

VESSEL PERFORMANCE

The ABS Nautical Systems® (NS) Vessel Performance system module is an innovative and comprehensive solution for vessel and environmental performance that unlocks the full value of all available technical information.

THE NEXT GENERATION OF VESSEL PERFORMANCE

With fuel costs amounting to as much as 60 percent of overall operating costs (according to the World Shipping Council), NS Vessel Performance is a key tool for preserving operating margins, achieving environmental compliance and reducing operational costs. Key Performance Indicators (KPIs) prompt corrective actions and facilitate voyage optimization. Owners and operators can directly improve bottom line results and gain a competitive advantage

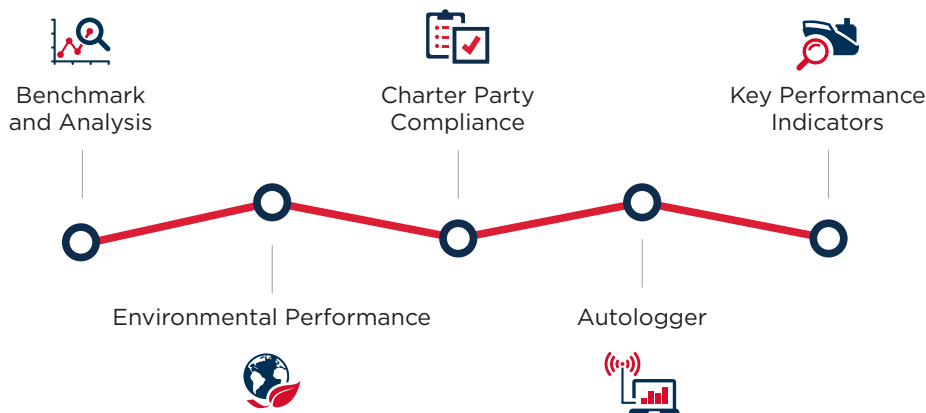
when seeking new charters or management contracts.

Moving beyond simple trending, NS Vessel Performance leverages a ship-specific propulsion model that serves as a baseline for impactful performance analysis, enabling smarter, technical and commercial decisions, as well as supporting compliance with charter party requirements. Moreover, automated data collection with NS Autologger goes beyond noon reporting to deliver real-time performance insights.

ABOUT ABS NAUTICAL SYSTEMS

Today, owners and operators in the marine and offshore industries are facing more challenges than ever – a changing workforce, a constantly evolving regulatory environment and an uncertain economic outlook. Achieving operational efficiency while maintaining compliance is critical to success.

At ABS Nautical Systems, maritime and offshore are our focus. Our software design, implementation approach, industry expertise and ongoing support reflect a deep history in the maritime sector. We offer a unique understanding of the challenges in the marine business supported by the depth and breadth of experience of ABS. ABS Nautical Systems offers powerful solutions for a complex world, with asset management and compliance software that solve real problems for real mariners.



NS VESSEL PERFORMANCE CAPABILITIES

Model Based

- The ship-specific propulsion model, based on vessel design characteristics, powers performance analytics using sea trial and design data to establish performance baselines, as well as improves decisions by more accurately reflecting actual vessel operations
- Comprehensive approach to vessel performance can reduce fuel oil consumption by up to 10 percent

Intuitive Functionality

- Intuitive dashboards designed for technical and operational managers offer real-time visibility and control to proactively address maintenance and performance challenges
- Web interface provides easy access to data for custom reporting and analysis on specific performance issues, or for fleet-wide benchmarking and comparison
- Enables crews to make critical operational decisions with visibility to real-time data on board








NS Software Integration

- Leveraging comprehensive voyage data from the NS Voyage Manager and NS Autologger system modules, NS Vessel Performance delivers a KPI-driven decision support module covering hull and propeller performance, main engine condition, auxiliary engine/systems performance, vessel and fleet benchmarking and planning and prediction of fuel efficiency improvement measures

Compliance

- Fuel consumption measurements and air emissions calculations are used to verify compliance with environmental regulations, facilitate reporting and contribute to an active SEEMP
- Demonstrate charter party performance and compliance to gain a competitive advantage
- Supports compliance with SEEMP, EEDI, EEOI, EU MRV and IMO-DCS

THE NS DIFFERENCE

	Role-Based Controls Role-based controls enforce process and approvals.
	Work Offline Offline capability allows work to be done anytime with automatic syncing to the office when connectivity is available.
	Ship and Shore Collaboration Replication to enable real-time visibility to every vessel, as well as the entire fleet.
	KPIs KPIs enable one-click quick access to critical tasks and management actions.
	Custom Forms and Questionnaires Flexible questionnaires and custom forms capture customized data sets for trending and analysis.
	NS Cloud An easy and cost-effective option for implementation, deployment and management of the Nautical Systems software.
	NS Autologger Improve accuracy with <ul style="list-style-type: none">• Real-time data capture directly from ship automation systems and sensors• Secure marine-grade appliances• Improved accuracy of logged data• Automated import of data to NS systems

POWERFUL | SIMPLE | RELIABLE



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