



iNav4U

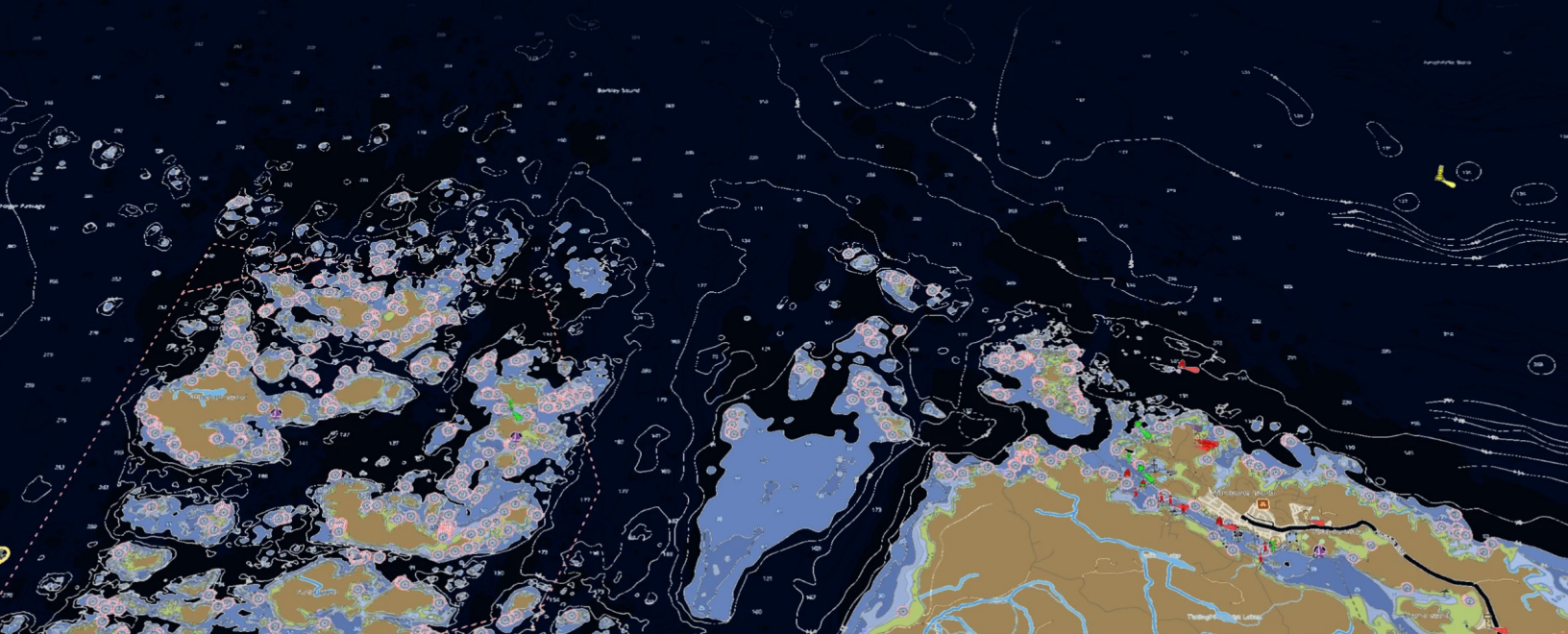
leading the way

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Zora

Version 3





Unlocking Intelligent Navigation & Seamless Vessel Management Through Rules-Based AI

Context aware

Zora is the first context-aware ship navigation system that combines professional human expertise, advanced technologies, and proven processes to manage various navigation tasks. The context is determined by the vessel's navigation state. You can customize the screen layout and content for different states such as anchoring, anchored, docking, docked, mooring, moored, and navigating. Zora is also capable of supporting multiscreen navigation stations.

Better situational awareness.

The marine industry is at a crucial juncture. While chart-plotters have traditionally served as the captain's digital compass, today's vessels require more: integration of multiple systems, such as cameras, power, liquids, maintenance management, and others, which leads to a flood of data. The human operator can be challenged in quickly gathering all available information into a manageable form for making accurate decisions on time. There is simply more information than any one person can handle.

More data does NOT mean more information.

Zora 3.0 directly addresses these challenges by managing the available data to achieve a higher level of understanding and better situational awareness.

All in one with open protocols

Built on an open-protocol architecture and powered by rules-based AI, Zora 3.0 is the next evolution of chart-plotters, eliminating the need for fragmented apps and outdated, proprietary systems. It combines navigation, monitoring, logging and yacht management into a single intelligent platform, delivering unmatched efficiency, safety, and control for vessels of all sizes.



The Problem with Traditional Chart-Plotters

Modern vessels are more complex than ever, but the tools used to manage them haven't kept pace. Chart-plotters were designed for navigation but not for operations and are more sensor interfaces than integrative systems. As a result, captains juggle multiple disconnected apps for:

- Navigation
- Maintenance tracking
- Finances
- System monitoring
- Navigation logging
- Tracks history
- Weather planning, routing
- Safety alerts
- Crew & document management
- Remote access to sensors

This causes confusion, redundancy, increased workload, slow responses, and higher risk, especially under pressure.

Introducing Zora 3.0

Master Every Situation - With Confidence

Zora 3.0 reimagines the chart-plotter as a comprehensive AI-driven vessel management system, the next-generation navigation and control system designed to support professional decision-making at sea. Inspired by the reliability and clarity of aviation systems, and built upon a collection of rules derived from proven navigation experience of seasoned captains, Zora provides skippers with the tools to handle any condition — with precision, awareness, and complete control. Zora combines all the features that traditional chart plotters lack.



More than just a chart plotter, Zora is your vessel's intelligent core:



- Delivering dynamic, context-aware navigation
- Prioritizing the information that matters most
- Enhancing your ability to react quickly and decisively

Built to evolve with your yacht, Zora features a modular hardware platform including an SSD and connects effortlessly to:

- NMEA2000 with up to three independently galvanically isolated buses
- Modbus or RS-485 up to 8 independent serial I/O
- Digital & Analog I/O
- Zigbee / Thread intelligent module for seamless home integration

No need to replace hardware with each update; our automated update solution ensures you stay always with the latest version.



Open Protocols = Complete Freedom and Expandability

Zora was built on open industrial standards, not vendor lock-in or proprietary protocols.

- Supports all major marine and Industrial communication protocols
- Easily integrates with new or legacy equipment
- Gives you ownership of your vessel's data

This safeguards your investment while providing captains and technicians with the flexibility they require.

iNav4U – Zora Operating System

Zora is the advanced, modular operating system at the heart of the iNav4U ecosystem.

Purpose-built for vessels, it combines powerful local control with seamless cloud connectivity, empowering skippers and owners to handle any situation—onboard or remotely. Unlike black-box AI models, Zora employs rules-based AI to apply consistent, explainable logic to onboard data.

This approach guarantees:

- Predictable outcomes
- Reliable safety triggers
- Customizable workflows
- Full captain control

Examples:

- Detects abnormal engine cooling rates before overheating occurs
- Triggers anchor drift alarms based on real-time conditions
- Flags upcoming maintenance based on actual system usage



Two Core Components: Local + Cloud

1. Local System – Built for Autonomy

Zora operates independently of the internet, providing full functionality offline. It connects to nearly all onboard systems and delivers intuitive, user-focused data via a fast local web server. It's designed to support professional decisions, even in challenging conditions.

2. Cloud System – Connected When You Need It

When a connection is available, Zora automatically syncs with your iNav4U Cloud Account, updating:

- Navigation and engine logbooks
- GPS tracks
- Maintenance tasks
- Financial records

Your data stays secure, encrypted, synced, and accessible—no matter where you are.

Remote Access – Secure & Role-Based

Zora grants the vessel owner complete authority over who can access specific parts of the system:

- **Owners** have full remote access to all vessel data anytime, anywhere—ensuring peace of mind and operational control.
- **Marine Installers** can view system data and logs for diagnostics, remote maintenance, and troubleshooting.
- **Bookkeepers** gain insight into financial reports and cost tracking.
- **Shipyards** can observe system performance and technical status during refit or new-build phases.



- **Insurance Providers** can verify proper maintenance, safety procedures, and responsible navigation to support claims and risk assessments.
- **Fleet Management:** Charter Companies, Fishing Fleets—with a position map and all the available data for each Vessel.

Cloud Services – Always Informed, Always Supported

Base Subscription:

- Software updates: Stay always up to date
- Tidal information
- Navigation and track logging
- Notifications via SMS and email
- Remote access portal
- Extended warranty

Weather Subscription:

- Weather data
- Weather forecast
- Weather routing

Systems Services:

- Maintenance logs
- System logs
- Scheduling system access for marine installers

Zora is more than a vessel operating system; it's your always-ready co-pilot, connecting the right people with the right data at the right time. Rules-Based AI: Trustworthy intelligence on board.



Use Case: From Chaos to Clarity

S/V Inspirity, a Lagoon 470 sailing across the Atlantic, down to Patagonia, crossing the Pacific, along the West Coast of Canada, Mexico, and more... once relied on four apps, a paper logbook, and multiple alarms to stay on top of operations. After implementing Zora, all critical information—engine status, weather, sail configuration, anchor drag, trip history, and maintenance—was stored in a single place.

The result:

- 30% reduction in fuel use through more intelligent routing and engine tracking
- 80% fewer critical alarms triggered at sea
- Complete documentation for insurance, resale, and regulatory compliance

Why It Matters

For Captains: Prioritize decision-making over data collection

For Crews: Simplify workflows to reduce mistakes

For Yards & Installers: Ensure integration is seamless and service-friendly

For OEMs & Builders: Provide a genuine digital backbone for modern yachts



The Future Is Now

Chart-plotters were once revolutionary; now it's time for a new revolution. Zora 3.0 offers captains and vessel operators what they've been seeking: a powerful, intelligent, all-in-one command centre.

Whether you're a weekend cruiser, a long-distance voyager, or managing a fleet of super-yachts, Zora 3.0 is crafted to help you navigate more intelligently, safely, and with full confidence.

Ready to Elevate Your Vessel?

Visit us at METSTRADE 2025, Stand [TBD]

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