

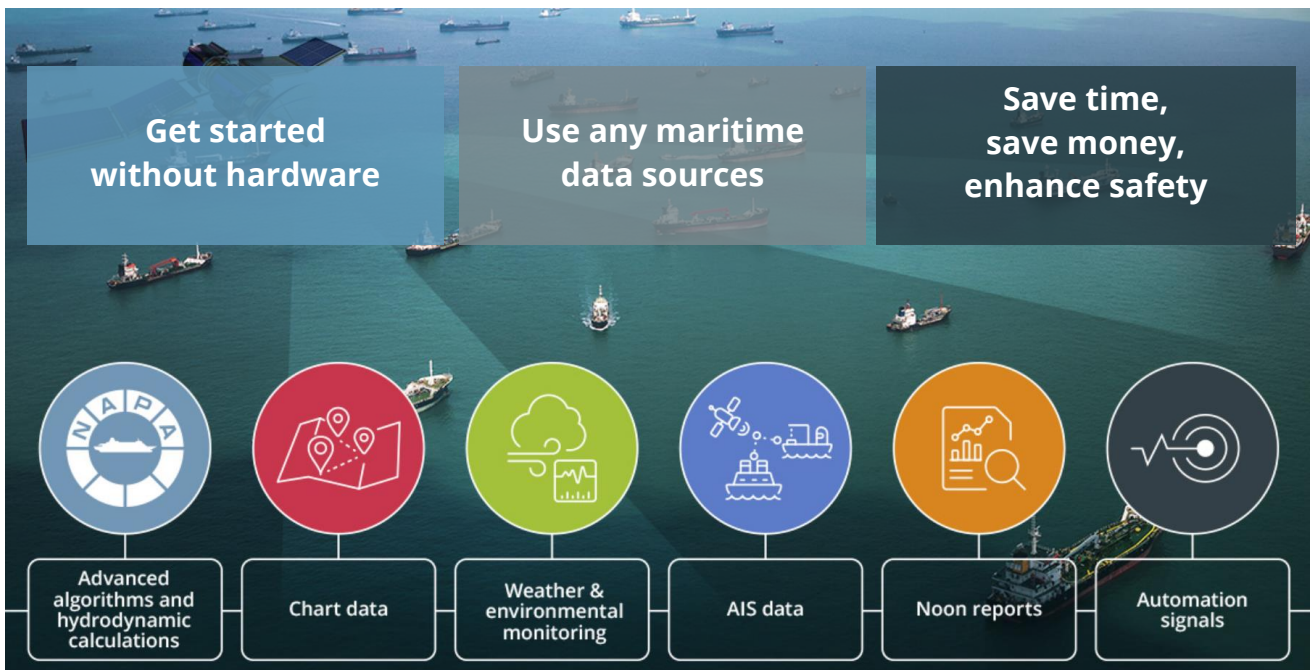


NAPA Fleet Intelligence

Monitoring, reporting, analysis and optimization powered by NAPA

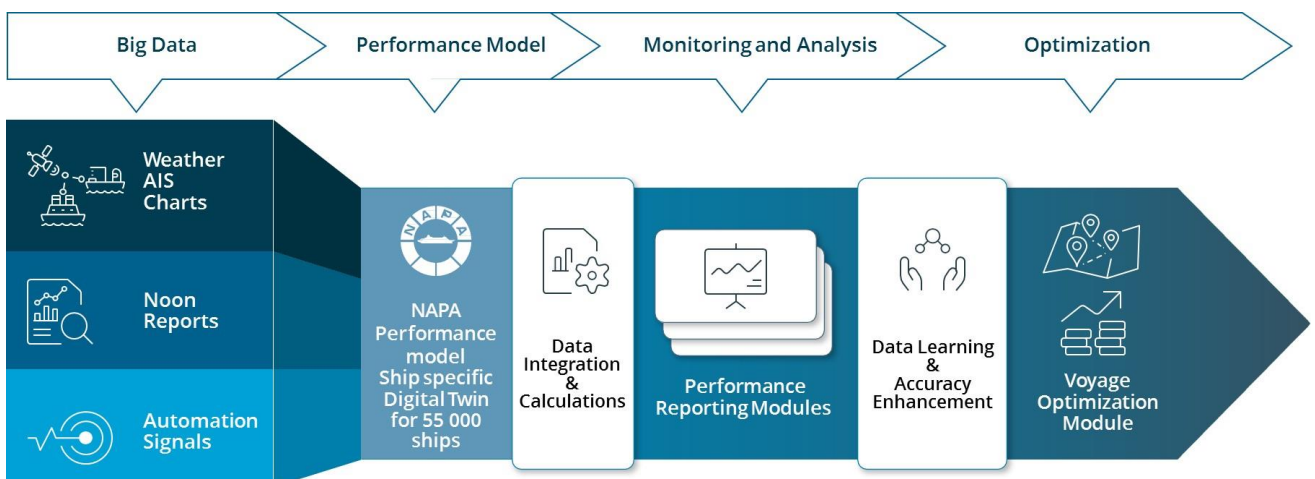
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NAPA Fleet Intelligence is an **integrated, easy-to-use web-based service** for improving ship efficiency and safety. NAPA Fleet Intelligence brings together **voyage monitoring, reporting, analysis and optimization**. It offers insights and advice for improving technical and operational ship performance by utilizing both **open data**, as well as actual **performance data** collected from vessels. In addition, NAPA Fleet Intelligence enables optimization of forthcoming voyages with high-accuracy ship performance **models**.



HOW IT WORKS – Various Data Sources, Monitoring & Analysis and Optimization

NAPA Fleet Intelligence offers highly reliable vessel performance monitoring and analytics services, based on various data sources, regardless of onboard data collection system. It also automatically enables cloud-based voyage planning and optimization on the same platform.





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SERVICES AND MODULES

Different services and modules can be selected based on available ship data sources and your needs.

NAPA Fleet Intelligence AIS	NAPA Fleet Intelligence Noon	NAPA Fleet Intelligence Signal
<p>Applicable</p> <ul style="list-style-type: none"> For all conventional ships (55,000 ships) No manually reported data from ship available No automated data collection system onboard <p>Analysis and reports</p> <ul style="list-style-type: none"> Performance reporting from AIS data based on ship's specific NAPA Model Reliable fuel consumption estimates and sea margin analysis for any voyage in the world Optimize route and speed profile <hr/> <ul style="list-style-type: none"> ✓ Fleet View ✓ Voyage Reporting ✓ Voyage Optimization 	<p>Applicable</p> <ul style="list-style-type: none"> For chartered ships Manually collected data (noon report) No automated data collection system onboard <p>Analysis and reports</p> <ul style="list-style-type: none"> Integrate proprietary Noon / voyage reports Evaluate technical performance changes Estimate fuel consumption of forthcoming voyages <hr/> <ul style="list-style-type: none"> ✓ Fleet View ✓ Voyage Reporting ✓ Voyage Optimization ✓ Technical Performance ✓ Data Exploration ✓ Charter Party 	<p>Applicable</p> <ul style="list-style-type: none"> For owned ships Fully automated data collection system onboard with high-frequency ship data <p>Analysis and reports</p> <ul style="list-style-type: none"> Integrate signal data from onboard measurements Get fast and accurate indication of performance issues, or evaluate impact of maintenance Estimate fuel consumption accuracy of forthcoming voyages with 99% accuracy <hr/> <ul style="list-style-type: none"> ✓ Fleet View ✓ Voyage Reporting ✓ Voyage Optimization ✓ Technical Performance ✓ Data Exploration ✓ Charter Party ✓ Regulatory Reporting ✓ Logbook Reporting ✓ Stability Reporting

BENEFITS

Visibility	Insight	Control	Feedback
<p>Understand ship operation & performance from all-in-one platform</p> <ul style="list-style-type: none"> ✓ Comprehensive reports ✓ Easy to use web-based platform ✓ Flexibility of customization ✓ Security (ISO-27001) ✓ Data access management 	<p>Get better knowledge about how your ships are performing</p> <ul style="list-style-type: none"> ✓ Accurate and solid analysis of ship and fleet performance ✓ Apple-to-apple performance comparison enabled by self-learning performance prediction model ✓ Support ISO 19030 method 	<p>Be in control over voyages & ship and fleet management</p> <ul style="list-style-type: none"> ✓ Fuel savings enabled by the most accurate Voyage Optimization ✓ Supports decision-making on ship maintenance and application of energy saving devices ✓ Save Time, Save Money, Enhance Safety 	<p>Feedback to Design</p> <ul style="list-style-type: none"> ✓ Real operational profile data enables realistic design points for newbuildings ✓ Data driven performance analysis of hull, propulsion system and machinery

PARTNERING WITH

