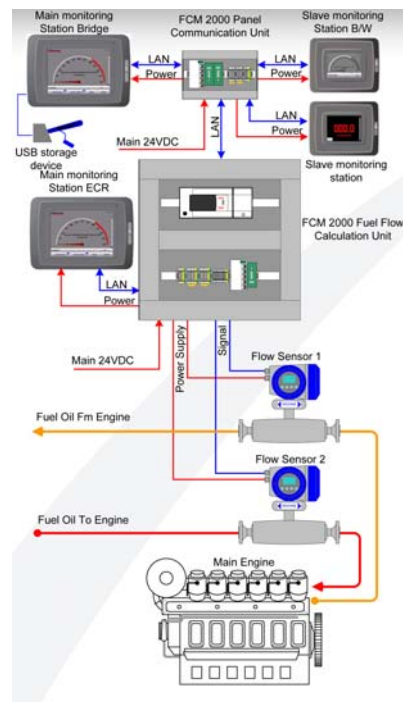


Fuel consumption monitoring with OPTIMASS

The times of cheap energy are over and efficiency is once again of vital importance. Bentzen Elektro (Norway) helps vessel owners to monitor their fuel consumption using KROHNE's OPTIMASS 1300 Coriolis mass flowmeter, introduced at last years AICHEM. The FCM 2000 Fuel Consumption Monitoring system, Bentzen Elektro offers, is used to find the ideal combination of propeller pitch and engine RPM for the actual load condition. This way, minimal reductions in pitch and speed may provide significant accumulated fuel savings. The Bentzen Elektro system not only reduces the amount of combusted fuel, but also the emissions. The FCM 2000 uses OPTIMASS flowmeters from KROHNE. Bentzen Elektro installed OPTIMASS because it is maintenance free and does not contain parts that could obstruct fuel flow if a malfunction should occur. OPTIMASS measures Marine Gas Oil or heavy fuel for propulsion.



OPTIMASS 1300 in the monitoring system

The OPTIMASS 1300 reliably records mass flow, density, temperature and concentration of both liquids and gases. In addition, the OPTIMASS 1000 sensor is the only mass flowmeter in its class to feature secondary containment. The straight double measuring tube is made of stainless steel as standard and features an optimized flow splitter for minimal pressure loss. This guarantees the ability to easily clean and drain the tube. Like the OPTIMASS 7000, the OPTIMASS 1000 is independent of the type of installation as well as external influences. Common process connections as well as hygienic connections are available.

The new MFC 300 converter is based on the same platform as the IFC 300 and is thus adaptable to virtually all I/O requirements and sets new standards in the area of diagnosis and process diagnosis.

The OPTIMASS 1300 also features an impressive price-performance ratio.

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