

CBM+ Bilge Water Compliance Monitoring System

RWO

Enabling Safe Discharge of Uncontaminated Water Overboard

The clean bilge monitoring system CBM+ is the monitoring system for tankers, cruise vessels and other ships with additional focus on environmental compliance. It is designed to monitor and control liquid discharges overboard your vessel in respect of its oil content. The system prevents the discharge of non-compliant oily water mixtures by automatically recirculating the liquid to the bilge water tank if the oil content is above a predetermined limit.

This compact system can be installed as a last monitoring and control device in the outlet pipe prior to the overboard discharge valve for safety purposes. Although designed with bilge water in mind other discharges like clean drains e.g. condensate from air conditioners can be monitored as well. The system independently monitors whether the maximum oil content is reached depending on the selected set-point of 5 or 15 ppm. Lower set-points can also be chosen on site.



CBM+ is a reliable system prior to discharging bilge water

The unit enables the safe discharge of uncontaminated water overboard. However, if there is oil present and it reaches a specific limit, a 3-way valve automatically returns the liquid to the bilge tank for further treatment. This way compliance with IMO MEPC.107(49), particular sensitive sea areas (PSSA) or other class or vetting regulations can be ensured.

Proof of Location by GPS Data

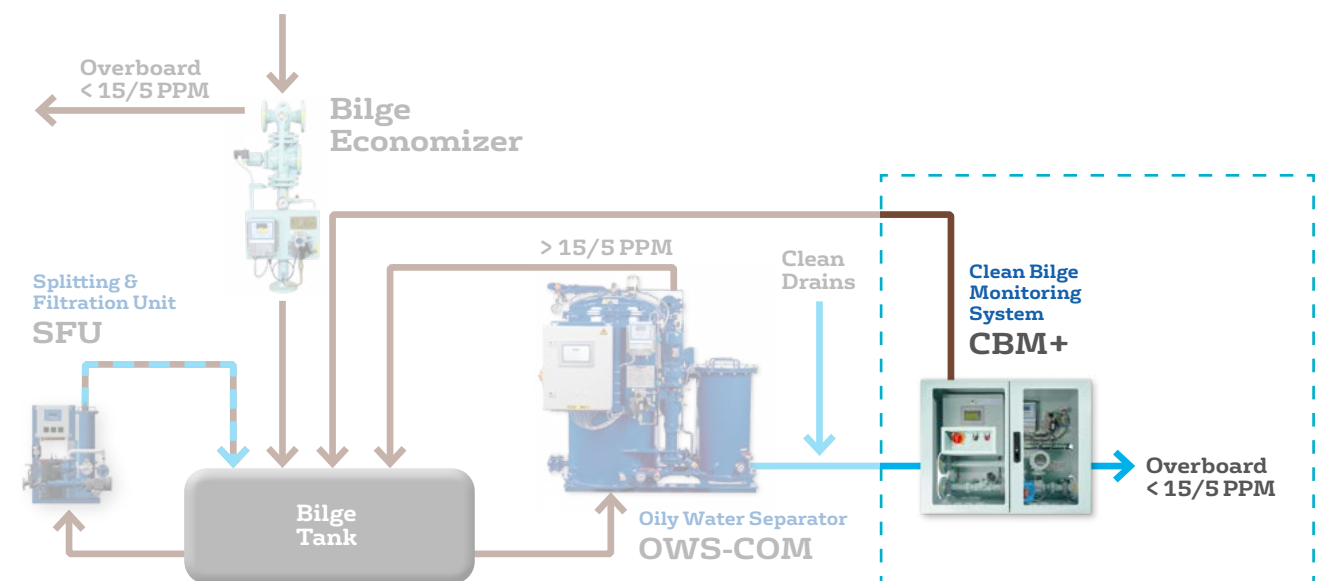
CBM+ includes an input of GPS data from the ship and multiple electrical potential free contacts that enable the connectivity to the ships' AMS system.

The system records and stores data on date, time, location, flow rate and oil content of every operation for 18 months. All relevant data is available via the system's touch screen and can be downloaded. This enables the crew to present the discharge data to port state control or other involved authorities.

Tamper Proof

The unit is designed as a standalone device, ready for plug and play and does not require any connection to an existing oily water separator. The housing of this tamper-proof designed unit is locked and any opening of the doors is recorded.

While the ship is in port or restricted areas, a so called 'Port Switch' can be enabled. In this mode the 3-way valve is locked in recirculation mode to prevent any overboard discharge.



Compliance

CBM+ is the perfect tool to prove that your vessel and crew comply with the respective laws and regulations.

Key Features & Benefits

- > Final compliance monitoring system directly prior to overboard discharge
- > Easy to read display of ppm curves
- > Tamper proof record of all relevant data
- > Connectivity to ships AMS
- > Compact plug & play design
- > Tamper proof housing
- > High quality components made in Germany