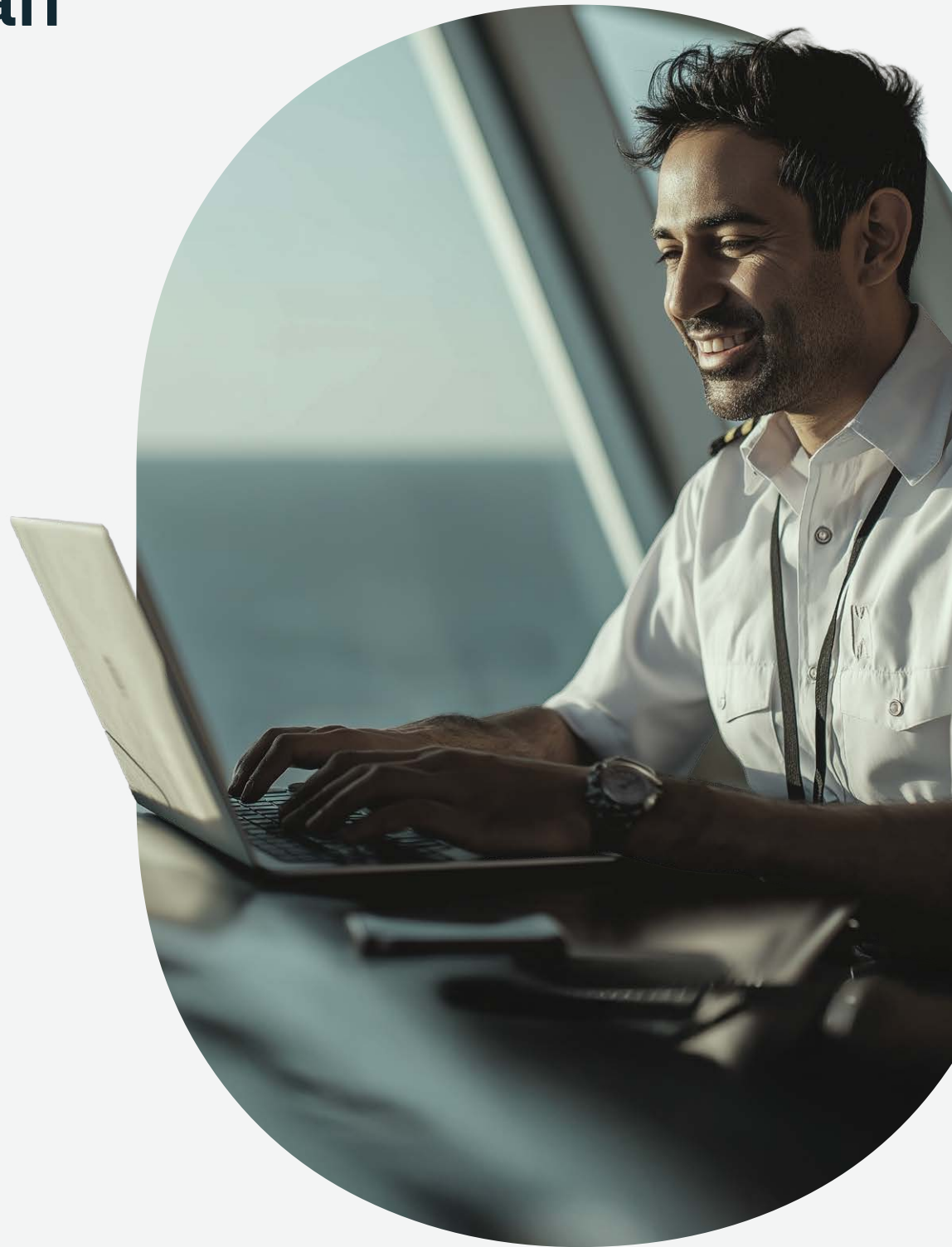


OneOcean



Voyage Planning & Management:

PassageManager



Seamless voyage planning
in one integrated workflow



Stop outdated planning from **slowing you down**

More stringent regulations are reshaping global maritime operations and ship management companies who fall short risk costly detentions, fines, or reputational damage. Yet many fleets still depend on outdated, manual voyage planning methods that are prone to error.

Passage planning is not optional. It is central to safe, compliant, and efficient navigation; a defective plan can render a vessel legally unseaworthy in the eyes of some courts. But traditional processes demand that crews pull information from multiple, disconnected sources such as navigational charts, weather forecasts, tidal data and regulatory updates, and then piece it together manually.

Experienced mariners know that voyages rarely go exactly as planned. Weather changes, hazards appear, and routing decisions need to be made quickly. Without timely updates, vessels face greater safety and compliance risks, along with the added cost of re-routing, delays, and higher fuel use.

On top of all this, ship managers and operators must ensure every passage plan meets safety and commercial obligations, and aligns with company policies while adapting to changing conditions. All without slowing the pace of operations.

It's time for a smarter approach to planning.



Introducing PassageManager



PassageManager brings every part of the voyage planning process together into one integrated workflow. From route optimisation and weather forecasting to port data, piracy reports, and navigational warnings, all essential datasets are connected and easy to access in a single view.

Developed and supported by a team of experienced ex-mariners, PassageManager is built on a deep understanding of marine operations. It enables crews to create efficient compliant passage plans, while giving shoreside teams live visibility of those plans when used alongside our shoreside solution, FleetManager.

Achieving effective passage planning requires accurate data preparation, seamless sharing, and a clear understanding of procedures, routes and regulations. PassageManager delivers all of this in one place, helping teams to make confident decisions, adapt quickly to change, and maintain compliance without slowing operations.

Whether optimising fuel performance, avoiding unsafe weather, or ensuring smooth port arrivals, PassageManager equips crews with the clarity and control needed for every stage of the voyage.

7 modules, 1 solution

From planning to arrival, every module plays its part in one integrated solution.

1 Voyage Planner

Automatically plan the most efficient route between destinations, including both port and anchorage points, by consolidating all the necessary data and information into one view.

2 Route Optimisation

Enables crew to identify the most time, fuel or cost-efficient route for your vessel's journey, utilising comprehensive datasets to remove complexity.

3 Weather

Optimise route performance and avoid unsafe conditions with detailed forecasts for specific coordinates, ports and routes in real-time, up to nine days in advance.

4 Charts and Publications

Gain the flexibility to enhance your outfit management, with a simple way to view and access charts, permits and publications. Pay-as-You-Sail supports compliance by enabling the purchase of charts and permits during transit through relevant areas.

6 NavArea Warnings

View navigational and safety-related guidance and updates on all 21 operational NavAreas. A visual interface shows you the precise boundaries where warnings are in effect with click-through access to more details.

5 Ports

Access data on thousands of port facilities around the world through a single interface. Ensure seamless port arrivals and departures, by giving crew the detail they need to prevent delays, deficiencies or detentions.

7 Piracy

Get updates and historical data on incidents through the clear visual interface. Helping to keep your vessel, crew and cargo safe on voyage.

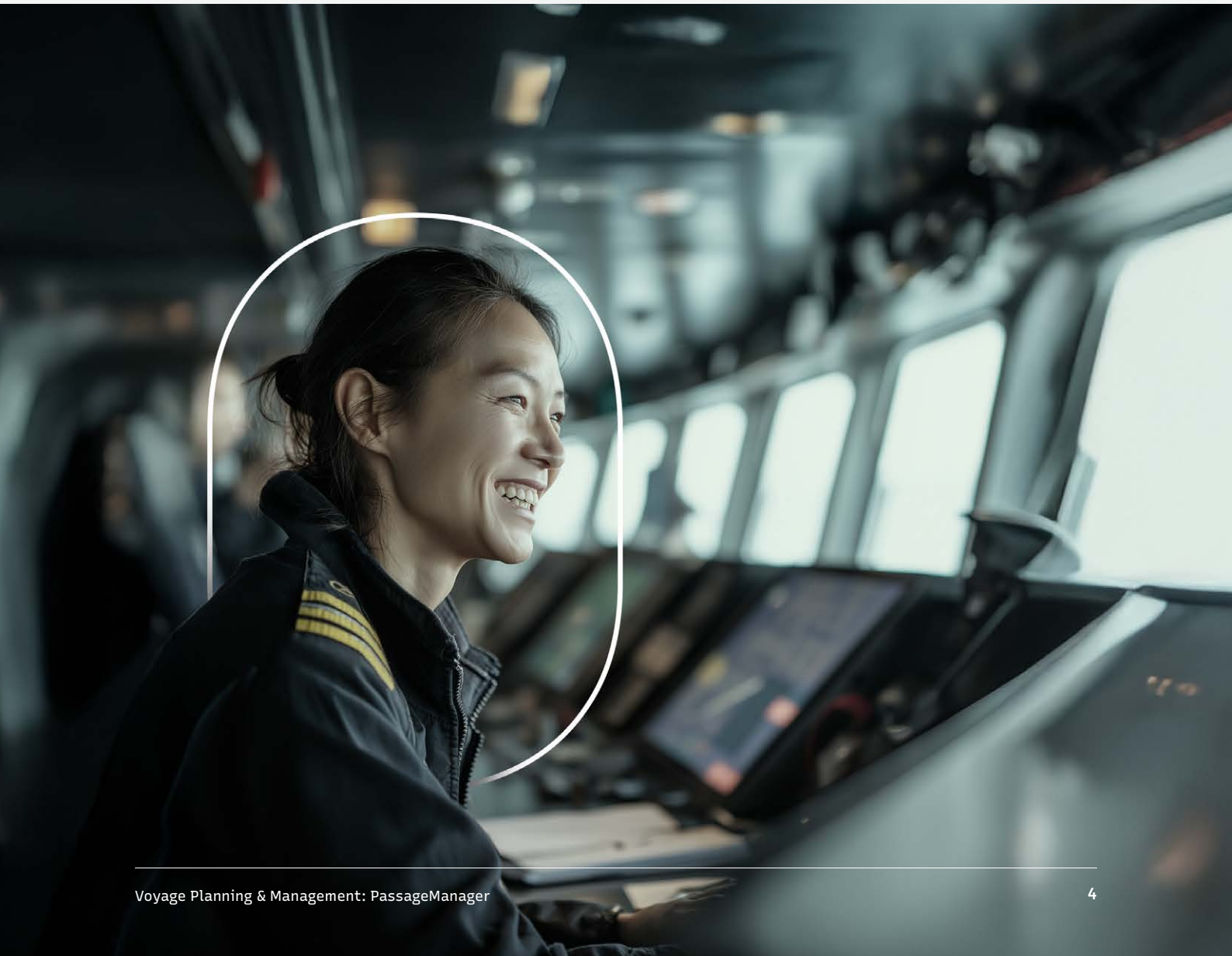
1 Voyage Planner

Appraisal to approval, all in one place

The Voyage Planner module in PassageManager brings together all the data needed to create a safe, compliant, and efficient voyage plan. Navigational, port, tidal, and weather data are combined in one place, with automated calculations that produce customised plans in minutes.

Built to meet bridge procedure guides, navigational requirements, and STCW Convention standards, the module adapts to the specific needs of each vessel and fleet.

Once planning is complete, the module generates a fully detailed plan that can be viewed within the solution or exported as a professionally formatted PDF. Every plan is time-stamped, fully traceable, and includes revision numbering, digital signatures, and mandatory sign-offs, giving ship managers and operators a clear audit trail.



1 Voyage Planner

Planning made simple

Benefits

Simplifies planning and compliance centralising all voyage and compliance data in one consolidated view.

Saves time by automating data population and reducing dependency on manual processes.

Maintains safety, efficiency and performance by tailoring plans to vessel particulars, with automated real-time assessments and adjustments to optimise routing.

Minimises human error and reduces grounding risk with accurate, automated calculations and advanced UKC management that factors in vessel conditions, squat effects, and proximity to the seabed, while staying within regulations.

Ensures full traceability with time-stamped records, revision numbers, and digital sign-offs for easier audits and compliance checks.

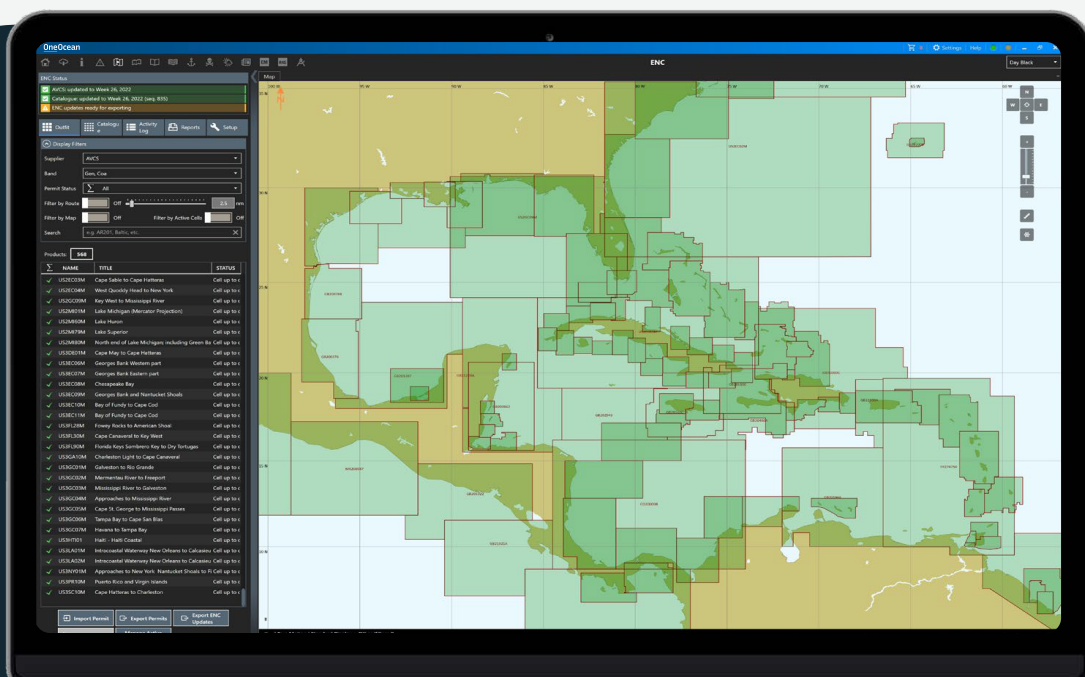
Highlights

Under keel clearance (UKC) management
Create static, dynamic, or combined UKC policies. Configurable squat integration dynamically updates the draft to comply with IMO regulations, with automated clearance calculations. Shoreside teams can configure and standardise these settings fleet-wide.

Integration with UKHO TotalTide
Automatically populate tidal heights for faster, more accurate planning.

Configurable waypoints table
Maintain safety and consistency across fleets by integrating navigation, UKC, and safety data. Shoreside teams can standardise waypoint settings fleet-wide.

Comprehensive charts and publications table
Access Electronic Navigational Charts (ENC), Admiralty Information Overlay (AIO) notices, Admiralty Digital Publications (ADP) areas, and Navigational Area (NavArea) Warnings in one place, ensuring bridge teams have the information needed for every voyage.

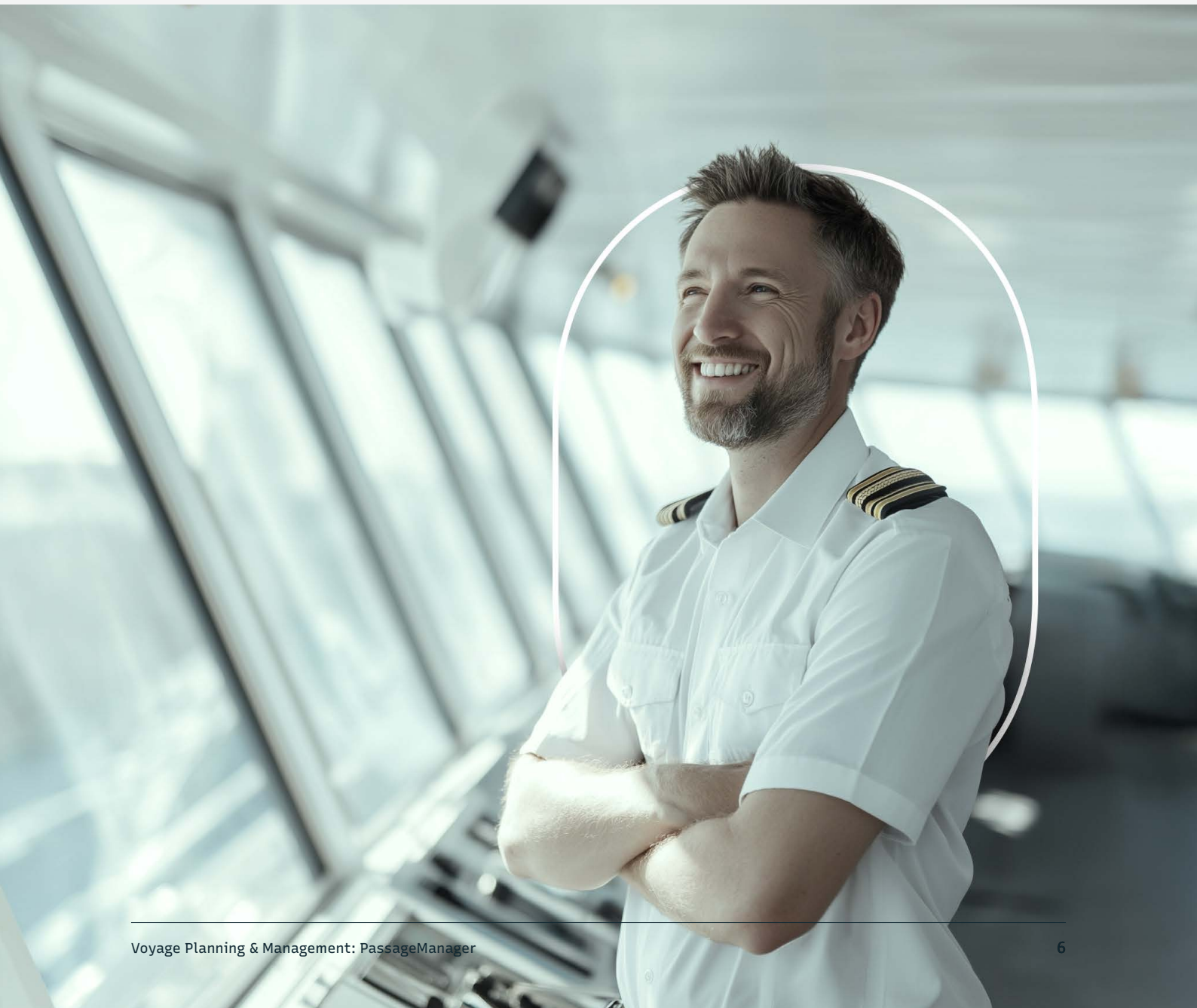


2 Route Optimisation

Smarter routes, sharper performance

Finding the most efficient route is about more than safety and compliance. It also affects fuel use, costs, and overall voyage performance. The Route Optimisation module brings all relevant data together in one view to help crews choose the safest and most efficient course.

By automating and streamlining outdated manual processes, it enables faster and more accurate planning whilst using real-time data to optimise routing. Crews can compare visual route options to assess trade-offs, such as time, cost, and fuel use, and adjust plans mid-voyage in response to changing conditions. This approach simplifies operational workflows, reducing manual input and keeping every plan up to date with the latest information.



2 Route Optimisation

An intelligent approach to planning

Using key voyage details, the module identifies the route that best meets your priorities. It considers navigational hazards, weather conditions, environmental areas, regional regulations, and more, so that every plan is based on a complete and current picture.

Benefits

Saves time and reduces error in the passage planning process by automating complex calculations and streamlining workflows.

Delivers cost and fuel savings, helping to support more sustainable operations.

Improves decision-making by making voyage data easier to access and compare.

Avoids delays and navigational hazards, improving safety and adherence to schedules.

Frees up crew time for higher-value tasks, enhancing overall operational efficiency.

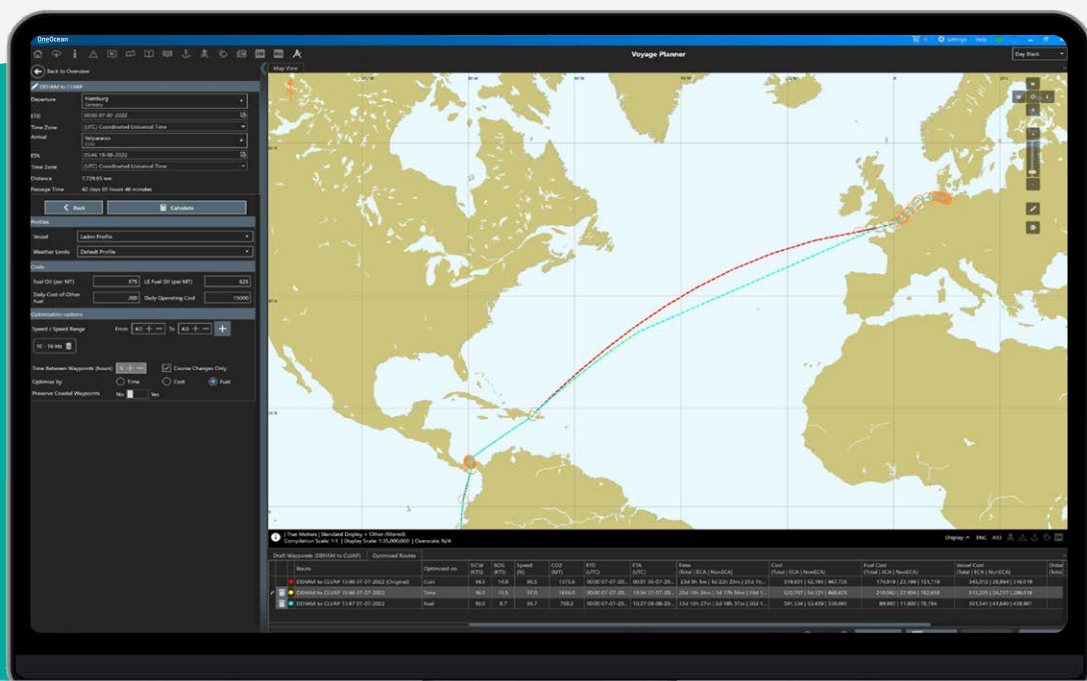
Highlights

Access and assess all relevant voyage information.

Identify risks and evaluate critical areas.

Compare and evaluate routes using current data and vessel parameters.

Plan with full visibility of navigation, weather, regulations, and more.



3 Weather

Don't let the weather slow you down

Weather is one of the most important factors in determining the safety, cost, schedule, and overall success of a maritime voyage. Accurate, timely data helps mariners prepare passage plans that address potential risks, set realistic schedules, and choose the safest, most efficient routes.

Manually gathering and assessing weather information can be time-consuming and leaves more room for error. The Weather module in PassageManager streamlines this process by bringing all relevant data into one place. It enables crews to plan routes that account for changing conditions and to adjust those routes as forecasts evolve.

The module factors in key weather variables, including:

- Wind speed and direction
- Wave and swell height
- Risk of precipitation
- Visibility and atmospheric pressure

By combining this data with the wider passage plan, crew can maintain safety, efficiency, and compliance while making the most of each voyage.



3 Weather

Navigate weather with total confidence

The Weather module helps crew plan safer, more efficient voyages by showing how conditions will develop along the route. It allows you to avoid unsafe areas, schedule within safe parameters, and keep track of changes throughout the journey. This supports informed operational and navigational decisions at every stage.

Accurate weather information is also key to reducing fuel use and cutting emissions. Sailing through severe conditions burns more fuel and increases costs. By selecting routes with more favourable forecasts, you can improve fuel efficiency and lower your carbon footprint while working towards greenhouse gas (GHG) and carbon intensity indicator (CII) targets.

Benefits

Better estimation enables proactive avoidance of adverse conditions, supporting smoother and more efficient voyages.

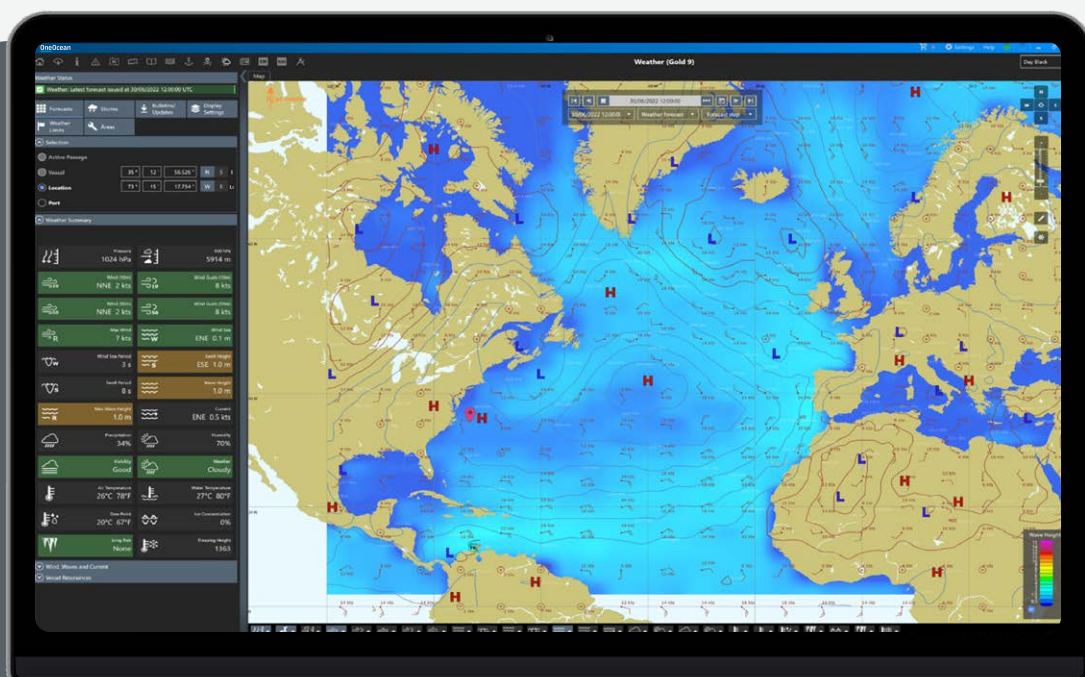
Improves cost planning and operational predictability by factoring weather into routing decisions.

Safety-first approach helps protect crew, cargo, and the vessel by enabling timely route adjustments in response to changing conditions.

Highlights

Weather simulator shows how forecast conditions will affect vessel performance, safety, fuel use, and arrival times.

Set safety thresholds for weather factors such as wind strength or wave height. Can be configured on board by crew or at installation for a consistent approach across fleets.



4 Charts and Publications

Power a compliant route of passage

Having the right permits at the right time is essential for safe, compliant travel. The Charts & Publications module offers flexible access to permits and publications, including the option to Pay-as-You-Sail (PAYS) through a region or purchase multiple charts in advance. This provides complete control over outfit management while ensuring navigational information, permits, and publications remain consistently up to date.

The module consolidates all chart and publication management into one streamlined system, removing the need to manage multiple

sources separately. Outfit management is synchronised across ship and shore, so crews and shoreside teams work from the same information at all times.

It includes Admiralty Digital Publications (ADP), Admiralty Vector Chart Service (AVCS), Admiralty Information Overlay (AIO), and Notices to Mariners (NTMs). Colour-coded permits show validity and time remaining, with automated alerts to flag compliance risks. Permits can be bought for three to 12 months, in three-month increments.

Benefits

Enables cost-efficiency and adaptability when voyage routes change, ensuring resources are used effectively.

Reduces regulatory risk and supports continuous compliance.

Saves time and effort for crew, allowing more focus on proactive planning.

Minimises administrative complexity and supports well-informed planning decisions.

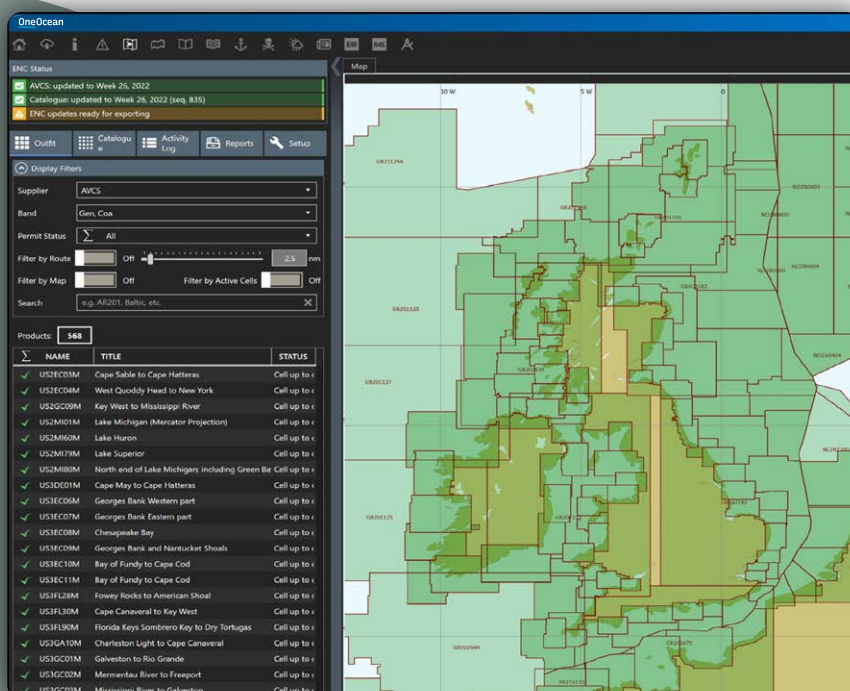
Highlights

Gather and analyse all chart and publication data in one place.

View and manage ENC charts, paper charts, and NTMs.

Colour-coded permits to show validity and remaining term.

Automated alerts to highlight compliance risks.



5 NavArea Warnings

Stay alert, mitigate risk

The NavArea Warnings module keeps voyage plans safe and compliant by providing continuous updates on obstructive events at sea, such as military firing exercises and hazards. All warnings from the 21 operational NavAreas are centralised into a single, continuously updated system, with visual charts that clearly mark precise boundaries.

Users can click through for full details and apply no-go zones around hazards. These zones are implemented automatically and factored into alternative route calculations, helping to avoid risks without adding extra workload. A search function provides access to historical data and warnings along or near planned routes, supporting informed decision-making for every voyage.

Benefits

Enhances navigational safety and operational readiness by improving hazard awareness.

Reduces manual workload and removes uncertainty in hazard avoidance, supporting accurate route planning.

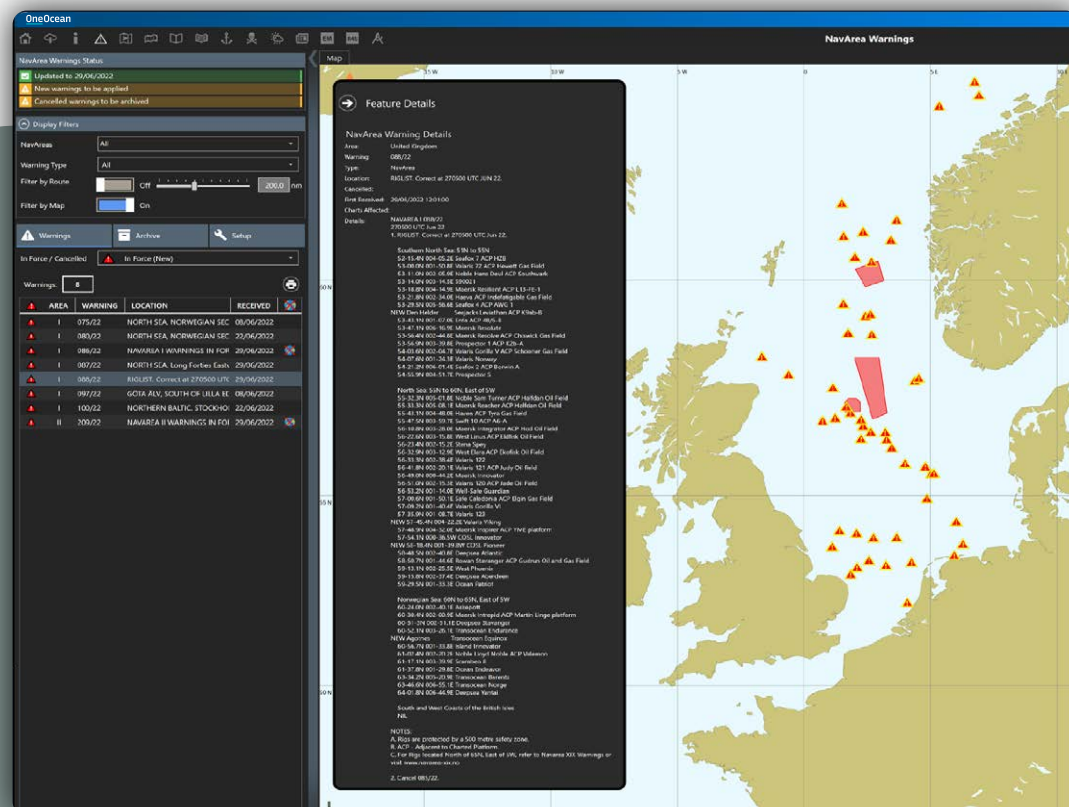
Keeps decision-makers aligned on board and shoreside ensuring informed decision-making.

Highlights

Event updates for obstructions at sea.

Navigational and safety alerts for all 21 NavAreas.

No-go zones automatically applied to route planning.



6 Ports

Docking, **without the hassle**

Smooth port arrivals and departures depend on being fully prepared with the right authorisations and certifications. Without them, vessels risk delays, detentions, and added costs.

Built to meet bridge procedure guides, the Ports module in PassageManager gives crews access to detailed data on thousands of port facilities worldwide, all in one view. It helps plan every port call with the information needed to meet requirements, prevent deficiencies, and keep schedules on track.

Whether calling at a familiar harbour or a new destination, the module provides a complete summary of local procedures, facilities, and restrictions. Crews can minimise unnecessary manoeuvring, avoid bottlenecks, and ensure the seamless transfer of cargo.



6 Ports

Simpler arrivals, smoother operations

Set preferred ports and terminals to get regular updates on cargo acceptance, available equipment, and other operational details. Ports data is maintained by a dedicated team of ex-mariners to ensure accuracy and currency.

Access and download all required port documents and ensure logbooks and certificates are ready for inspection. Get everything you need to know about pre-arrival requirements, port limits, documentation, pilot areas, and environmental data.

Benefits

Speeds up arrivals, reducing delays and penalties.

Supports contingency planning for safe harbour access.

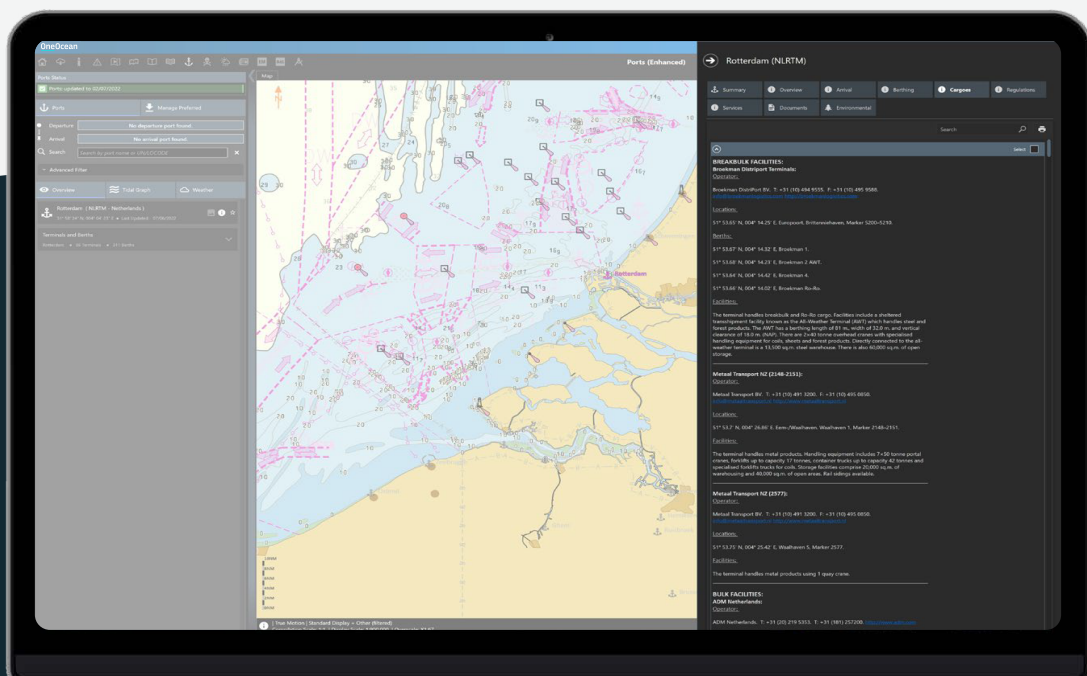
Determines safest entry, minimising manoeuvring.

Highlights

Extensive database with accurate port information worldwide.

Contact details for port managers, agents, and service providers.

Downloadable port documents for Port State Control inspections.



7 Piracy

Sail safer

The Piracy module helps protect crew, cargo, and vessels by providing a clear view of reported piracy incidents on board and shoreside. Incidents are displayed on an easy-to-read map interface, giving teams accurate, up-to-date data for assessing piracy risks and planning safe routes.

High-risk alerts and escalations are triggered as threats emerge, helping crews stay aware of

changes. Incidents are collated and categorised so crews can quickly identify relevant threats, with click-through access to detailed information for informed voyage planning.

No-go zones can be added during the planning stage to avoid high-risk areas. These are automatically applied to routes, ensuring the safety of crew, vessel, and cargo is built into every voyage.

Benefits

Enhances situational awareness for both ship and shore teams.

Supports rapid threat recognition and enables timely, appropriate responses.

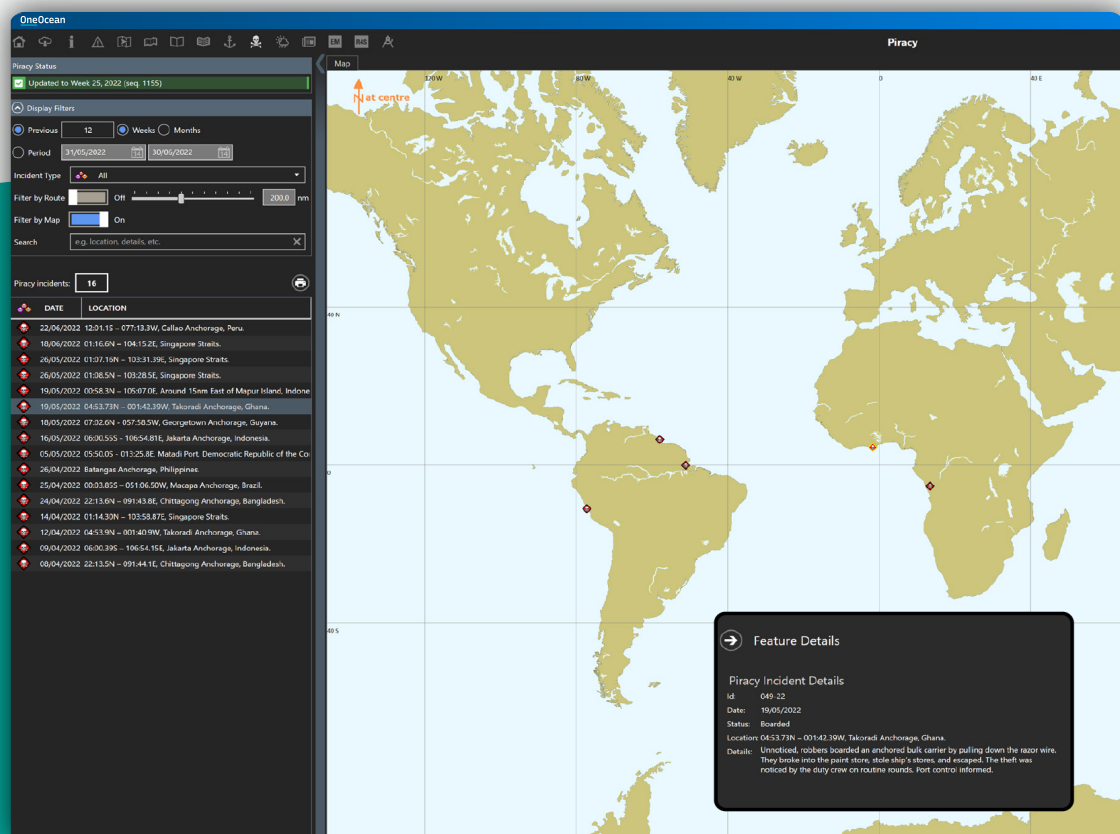
Improves risk assessment with a safety-first approach, empowering safer route choices, more strategic planning, and stronger decision-making in high-pressure situations.

Highlights

Collates and categorises piracy incidents.

Up-to-date information for ship and shore.

Flags status changes for high alert.





Smarter planning, **confident** compliance

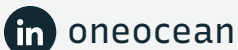
PassageManager gives you a single, connected workflow for safe, efficient, and compliant voyages. Every module works together to remove complexity, keep information current, and give both ship and shore teams the clarity they need to act with confidence.

From the first waypoint to the final port arrival, you have complete visibility and control. So your teams can focus on making the best decisions for safety, efficiency, and performance.

Find out more about **PassageManager**



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