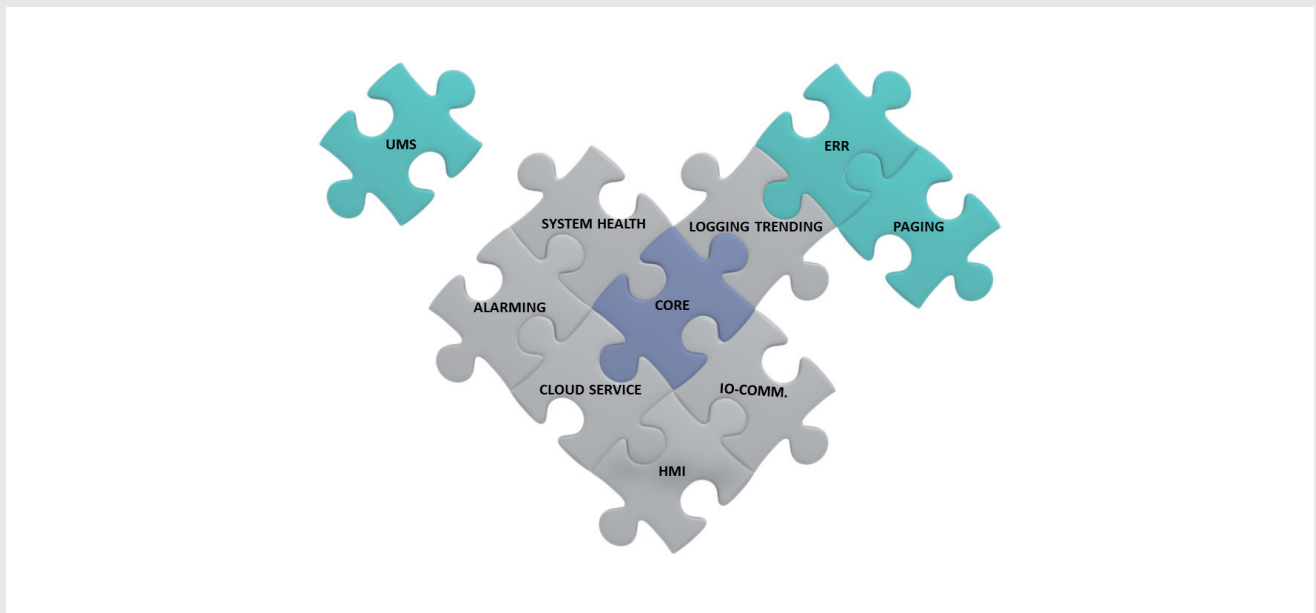
Advantages of Marpower Reporting System

✓ Reports according UMS notation
✓ Report fully automatically
✓ Sorting by system
✓ Clear daily reports
✓ Automatic printing, saving as pdf and e-mailing
✓ Direct input for Condition Based Monitoring
✓ Part of the Unmanned Machine Space retrofit package

The reporting module can be used from a standard MAS system. The set of signals required for the daily log is managed in the I/O list and additional configuration possibilities can be adjusted by means of a mimic screen.

The reporting system can also produce other reports such as the Fuel Oil Monitoring System reports and, in combination with these systems, MRV reports can be produced. The reports can be printed or centrally stored or sent via email. It is also possible to make company-specific reports or links to management packages. Please consult us for the possibilities.

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 Automatisering 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