Product Brief

Performance

SERTICA is designed to help ship owners and managers optimize vessel performance, reduce fuel consumption, and improve environmental sustainability. Monitor vessel performance via real-time data on vessel speed, fuel consumption, and emissions to identify opportunities for improvement. With SERTICA, you can optimize maintenance efforts, increase awareness about equipment availability, and monitor the rate of equipment deterioration

Modules

- Advanced Analytics
- Trim Assistant
- Geofencing & Rules Editor
- Propulsion Assistant
- Reporting & Dashboards
- Data Collector
- Voyage

Benefits

- Optimized vessel performance
- Reduced fuel consumption
- Enhanced awareness about vessel operations and ability to correct inefficiencies
- Enhanced monitoring of assets performance
- Optimization of service and spare parts costs
- Compliance with international regulations
- Remote monitoring of physical assets

Learn More

SERTICA
BY RINA

Modules

Advanced Analytics

Enhance decision-making support through fleet data analysis and comparison of vessel performance. Analyze dry dock and hull degradation and monitor all essential key performance indicators (KPIs). Collect data manually or through the Data Collector and filter, analyze, and process ship performance by selecting different data sources and viewing scatter, trend, and histogram plots. Learn more.

Trim Assistant

Reduce fuel consumption and emissions by determining the optimal trim based on factors such as speed, draft, trim angle and water depth. Get operational advice on how to correctly set the trim for the different speed and loading conditions by our team of experts, who can carry out CFD simulations and assist you with detailed custom analyses. Learn more.

Geofencing & Rules Editor

Enhance safety and regulatory compliance with alerts based on specific conditions and geographical areas. Create and edit geofences by drawing them on the map and set parameters for each geofence, such as size, shape, and location. Define different types of rules or actions that should be triggered when a ship enters or exits the geofence. Learn more.

Propulsion Assistant

Monitor and optimize your vessel propulsion efficiency by considering hull, propeller, and engine conditions. This allows you to improve fuel efficiency, reduce emissions, and enhance overall performance. Use advanced analytics to identify areas of improvement and include a dedicated section to build a hydrodynamic model of the vessel with different techniques. Learn more.

Reporting & Dashboards

Visualize fleet performance in reports and dashboards by collecting data in real-time. Monitor ship equipment and instant anomaly notifications for prompt issue resolution. Improve your operations by comparing sister vessels, analyzing dry dock activities and hull degradation. Learn more.

Data Collector

Collect data from systems and sensors onboard the vessels the imporve performance. Gain a comprehensive view of recorded data, accessible from any PC on the ship's network. Learn more.

Modules

Voyage

The Voyage module offers advanced fuel consumption modeling to efficiently predict and manage fuel usage, even in varying conditions. With comprehensive data analysis, you can select the most fuel-efficient and cost-effective route for your journey. Learn more.

Digitalize your fleet

SERTICA is the ultimate all-in-one solution for ship management, providing digital tools for maintenance, procurement, HSQE, crewing, performance, vessel reporting and electronic logbooks.

Our software is developed in close co-operation with leading shipping companies worldwide and onboard more than 2000 ships. SERTICA allows ship operators to optimize performance, increase transparency and improve data management.

But SERTICA is more than just software. We offer solid technological platforms with a proven track record complimented with proper training, implementation, project management, support and integration to third party software.

SERTICA is developed by RINA Digital Solutions headquartered in Aalborg in Denmark and supported by more than 200 offices in the world.

We believe in collaboration and partnership, and we know that the right support makes all the difference in the world. That is why we make it our business to go beyond what is expected.

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