



NAPA Voyage Optimization

Weather routing for reducing fuel & emissions and enhancing safety



User-friendly solution for energy-efficient ship operations. Optimize route and speed profiles for any sea passage.

OPTIMIZE WITH ACCURACY

Highly accurate speed and consumption estimates based on over 30 years of experience in hydrodynamics.

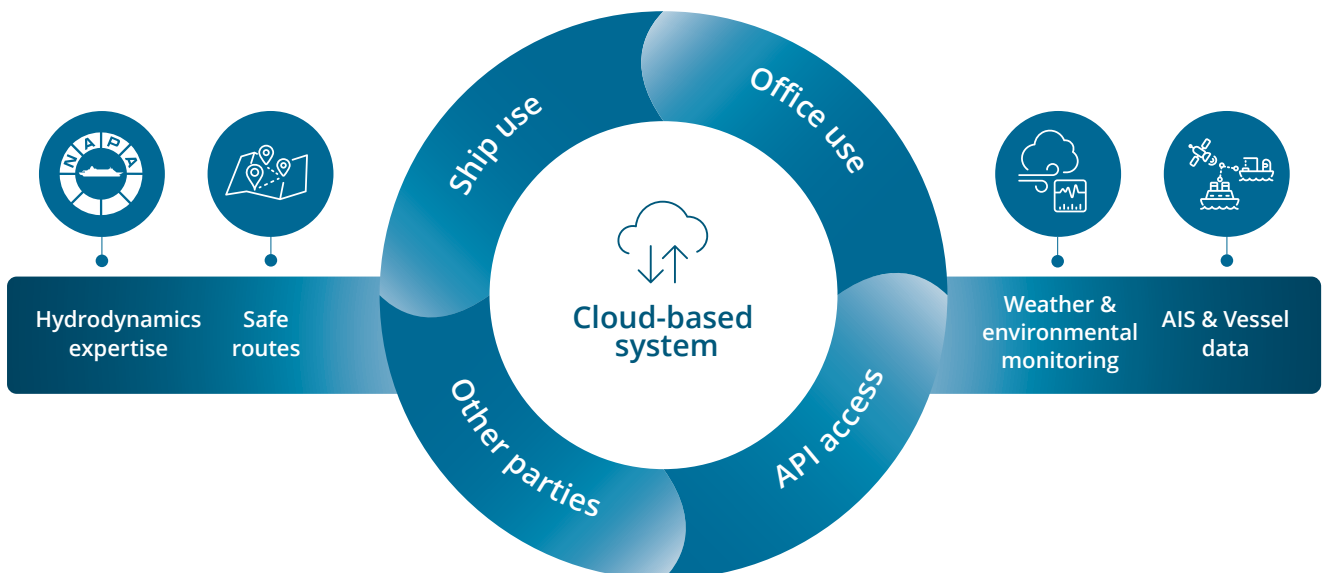
SEAMLESS INTEGRATION, IMMEDIATE RESULTS

Cloud-based solution with no hardware installations or initial investment. Available on a web browser and desktop application.

MAXIMIZE EFFICIENCY, SAFETY, AND SUSTAINABILITY

Avoid severe weather, cut down on emissions, and enhance your CII score while ensuring precise ETA.

NAPA Voyage Optimization is used both onboard and onshore to facilitate communication between voyage stakeholders.



KEY FEATURES

Weather routing with cost and income optimization

Compare route alternatives: Short, weather-routed, past sailed voyages, and own custom routes

NAPA Performance Model also considering wind-assisted propulsion

Safe navigable routes considering costs and limitations from emissions (ECA) or traffic control areas

ECDIS import & export API for 3rd party integration



Wind, waves, swell, sea currents, water depth, tropical storms, climatology data and additional safety limits are taken into account

Integrating with vessel data (noon reports or automation signals) the model adapts dynamically to the current performance level

BENEFITS



ENHANCED SAFETY MEASURES

Prioritize crew and cargo safety by avoiding adverse weather conditions.



ACCURATE ARRIVALS

Offer precise arrival times, improving operational reliability.



DECARBONIZATION AT ITS CORE

Actively reduce your environmental footprint, aligning with global sustainability goals and regulations.



COST SAVINGS, ELEVATED EARNINGS

Optimize fuel usage and voyage scheduling to reach financial benefits.

PARTNERS

