



# NAPA Voyage Optimization

Weather routing for fuel and emissions  
savings and improved 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.

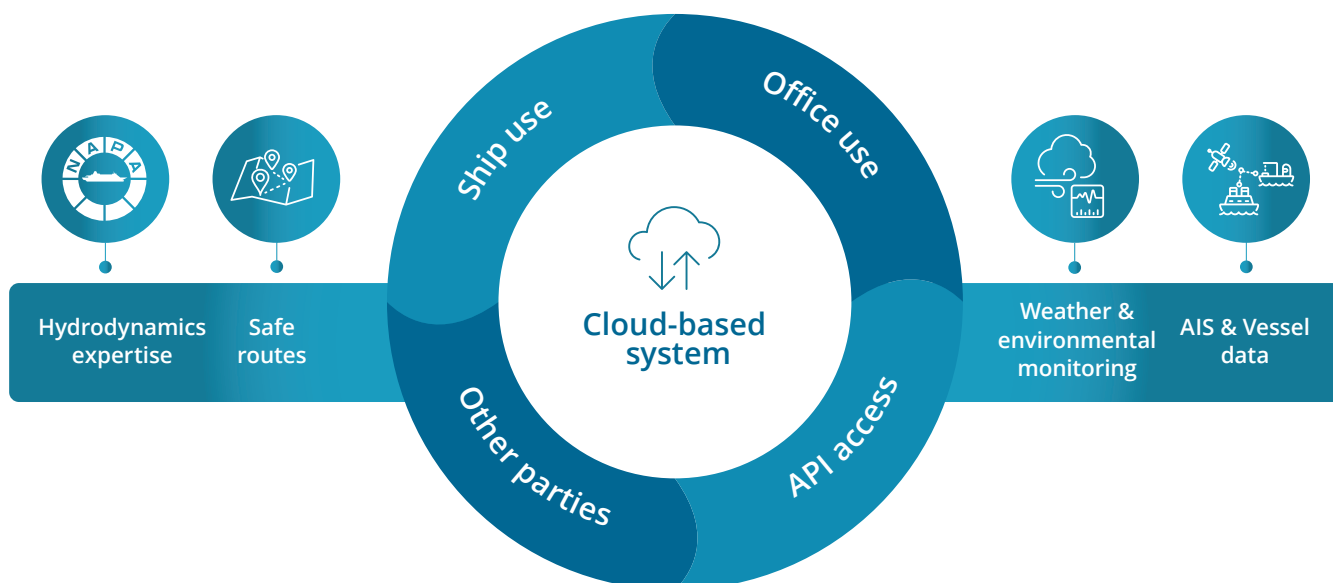
## Immediate access

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

## Save time and money, enhance safety

Avoid heavy weather, save fuel and emissions, improve CII rating, and optimize schedules.

*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 for .....  
accurate speed and fuel consumption estimates, also considering wind-assisted propulsion

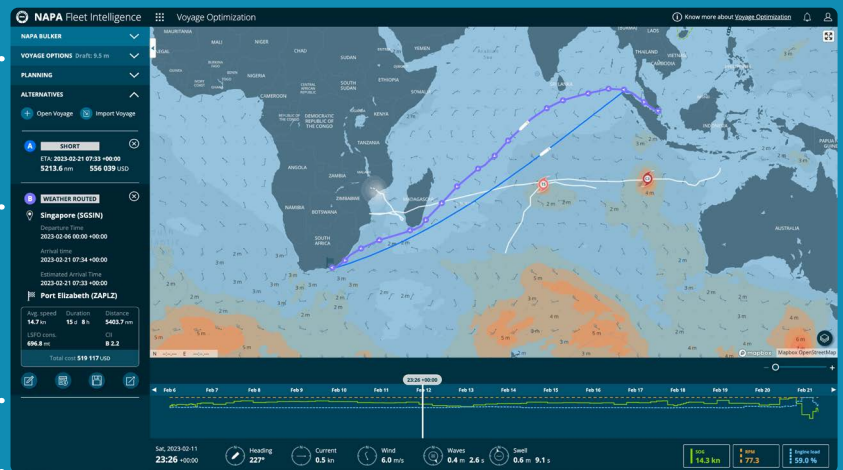
Safe, navigable routes considering ..... costs and limitations from emissions (ECA) or traffic control areas

API for 3rd party integration

ECDIS import & export

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



**Safety**  
*Avoid heavy weather for safety of crew and cargo*



**Visibility**  
*Accurate estimate of arrival time*



**Decarbonization**  
*Reduce emissions and improve the CII rating*



**Reduced costs & increased earnings**  
*Save in fuel costs, optimize schedules*



**Collaboration**  
*Compare voyage alternatives together with voyage stakeholders*

## PARTNERS

