



Data Capture & Analysis

seawise

With an established fleet deployment of over 6000 vessels utilising the **Netwave** brand Vessel Data Recorder (VDR) technology, supported by an extensive global marine service network, Orolia Maritime have extended its **Data Capture and Analysis** capabilities with the development of our new data analysis smart-ship tool **Seawise**.

The Seawise Gateway and Cloud SaaS platform tool leverages existing LWE and VDR electronics infrastructure and onboard sensor information network, allowing shoreside data access and analytics for greater vessel optimisation insight.



Vessel Optimisation

Seawise allows fleet managers to collect, securely share; utilising the vessels VSAT; and analyse vessel performance from any data measured onboard. Orolia's analytics software can then model intelligent insights reflecting performance optimisation against a range of factors such as, vessel design specifications, historical vessel data or even the influence of meteorological factors, to create benchmarks for vessels within your fleet.



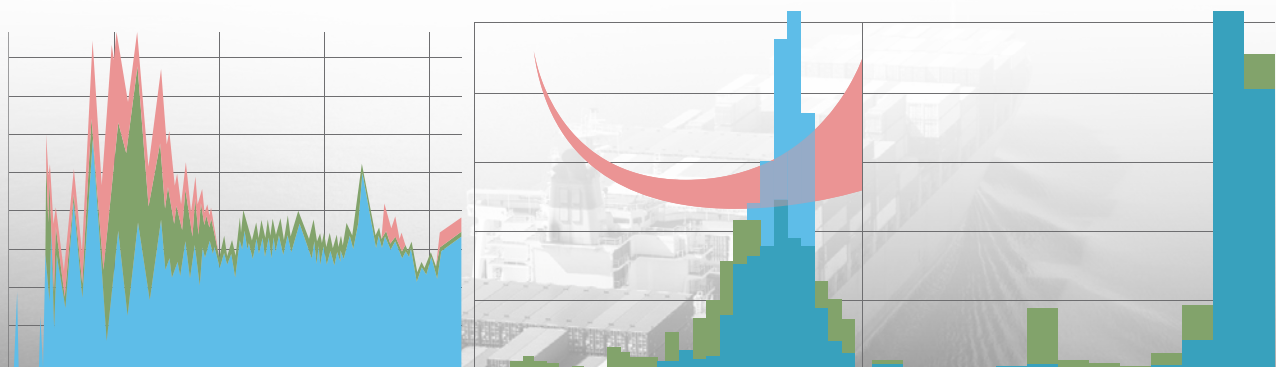
Fuel Efficiency Improvements



Performance Measurement and Improvement Solutions

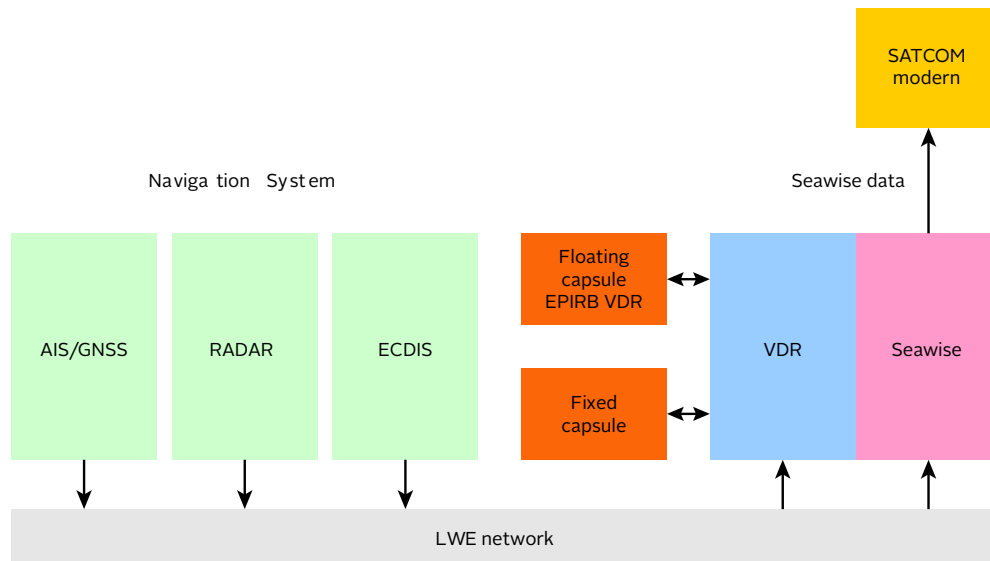


Predictive Maintenance Solutions



Minimal Hardware

The Seawise Gateway works with any VDR system and offers an additional interface expansion capabilities for RS232, RS422 and RS485. By utilising existing LWE and VDR infrastructure, including vessel data sources ranging from engine systems to CO2 emissions, **Seawise** minimises the disruption and cost associated with installation of additional hardware. DIN mountable, with optional **Power over Ethernet** or 24VDC and compatible with diverse range of onboard technology Seawise offers an economic, secure and accurate picture of the vessels operational data.



Onshore Viability

As the impact of digital disruption accelerates in the maritime industry, change drivers such as Ship Automation, Environmental Legislation and Cyber Security are driving the need for greater onshore visibility of vessel operations.

Seawise Smart-Ship concept utilises Application Program Interface (API) for a customised analytics offering the ability to

- Monitor Fuel Efficiency
- Track & Create Pollution Reports
- Plan Preventative Maintenance
- Collect & Security Transmit Operational Data
- Present Data Trends In Graphical Formats

About Orolia Maritime

Orolia Maritime is the marine arm of Orolia's leading Resilient Positioning, Navigation and Timing solutions. Offering trusted **Fleet Management, Data Capture & Analysis, Emergency Readiness & Response** and **Navigation Safety**, via the globally recognised maritime brands of **McMurdo, Netwave and Kannad**.