

Big Data Monitoring System



World Marine Offshore

Customized monitoring system

Vessel monitoring system



Maximize the operational effectiveness, reduce the fuel consumption, provide information for further development.

WaveGuide radar



Advanced radar for measuring freeboard, wave height and wave period. Motion sensor is incorporated in the radar.

Reporting system



Daily reporting and record of all fleet activity. Information not just for operation and maintenance but also for the end customers.

Technical Monitoring

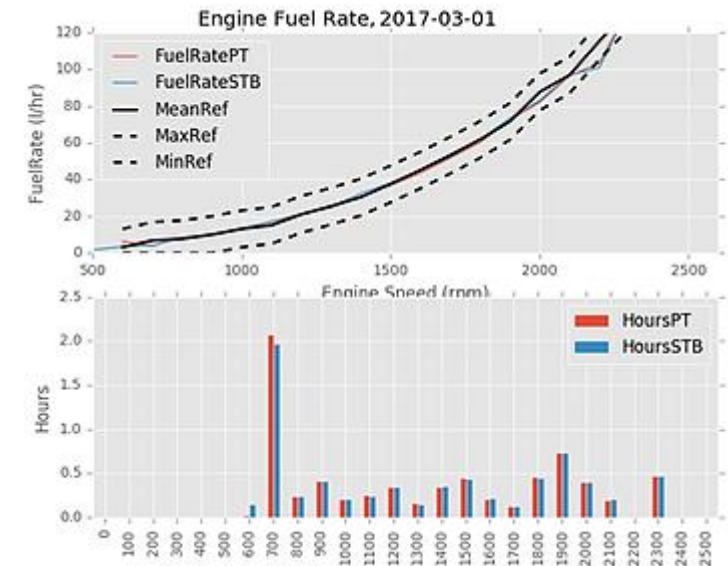
- Fuel pressure
- Oil temperature and pressure
- Coolant temperature and pressure
- Exhaust temperature
- Electrical system
- Alarm occurrence

✓ Proactive preventive maintenance

- Increase uptime and availability
- Extend life-time of components

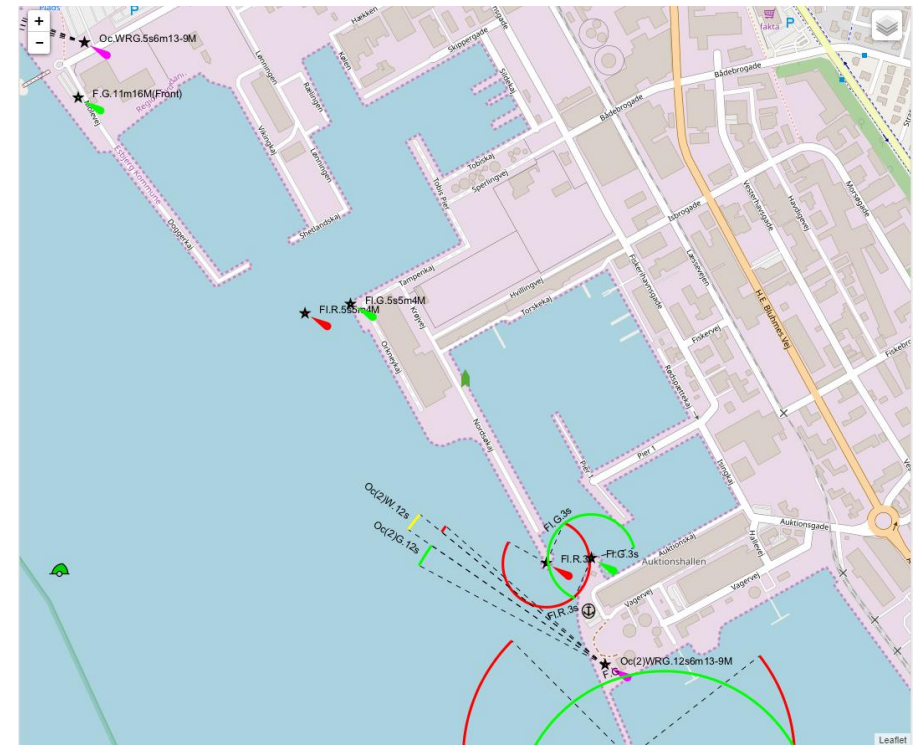
✓ Holistic data collection

- Improved data analysis
- Deeper insights

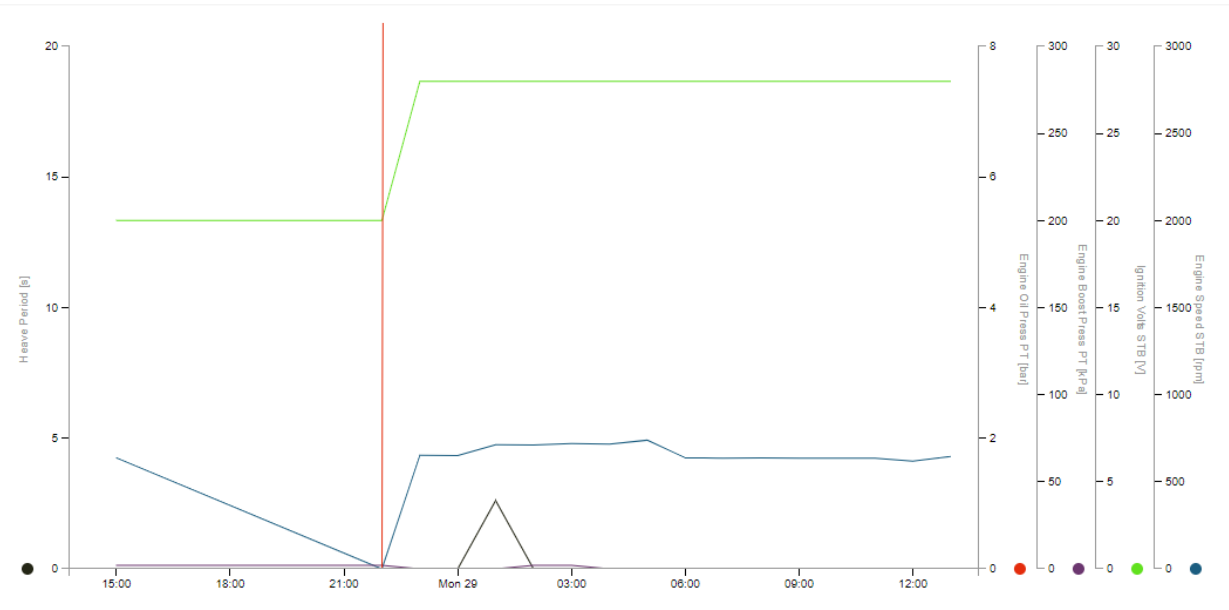


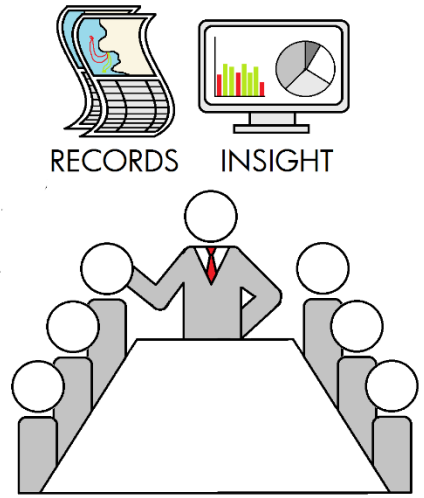
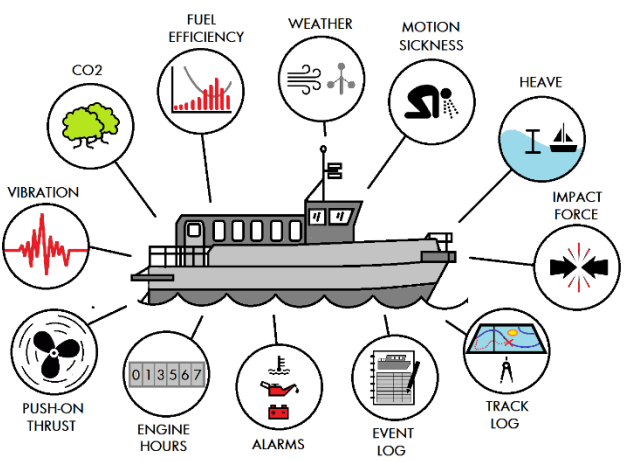
Operational Monitoring

- Vibration
- Wave height and period
- Vessel motion and positioning
- Speed and acceleration
- Fuel consumption
- Engine hours
- Heave



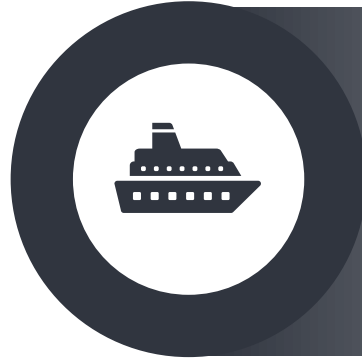
- ✓ Optimizing fuel consumption
- ✓ Integrated DPR forms
- ✓ Automated alarm reports
- ✓ Full analysis of vessel motion
- ✓ Detailed performance information





Benefits

Real-time big data collection and analysis



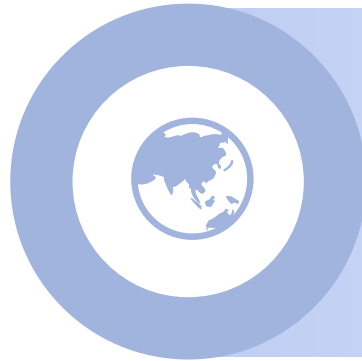
- Reliable performance statistics
- Improved technical insights

Optimized operational performance



- Higher uptime and availability
- Better on-board experience
- Efficient documenting and reporting

Increased sustainability



- Reduced fuel consumption and emissions
- Proactive preventive maintenance
- Safer vessel operation