

Smart Shipping Analytics Platforms

ANMD-MRS22-213 · Marine AI Solutions

A Global Sustainability Due Diligence & Market Research Study

History 2020–2024 · Base Year 2025 · Forecast 2025–2032 · Outlooks 2035 / 2040 / 2050 · Currency US\$

WHY THIS REPORT

Smart shipping analytics platforms turn vessel, voyage and emissions data into actionable fleet intelligence, converting raw IoT, AIS and weather feeds into performance, optimisation and compliance insight. Purpose-built software — fleet-performance monitoring, voyage optimisation and emissions / CII analytics — is engineered so that owners, charterers and managers cut fuel, hit decarbonisation targets and demonstrate compliance. The pay-off is measurable: lower fuel spend, improved CII ratings, optimised voyages and audit-ready ESG reporting. This decision-grade study sizes the global market three ways — value, platform seats/licences and vessels covered — across segmentation, seven regions and four scenarios to 2032, with outlooks to 2050.

SUSTAINABILITY & SDG IMPACT — THE ANMD LENS

The sustainability case is the report's backbone. Beyond efficiency, smart shipping analytics delivers measurable fuel and CO₂ reductions, improved CII ratings, and audit-ready emissions disclosure, while voyage optimisation strengthens the decarbonisation story. The analysis applies double materiality, maps outcomes to GRI, SASB, ISSB, TCFD, TNFD, CSRD and the EU Taxonomy, and Data integrity, cyber-security, vendor lock-in and green-claim substantiation are treated as material risks — with greenwashing and SDG-washing screens applied throughout.

Mapped Sustainable Development Goals:

SDG 13 Climate Action	SDG 9 Industry & Infrastructure	SDG 14 Life Below Water
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Measurable sustainability outcomes assessed:

- Fleet-wide fuel and emissions reduction
- Decarbonisation-ready voyage and compliance analytics
- Higher operational efficiency and asset utilisation
- Data quality and standardisation as material risks

Framework alignment: Double materiality mapped to GRI, SASB, ISSB, TCFD, TNFD, CSRD and the EU Taxonomy, with greenwashing and SDG-washing screens applied throughout.

WHAT'S INSIDE AT A GLANCE

53 Chapters	9 Report Parts	7 Regions Covered	40+ Country Markets
2025–32 Forecast Horizon	4 Forward Scenarios	25+ Companies Profiled	3 SDGs Mapped

REPORT COVERAGE

Geographic scope: North America, Europe, Asia Pacific, Latin America, Africa, Middle East and Rest of World — with named country intelligence. Europe (Nordics) leads maritime-analytics software; Asia Pacific drives fleet adoption; North America scales commercial uptake; other regions on their own merits.

MARKET OVERVIEW

From siloed logs to fleet-wide, decarbonisation-ready shipping analytics.

Smart shipping analytics is moving from voluntary monitoring to compliance-driven adoption. Demand is driven by the convergence of IMO decarbonisation rules, fuel-cost pressure and charterer ESG expectations, supported by maturing CII / EEXI regulation across Europe, Asia Pacific and North America. The market is read three ways — value, platform seats/licences and vessels covered — and forecast under four scenarios (conservative, base, accelerated and disruption), each region reported separately.

- **Europe leads early commercialisation** — anchored by Norway, Denmark, Finland and the United Kingdom, where class-society analytics, decarbonisation software and CII tooling are most advanced.
- **Asia Pacific is the scale engine** — with China, Japan, South Korea, Singapore and Australia combining the world's largest fleets with strong fuel-efficiency and compliance drivers.
- **North America is accelerating** — supported by emissions-reporting demand, charterer ESG pressure and a growing maritime-software base.
- **Focus and data source segment the value** — across fleet-performance, voyage-optimisation and emissions / CII platforms, and across IoT, AIS / satellite and weather / ocean data sources, each with distinct economics.

REGIONAL OUTLOOK

Across seven reporting regions, the report separates commercialisation and supply leaders from high-growth and emerging markets — each profiled in full rather than aggregated into Rest of World.

Region	Stage	Lead Markets & Drivers
Europe	Commercial leader	Norway, UK, Finland, Netherlands — class guidance, autonomy trials, smart-port & decarbonisation drivers
Asia Pacific	Scale engine	China, Japan, South Korea, Singapore, Australia — shipbuilding base, port efficiency, fleet scale
North America	Accelerating	United States, Canada — coast-guard & defence programmes, port modernisation, maritime-AI ventures
Latin America	Emerging	Brazil, Chile — ports, fisheries and offshore-energy adoption
Africa	Frontier	South Africa, Kenya, Morocco — port development, fisheries protection, blended finance
Middle East	Frontier	Saudi Arabia, UAE, Israel — port investment, maritime security, sovereign capital

KEY MARKET DRIVERS & RESTRAINTS

Drivers	Restraints
<ul style="list-style-type: none"> • IMO decarbonisation (CII / EEXI) compliance • Bunker-fuel cost & efficiency pressure • Charterer & financier ESG expectations • Maturing IoT, AIS & satellite data feeds • Voyage-optimisation & weather-routing AI gains 	<ul style="list-style-type: none"> • Data quality, standardisation & integration • Onboard connectivity & bandwidth limits • Fragmented sensor & legacy-fleet retrofit cost • Data-ownership & cyber-security concerns • ROI-attribution & change-management barriers

SEGMENTATION SNAPSHOT

By Focus	Fleet performance · voyage optimisation · emissions / CII
By Data Source	Onboard IoT · AIS / satellite · weather / ocean
By Application	Performance monitoring · optimisation · compliance & reporting
By End User	Ship owners · charterers · managers · class societies
By Business Model	Software licence · SaaS · per-vessel · outcome-based
By Scale	Pilot · fleet rollout · enterprise platform

TABLE OF CONTENTS — PARTS & CHAPTERS

The full report is organised into nine parts across 53 chapters, listed below. Detailed sub-headings, country tables and directories are provided in the full report.

Part I — Report Foundation, Discovery and Strategic Intelligence

- › Chapter 1. Scope, Methodology and Report Architecture
- › Chapter 2. Industry Discovery Summary — Smart Shipping Analytics Platforms
- › Chapter 3. Executive Intelligence and Decision Dashboard
- › Chapter 4. Strategic Findings, Materiality and Investment Verdict Preview

Part II — Market Intelligence, Sizing, Forecasting and Segmentation

- › Chapter 5. Industry Overview and Market Evolution
- › Chapter 6. Market Dynamics
- › Chapter 7. Global Market Size and Forecast, 2020–2032
- › Chapter 8. Market Segmentation Analysis
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Part IV — Technology, Innovation and Category-Specific Intelligence

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- › Chapter 20. Emerging and Next-Generation Technology Intelligence
- › Chapter 21. Category-Specific Intelligence Module
- › Chapter 22. Research, Innovation and Funding Landscape

Part V — Company, Competition, Patent and Project Intelligence

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Part IX — Annexes, Directories and Reference Material

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- › Chapter 48. Corporate Directory and Company Intelligence Annex
- › Chapter 49. Patent Directory and Patent Intelligence Annex
- › Chapter 50. Project Intelligence Annex
- › Chapter 51. Forecast Annex
- › Chapter 52. Sustainability KPI Annex
- › Chapter 53. Reference Annexes

COMPETITIVE & INVESTMENT SNAPSHOT

The competitive field spans maritime-software specialists, established class societies and OEMs, and analytics-first innovators.

Representative players profiled in the full report:

Kongsberg Gruppen ASA · Wärtsilä Oyj Abp · DNV AS · NAPA Ltd. · ZeroNorth A/S · and 20+ further profiled players across maritime-analytics and decarbonisation-software innovators.

Investment intelligence: venture, infrastructure, development, climate and blended finance, green bonds and sustainability-linked loans — culminating in a bankability assessment and a clear, decision-ready investment verdict.

KEY QUESTIONS THIS REPORT ANSWERS

- ? How large is the global smart shipping analytics platforms market, and how fast will it grow to 2032?
- ? Which regions, countries and segments offer the strongest risk-adjusted opportunity?
- ? How do voyage and emissions analytics change fleet value versus manual reporting?
- ? Who leads, and where is the competitive and patent white space?
- ? Is the investment case bankable — and under what conditions?
- ? How does the category align with the SDGs, circular-economy and resource-security and disclosure regulation?

WHY ANMD — THE DIFFERENCE

Most market studies stop at units and revenue. This report is built as a sustainability due diligence instrument — fusing market sizing with ESG, SDG, climate, water and natural-capital intelligence and a decision-ready bankability verdict in a single architecture.

- **Triangulated sizing** — every market read three ways (value, platform seats/licences and vessels covered) so value-led and volume-led views reconcile rather than conflict.
- **Region-honest forecasting** — Latin America, Africa and the Middle East reported in full, never hidden inside Rest of World, every forecast resolved to the 2025 base year.
- **Integrated evidence base** — company, patent and project databases linked to the analysis, with published-filing patents and FTO treated as an indicator, not a legal conclusion.
- **No-fabrication discipline** — every estimate carries a data-confidence rating and disclosed sources; gaps are flagged for further diligence, never filled with invented numbers.
- **Anti-greenwashing rigour** — SDG-washing and greenwashing screens plus claim-substantiation checks built into the ESG and project analysis.
- **Decision-first structure** — 9 Parts and 53 Chapters culminating in stakeholder playbooks and a clear, decision-ready investment verdict.

WHO SHOULD BUY THIS REPORT

Investors and maritime-tech / PE funds, shipowners and operators, charterers and managers, classification societies and regulators, ports and lenders, and strategic corporate planners and decision-makers.

Access the Full Report

The complete report delivers all 53 chapters in full, with every sub-heading, country table, company and patent directory, forecast model and due diligence checklist.

Purchase at www.anewmarketdynamics.com · Standard & Premium licences · Single-Site (SSL) and Global-Site (GSL) options at checkout.

Want the Complete Detailed Table of Contents?

This prospectus lists the nine parts and 53 chapters. The complete detailed table of contents — every sub-heading, country table, exhibit, company and patent directory and annex — is available on request to registered users. To receive it, register with your official company email at www.anewmarketdynamics.com. The full detailed table of contents will be sent directly to your registered company email address.