

nautiluslabs.co

NAUTILUS PLATFORM

Artificial Intelligence for Fleet Optimization

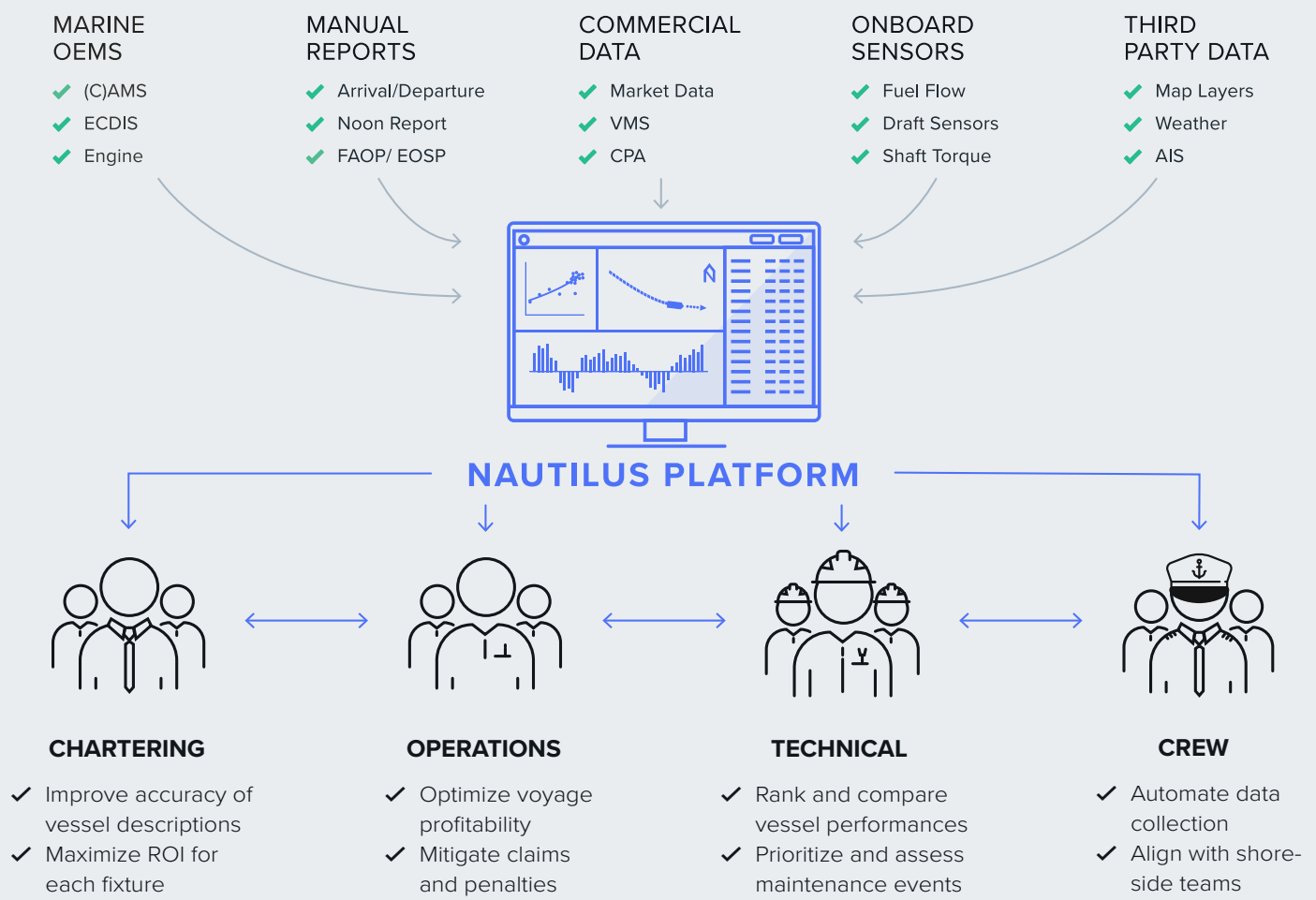


NAUTILUS LABS

Nautilus Platform transforms shipping operations by combining real-time visibility with predictive decision support to maximize your fleet ROI.

COLLABORATE AROUND UNIFIED FLEET INTELLIGENCE

One system of record for fleet optimization.



Unified Fleet Intelligence



✓ ASSESS FLEET PERFORMANCE AT A GLANCE

Reference Nautilus Platform's Fleet View dashboard to assess ship performance by examining real-time vessel KPIs alongside rolling 24-hour averages for all the important metrics. Contextualize performance by examining wind and current alongside vessel position on a map, and understand how predicted weather will impact your voyages.

Data source: ¹NOAA — ²SPiRE — ³any OEM or Third Party Provider

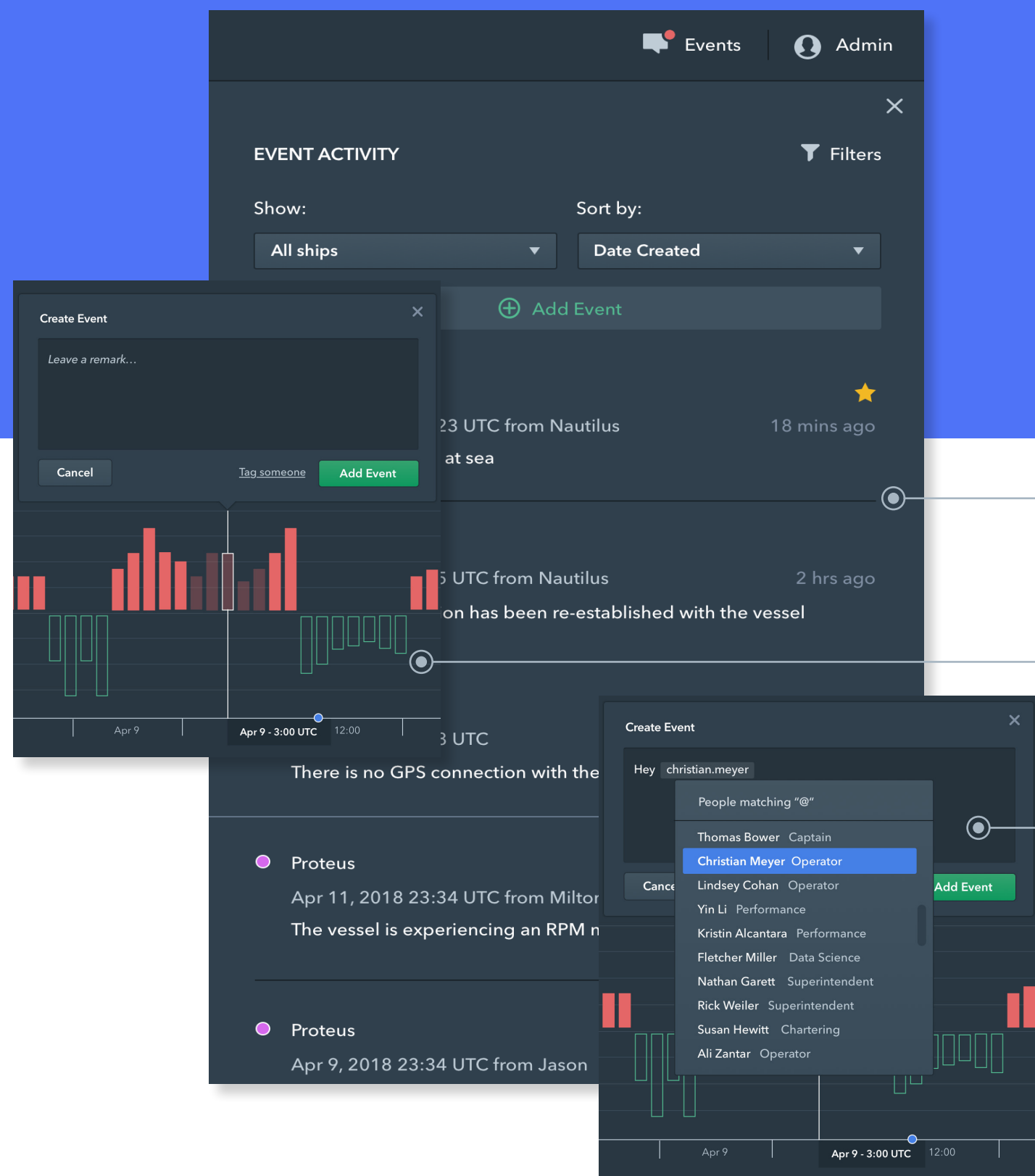
Nautilus provides the real-time insights you need to assess fleet performance and continuously improve voyage economics. We unify fleet data from any source on ship or shore and contextualize it with AIS, meteorological, and other third party data.

✓ CONTINUOUSLY MONITOR VOYAGE PERFORMANCE

Maintain real-time visibility into vessel adherence to charter-party terms and voyage instructions. Receive alerts at the moment of a deviation, such as overconsumption of fuel, speed adherence, or ETA delays in order to avoid incurring fines and penalties.



Smart Alerts and Events Tracking



Nautilus alerts you about the events that matter most and acts as a system of record for all your vessels and voyages. With access to a platform to facilitate collaboration, your globally distributed teams can work together to preempt and more quickly resolve issues.



✓ BETTER AWARENESS

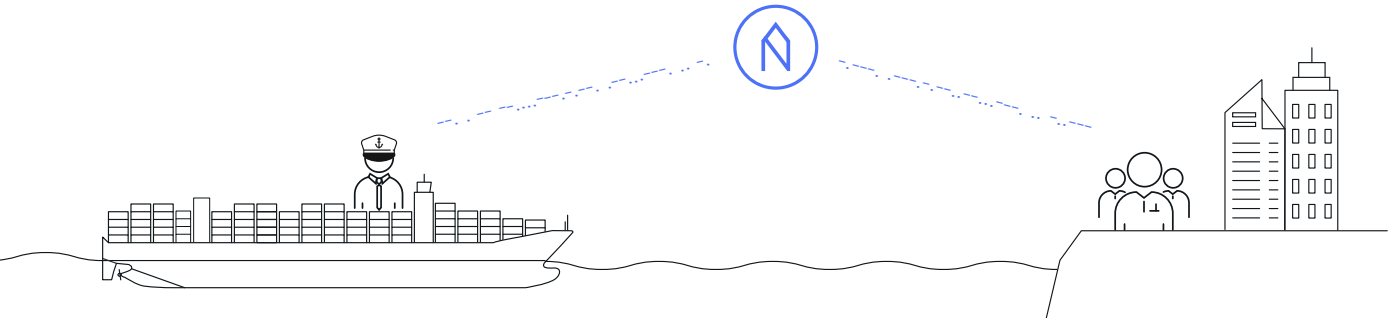
Maintain a log of important vessel events in order to more effectively disseminate information and improve company-wide visibility into voyage operations. Receive real-time alerts in-browser or via email for the events you care about.

✓ STRONGER COLLABORATION

Join forces cross-departmentally to address all issues with a vessel or voyage. Enter in any event into the platform to track important occurrences. For example, demark maintenance events — such as hull cleanings, propeller polishings, and bunkerings — and discuss directly in the platform.

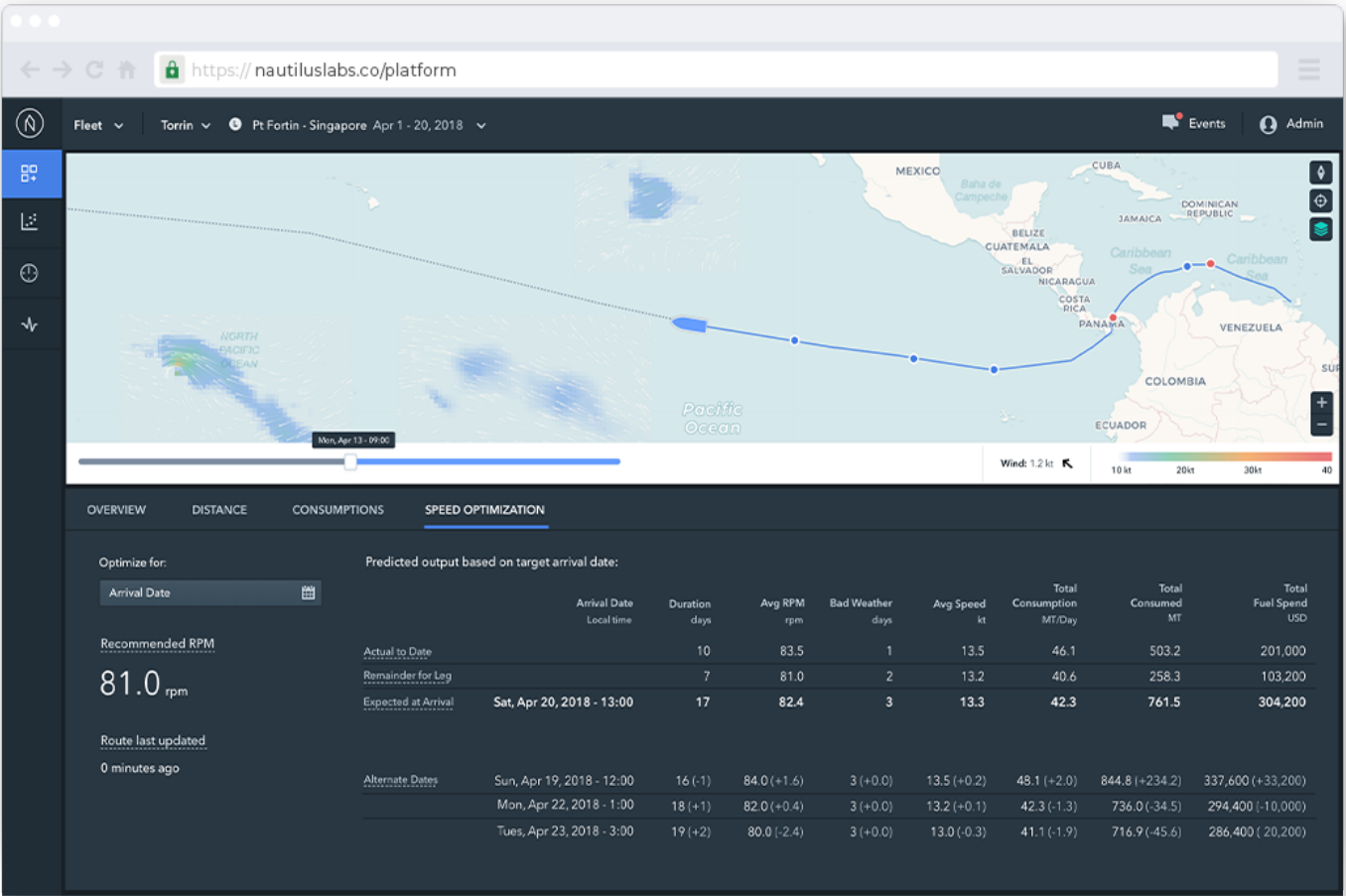
✓ IMPROVED ACCOUNTABILITY

Tag and alert specific users in order to escalate event occurrences to all relevant parties, both shoreside and onship, to improve accountability and impact decision-making. Establish clear KPIs for commercial and technical performance and track them across all your teams.



Predictive Analytics and Decision Support

Nautilus improves ROI by using machine learning to automatically generate accurate vessel performance profiles and rankings across a fleet. By providing intelligent vessel pricing and generating optimal voyage instructions, Nautilus optimizes your fuel consumption and maximizes profitability.



✓ UNDERSTAND AND ACT ON PERFORMANCE TRENDS



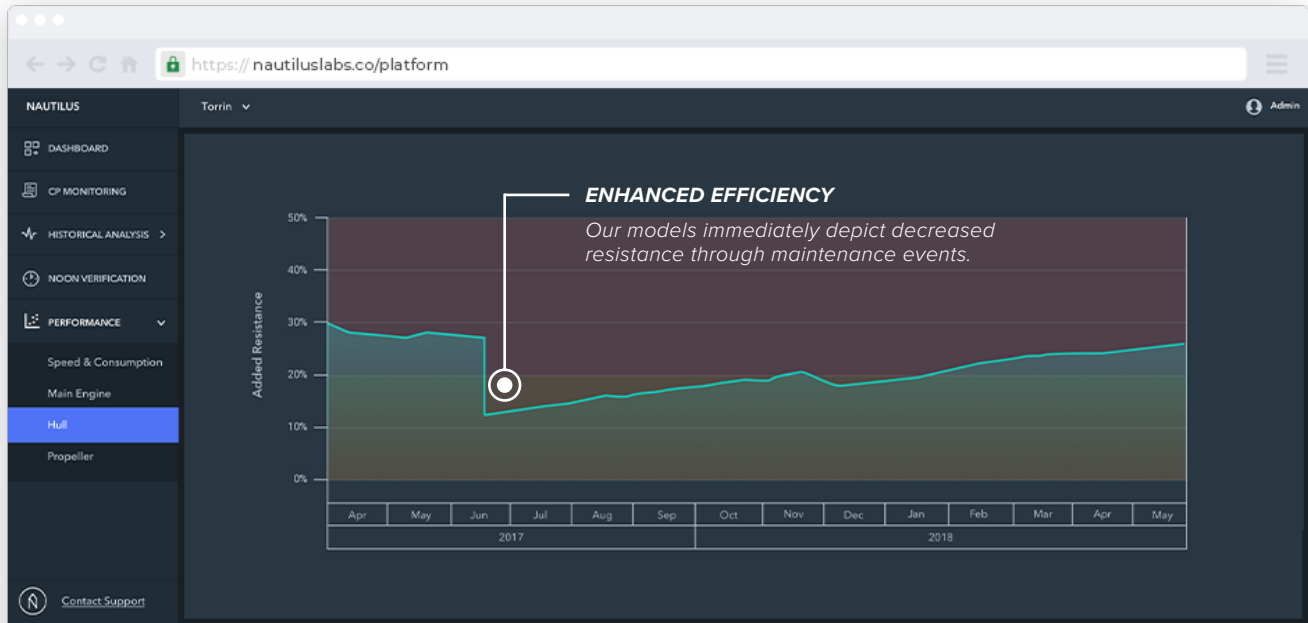
SPEED & CONSUMPTION — Strip out the effects of weather, sea state, and vessel conditions to normalize speed and consumption profiles, so your performance curves are always up to date.



GENERATE VESSEL RANKINGS AND KPIS — Leverage accurate real-time performance curves to accurately stack-rank vessels across a fleet and establish KPIs that drive accountability.



PREDICTIVE MAINTENANCE — Effectively plan for maintenance events such as hull cleanings or retrofits. Detect engine degradation over time as engine performance fluctuates and identify meaningful deviations attributed to hull or propeller conditions.



✓ OPTIMIZE VOYAGES



RPM OPTIMIZATION — Output an RPM instruction that optimizes a vessel's fuel consumption and ETA along any voyage leg.



TCE OPTIMIZATION — Pull in P&L data to determine the fleet actions that optimize voyage TCE, taking into account your budget and market conditions.



COMMERCIAL OPTIMIZATION — Maximize TCE rates and mitigate claim risk with an increased confidence in vessel descriptions to maximize your hire rates on voyage or time charter.

Nautilus Platform Infrastructure

✓ INTEGRATE ANY DATA SOURCE

Nautilus Labs' integrations team has experience integrating with a wide range of third party OEMs. Our custom API allows us to access otherwise siloed data and ingest it in a structured way from any system or reporting tool.

✓ ENJOY FULL DATA SECURITY

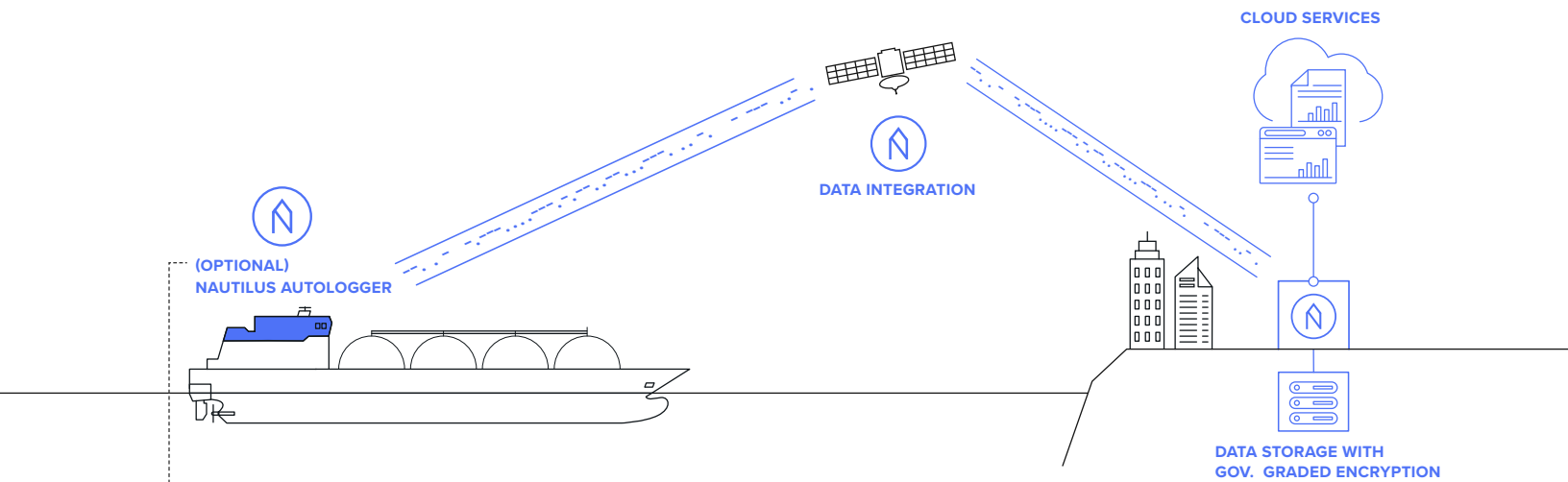
Shipboard sensor data is stored and encrypted using best-in-class security, within Amazon Web Services (AWS), a leading cloud storage provider. Data is processed within AWS, securely behind their industry-leading firewall, the same that protects financial and insurance data.



FEATURE COMPARISON TO OTHER MARITIME SOLUTIONS

Customer-Focused. Cloud-Based. Cost-Effective.

	NOON REPORTS	OEM ANALYTICS	NAUTILUS PLATFORM
ANALYTICS			
Advanced Analytics	✗	✓	✓
Predictive Analytics	✗	✓	✓
Fleet-wide Vessel Comparison	✗	✗	✓
Historical Data Import	✗	✗	✓
Modern User Interface	✗	✗	✓
INFRASTRUCTURE			
Cloud Infrastructure	✗	✗	✓
Free Software Updates	✗	✗	✓
Weekly Automatic Updates	✗	✗	✓
Secure Data Encryption	✗	✗	✓
Access Analytics Anywhere	✗	✗	✓
DATA			
24/7 Data Collection	✗	✓	✓
Automated Collection	✗	✓	✓
Verified by Sensor Data	✗	✓	✓
High Volume and Granularity	✗	✓	✓
Low Error Rate	✗	✓	✓
BUSINESS MODEL			
Unlimited Data Access	✗	✗	✓
All OEM and 3rd Party Integration	✗	✗	✓
Cost-Effective Scalability	✗	✗	✓
Customer-Centric Product Development	✗	✗	✓
Rapid Innovation	✗	✗	✓



✓ OPTIONAL: NAUTILUS AUTOLOGGER INTEGRATION



OPTIONAL ON-SHIP

The Nautilus Autologger, our small solid-state device, collects all raw data via LAN or serial connection, and then stores it locally with government-grade AES 128-bit key encryption.



TRANSFER

Compressed and encrypted data is transmitted back to shore over a secure internet channel using the SSL/TLS protocol, the industry standard for financial services and healthcare companies, via your existing satellite connection.



COMPLIANCE

The Nautilus Autologger is designed to have no impact on mission critical systems. It is no substitute for IMO MSC.333(90) mandated Voyage Data Recorders (VDRs). It currently has no IMO or national laws/requirements.

- ✓ Type Approved (DNV GL)
- ✓ NMEA 0183 Standards
- ✓ CE and UL Rated
- ✓ Government-Grade Encryption



NAUTILUS LABS

Nautilus builds artificial intelligence to advance the efficiency of ocean commerce. We deliver technology to help shipping companies minimize fuel consumption, maximize operational efficiency, and optimize fleet performance. By arming ship owners and operators with real-time predictive decision support, Nautilus is reducing greenhouse gas emissions and making global trade sustainable.

**TO EXPLORE HOW YOUR BUSINESS CAN BENEFIT
FROM NAUTILUS PLATFORM, PLEASE CONTACT OUR TEAM.**

Nautilus Labs Inc.
335 Madison Ave.
New York, NY 10017
United States

sales@nautiluslabs.co
[\(+1\) 646.897.3135](tel:+16468973135)

