

Fuel Monitoring and Telematics



REMOTE MONITORING OF TANKER, BULK AND OFFSHORE VESSELS

Mercurysoft's Telematics solutions measure and analyze the operating parameters of engines, generators, boilers, and other vessel equipment. These solutions are used on all types of vessels, including tanker, bulk carriers etc.

A key component is the fuel consumption control system, which enables shipowners and operators to significantly reduce fuel consumption, improve operational processes and safety, enhance vessel maintenance quality, and increase the accuracy of CO2 emissions calculations.

Monitoring of parameters can be conducted both on the vessel and remotely. Data is provided in convenient graphs or tables via the telematics service.

Tanker and bulk carrier vessels

Operating parameters

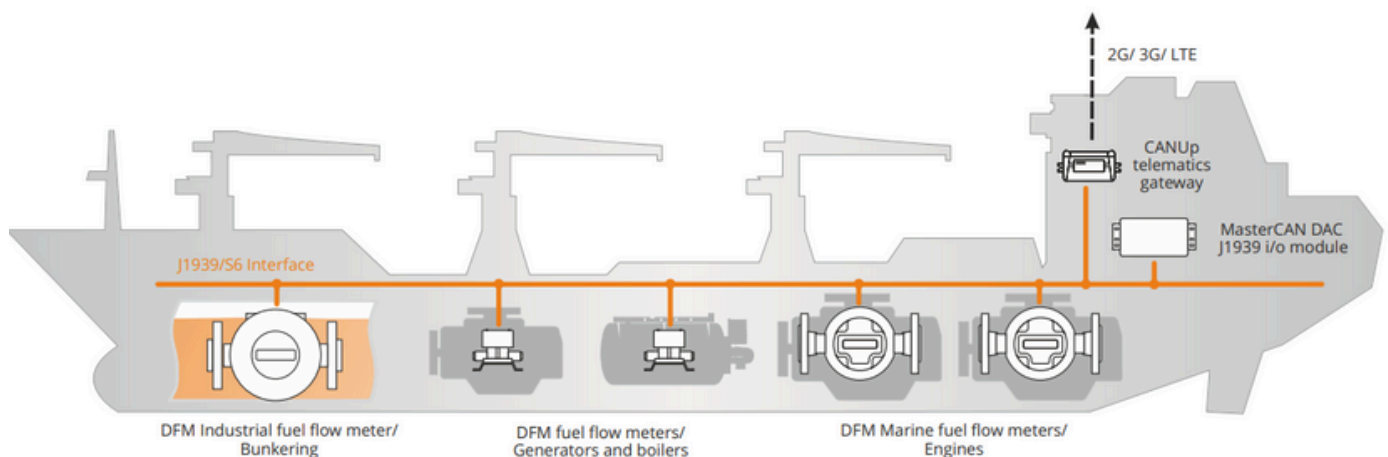
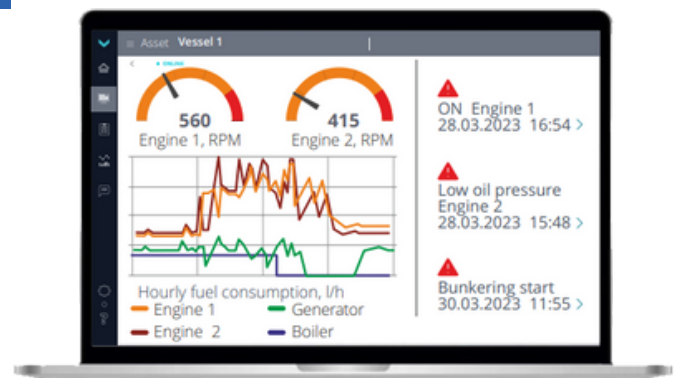
- Hourly fuel consumption of engines, diesel generators, boilers.
- Operating time of each fuel consumer in "Idle", "Loading," and "Overload" modes.
- RPM, temperature of technical fluids, and other data from standard and additional sensors.
- Location, route, and traveled distance.
- Bunkering – duration and volume of received fuel.

Events

- On/off status of engine, generator and boiler
- Fuel flow meter cheating, engine overspeed, boiler overheating

KEY FEATURES

- **Fuel consumption control for each engine**
- **Prevention of fuel theft from the main pipeline**
- **Monitoring engine performance parameters**
- **Updating fuel consumption norms**
- **Bunkering control**
- **Location and course monitoring**



Offshore vessels

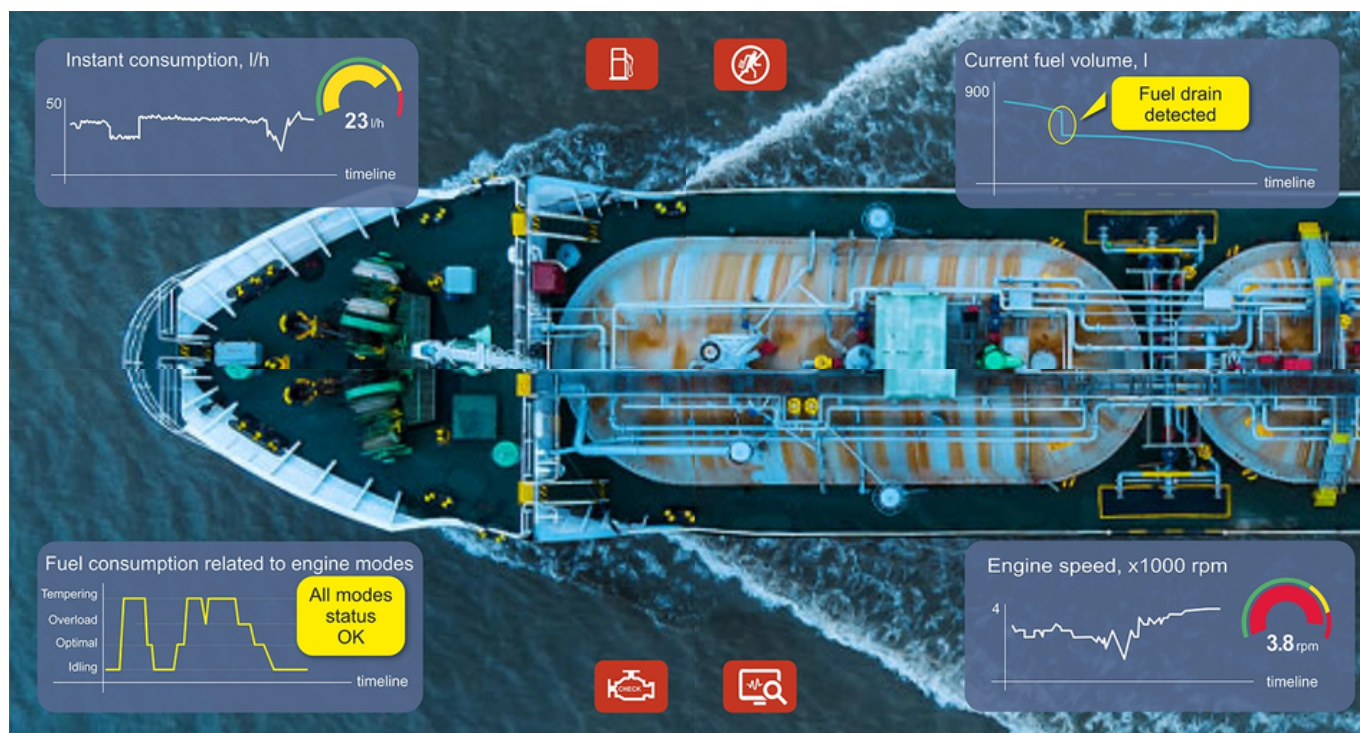
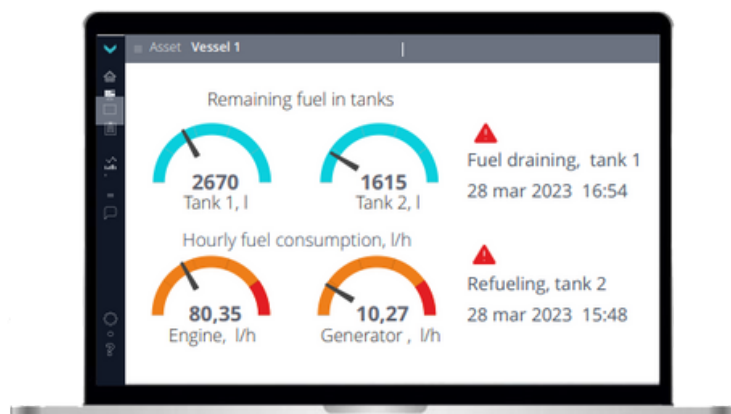
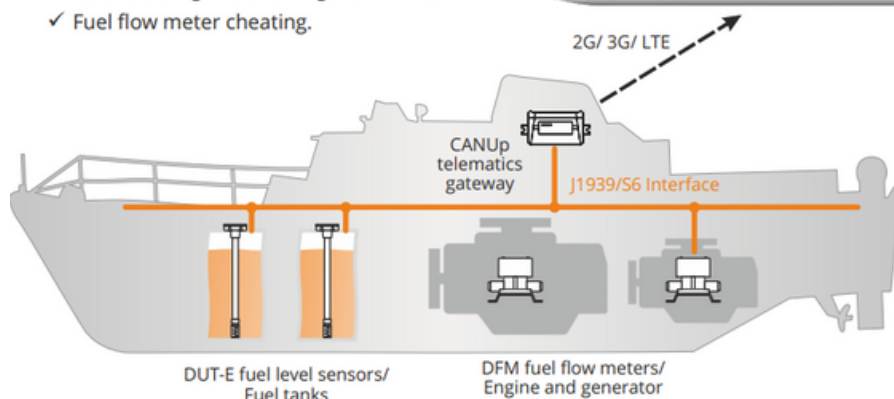
Operating parameters

- Hourly fuel consumption of engines, diesel generators.
- Operating time of each fuel consumer by modes.
- Fuel level and volume in tanks.
- Location, route, and traveled distance.

Events

- On/off status of engine and generator.
- Fuel refueling and draining from tanks.
- Fuel flow meter cheating.

- ✓ On/off status of engine and generator.
- ✓ Fuel refueling and draining from tanks.
- ✓ Fuel flow meter cheating.



Find out more about how Mercurysoft's Telematics solution can improve your vessel operation

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