

TOP 150 2026

Most Innovative
Companies
in Maritime

OneOcean

A background image of a ship's captain, a middle-aged man with a beard, wearing a white uniform with gold epaulettes, smiling and looking out the window of the ship's bridge.

Mastering maritime data for competitive advantage



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report now

A logo for the Digital Transformation Research Programme, featuring a stylized circuit board design with three vertical lines and three circular nodes.

Digital
Transformation
Research Programme

The image displays a collection of 30 logos for various shipping and maritime companies, arranged in three rows of ten. The logos are as follows:

- Row 1: ClassNK, CMA CGM, COSCO SHIPPING, DNV, ABB, ABS, BMT, and others.
- Row 2: [Logo with three white curved lines on a dark green background], K, K, KM, KR (KOREAN REGISTER), [Blue play button icon], LR, [White star on a blue background], marcurea, [Blue play button icon].
- Row 3: MOL (Mitsui O.S.K. Lines), [White interlocking circles on a dark blue background], NTK, RINA, [SAMSUNG HEAVY INDUSTRIES logo], SG, VARD (a Paccar company), WARTSILA, [White 'W' on a blue background], WINDWARD (The Power of Maritime 4.0).

[illegible]

A grid of 48 circular logos for various startups, arranged in 4 rows and 12 columns. The logos feature diverse designs, including letters, symbols, and abstract shapes, representing a wide range of industries and business models.

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Foreword

Mark Warner

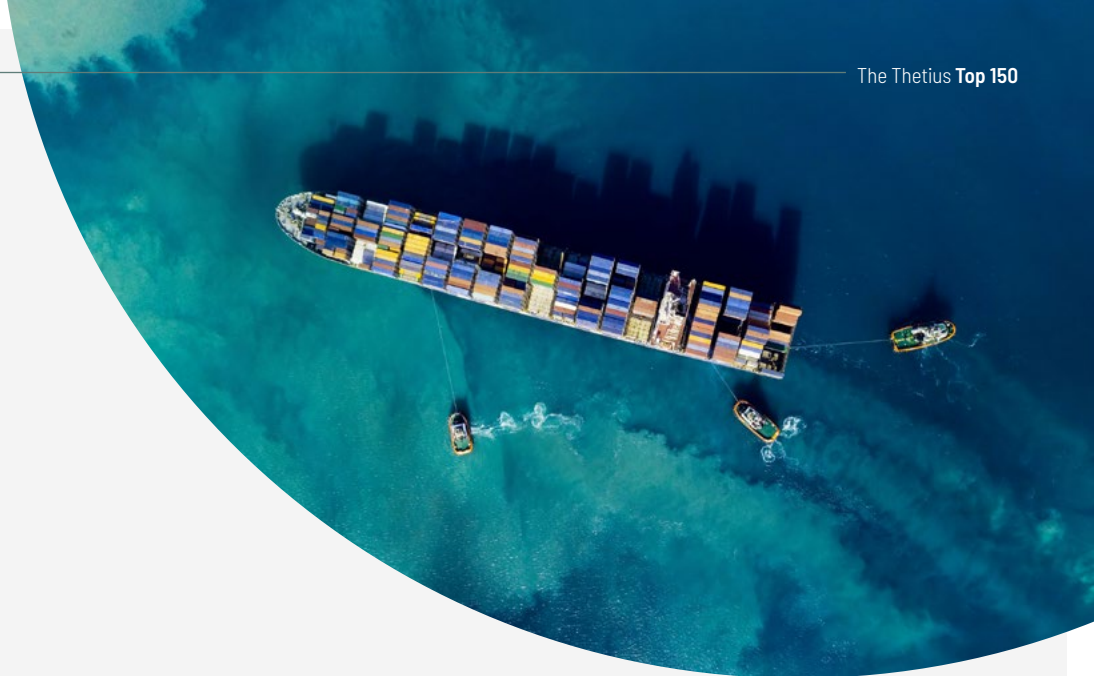
Global Marketing Director
Lloyd's Register



The maritime digital challenge has long been framed as a technology problem. But it's not. The industry has more data, more connectivity and more digital tools than ever before, yet many organisations struggle to convert digital investment (including pertinently growing AI investment) into the outcomes they want.

Ships, ports and supply chains all generate an unprecedented volume of data and information set against a backdrop of increasing regulation. In this environment, success will not be determined by those who adopt the most technology but by those who can connect technology, data and people most effectively.

This year's Thetius 150 report showcases the organisations leading that transformation. What unites them is not pure innovation, but their ability to rethink maritime operations by making better decisions to create value. The most successful organisations are integrating their data, workflows and expertise.



At LR we see this shift reflected across the industry and through initiatives such as our Digital Maturity Index (DMI) that now has over 70 companies benchmarked globally, our rapidly growing Digital Transformation Advisory services and our digital solutions in training, voyage planning and technical management on over 30,000 vessels provided by OneOcean.

With these tools and services, we help organisations understand where they stand today and what it will take to succeed tomorrow. The barriers to transformation are not technological but organisational. Trusted data, effective governance, a ready workforce and a clear strategy are the foundations of digital success.

We believe this transformation should be viewed through three interconnected dimensions: vessel, voyage and people.

For vessels, digital technologies improve assurance, support condition-based approaches and enable better decisions throughout the asset lifecycle. For voyages, connected platforms and real-time intelligence help operators constantly improve their performance and compliance, and respond more effectively in an increasingly complex operating environment. Lastly, digital tools and AI bolster human expertise, improving decision-making and building the skills needed for the next generation of maritime operations.

Success will not be determined by those who adopt the most technology but by those who can connect technology, data and people most effectively.

The greatest value does not come from optimising these areas individually but by connecting them into a trusted digital system where information can move seamlessly from ship to shore and from insight to action.

The next phase of maritime transformation will be defined by confidence. Confidence in data. Confidence in AI-enabled decisions. Confidence that increasingly connected systems remain safe, resilient and trusted. Organisations that thrive will be those which combine digital capabilities with human expertise.

The innovators featured in this report are shaping the future of maritime. Their work illustrates how the next decade of maritime progress will not be driven by technology alone, but by our collective ability to connect vessels, voyages and people into a single, intelligent and trusted ecosystem.

Those who succeed will not be more digital, but more adaptive, more resilient and better equipped to navigate the challenges and opportunities that lie ahead.

Introduction

Welcome to Thetius Top 150, 2026. This list profiles organisations we consider the most innovative in the industry today, supporting our mission to drive innovation in the maritime sector.

As part of that, we have searched the globe, looking for startups, small and medium-sized enterprises (SMEs), corporates and not-for-profit bodies that are developing innovative technologies to drive change in the industry.

From more than 5,000 organisations captured in the Thetius IQ database, we shortlisted 1,200 that have been particularly active in the last 12 months developing and deploying new technologies for the maritime industry. From there, we narrowed it down to just 150 organisations that we believe are having the biggest impact on the industry today.

Thetius IQ is our intelligence platform that tracks thousands of organisations, product announcements, startup investments, partnerships, acquisitions, grant funding and contract awards. We call these market signals.

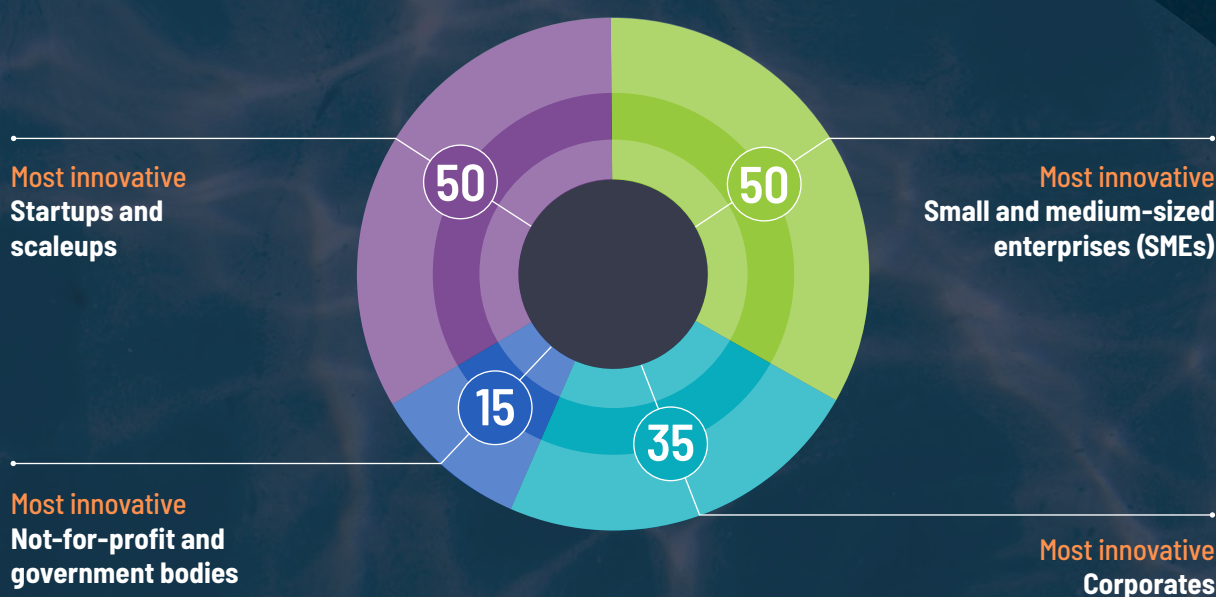
Organisations have been selected based on a scoring system developed by the Thetius team that measures their contribution to the advancement of technology in the industry through these market signals.¹

The top organisations in each category have been profiled and presented within this report. Please note that organisations are listed in alphabetical order under each category and are not ranked in any way.

Our aim is to showcase the work of the organisations around the world that are pushing the industry forward, whether they are suppliers or customers, big or small, venture-funded or bootstrapped, commercial or not-for-profit.

We hope you enjoy reading it as much as we have enjoyed compiling it.

The Thetius Top 150 is split into four sections:



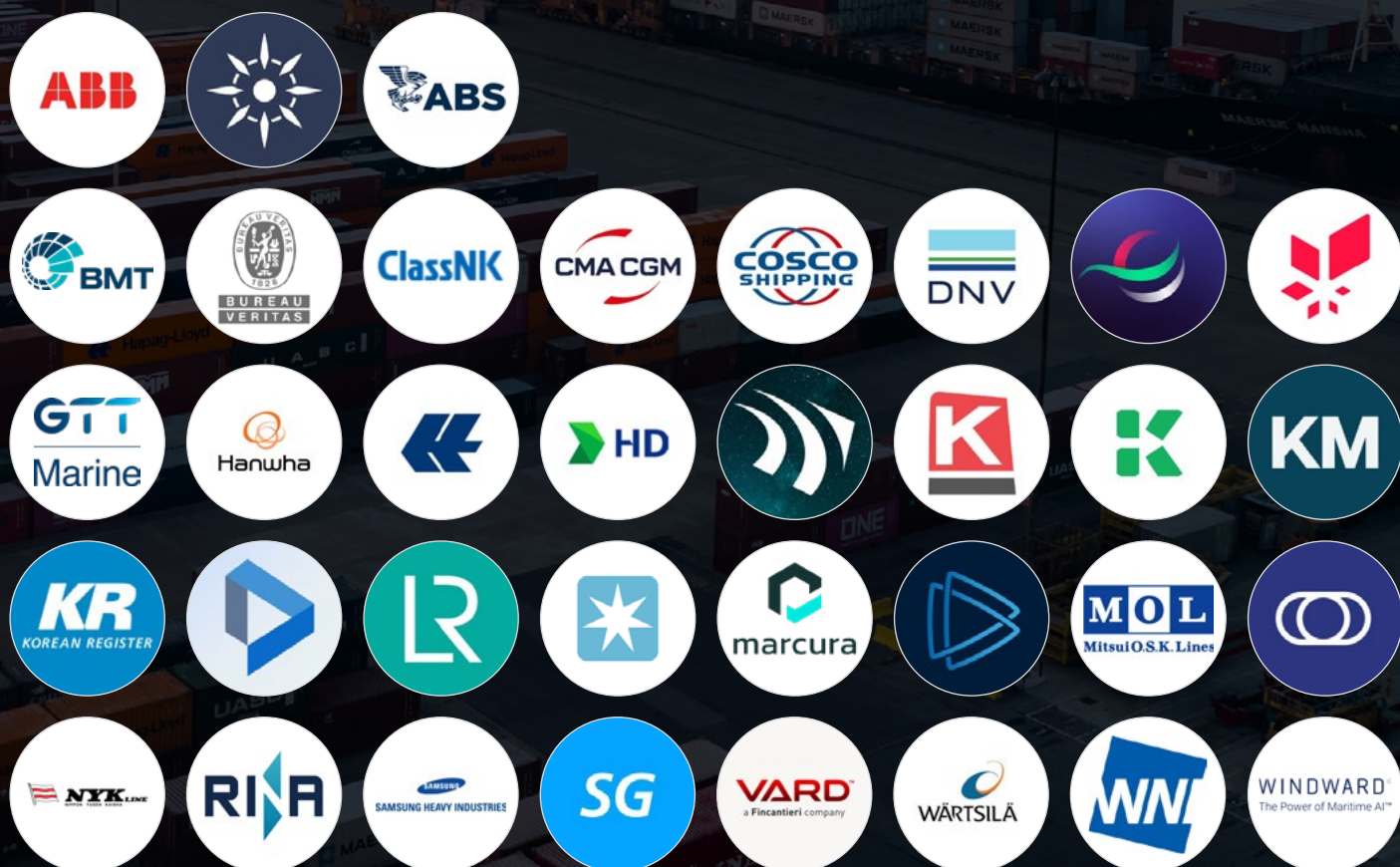
1. The full methodology is outlined at the end of this document.

TOP150

Corporates

Thetius defines corporates as organisations that are at least ten years old and have more than 250 employees.

35 corporate companies have been profiled by Thetius.



Most innovative corporates

Foreword

The maritime industry is entering a new era where connectivity, intelligence, and collaboration are essential to operational success. As global supply chains face increasing complexity, the ability to connect data, systems, and stakeholders across the ecosystem has never been more important. At Kaleris, we believe the future belongs to organisations that can transform connectivity into action, delivering greater efficiency, predictability, and resilience from berth to hinterland.

Optimisation is where connectivity evolves into coordinated action, enabling stakeholders to move beyond visibility and toward shared decision-making across shipping lines, terminals, ports, and logistics providers.

Across the industry, digital transformation is accelerating. Terminal operators are embracing advanced optimisation technologies to increase throughput and improve resource utilisation, while shipping lines and vessel operators prepare for a more connected future.

Yet data alone does not create value. As one participant in a recent Kaleris customer workshop observed, "We don't lack data. We lack agreement on what's actually happening." Another summarised the challenge equally well: "Efficiency doesn't come from sending more messages. It comes from agreeing on the state and acting on it together."

This is the shift from communication to coordination, and it represents a critical turning point in maritime logistics. Optimisation is where connectivity evolves into coordinated action, enabling stakeholders to move beyond visibility and toward shared decision-making across shipping lines, terminals, ports, and logistics providers.

Kaleris is helping lead this transformation through innovations that connect terminals, vessels, and the broader supply chain ecosystem. Our terminal operating system advancements, including Advanced Optimisation and Yard Intelligence Suite, empower terminals to maximise productivity, improve yard fluidity, and respond dynamically to changing operating conditions. Meanwhile, our Carrier and Vessel Solutions provide the digital foundation vessel owners and operators need to support optimised data exchange during a vessel's port call.

By connecting terminals and vessels through shared operational intelligence and new initiatives such as the Kaleris Cargo Data Exchange, we transform connectivity into coordination, reducing complexity, increasing reliability, and creating a smarter, more resilient future for global trade.

Kirk Knauff

President & CEO





ABB

HQ:	Switzerland
Employee Count:	10K+
Year Founded:	1988

ABB Group operates through four business areas: electrification, motion, automation, and robotics. Its dedicated marine & ports division supplies electrical propulsion systems, vessel automation, dynamic positioning, energy management and digital routing services worldwide.

Notable for:

- In September 2025, ABB and Wallenius Marine launched OVERSEA, a joint venture offering a digital platform and support to improve energy efficiency and reduce emissions in shipping.
- ABB completed sea trials of its Dynamic Positioning Class 2 (DP2) technology on DEMA's *Norse Wind* vessel in December 2025, demonstrating continuous control and helping to improve safety and decision-making.
- In May 2026, ABB launched its Waterside Automation system to increase automation in quay crane operations, utilising AI, sensor systems, real-time analytics and optical character recognition (OCR) to manage crane movements.



AD Ports Group

HQ:	United Arab Emirates
Employee Count:	1K-5K
Year Founded:	2006

AD Ports Group manages an integrated portfolio of maritime, logistics, and industrial assets.

Notable for:

- In September 2025, AD Ports Group began deploying Low Earth Orbit (LEO) satellite services across its 270-ship fleet and 34 global terminals, enabling real-time vessel tracking, predictive maintenance, dynamic route optimisation and automated cargo monitoring.
- AD Ports Group and NYU Abu Dhabi launched a multi-year research partnership in May 2026 to develop and pilot a high-fidelity engine for port operations, aiming to reduce berth waiting times, improve planning precision and support more efficient port calls.
- Also in May 2026, AD Ports Group and UAE-based telecoms provider e& developed a new AI-ready high-capacity terrestrial network linking more than 1,000 km of maritime and logistics assets across Abu Dhabi as part of AD Ports Group's wider digitalisation strategy.



American Bureau of Shipping

HQ:	United States
Employee Count:	5K-10K
Year Founded:	1862

The American Bureau of Shipping (ABS) provides classification, certification, and technical solutions for the marine and offshore industries.

Notable for:

- In October 2025, ABS launched ABS EagleTwin, a 3D digital life-cycle management tool aimed at enhancing safety for offshore operators and owners.
- ABS has advanced research into the use of nuclear power in maritime, introducing a nuclear-ready notation in May 2026 to help shipowners and designers prepare vessels for potential future nuclear power conversion. In June 2026, a consortium led by ABS began studying the feasibility of installing a compact nuclear fusion reactor aboard a vessel.
- In September 2025, ABS launched ABS Wavesight Advantage to improve fleet efficiency, compliance and risk management.



BMT

HQ:	United Kingdom
Employee Count:	1K-5K
Year Founded:	1985

Originally British Maritime Technology, BMT operates as an independent multidisciplinary engineering, science, and technology consultancy that supports clients across the project lifecycle.

Notable for:

- In September 2025, BMT revealed its modular uncrewed ship concept, MODUS, in response to the growing demand for medium and large uncrewed surface vessels (USVs).
- BMT, alongside HydroSurv and South Devon College, completed a project demonstrating autonomous docking for zero-emissions USVs in October 2025.
- In February 2025, BMT opened a new simulation and digital engineering facility with the aim of supporting the development of hybrid fleets and autonomous vessel operations.





Bureau Veritas Marine & Offshore

HQ:	France
Employee Count:	10K+
Year Founded:	1828

Bureau Veritas Marine & Offshore (BV) is an established enterprise which offers testing, inspection and certification services for the maritime industry, delivering critical technical expertise and verification solutions to facilitate trade and ensure supply chain integrity.

The company aims to help build a safer, more sustainable and digitalised industry. To achieve this, BV develops rules and guidelines to support maritime progress, while also offering software developed for the maritime industry that helps its users to comply with regulatory requirements.

In June 2025, BV launched an AI-powered inspection tool, the Augmented Surveyor 3D (AGS 3D), designed for ship and offshore structure inspections. BV completed a successful pilot of the tool on an FPSO vessel in West Africa as part of a collaboration with TotalEnergies.

As part of the pilot, a drone-based inspection was conducted of two water ballast tanks for which AGS 3D processed all the data to create a comprehensive 3D digital model, which featured AI-enhanced corrosion analytics.

BV also launched a predictive decision software-as-a-service (SaaS) platform called OptiCARBON™, aimed at optimising energy, fuel, and compliance costs for maritime fleets. Initially designed for ferries, cruise ships, and roll-on roll-off vessels, BV noted at launch plans to scale the platform into other maritime segments.

The platform enables its users to tailor decarbonisation strategies for a variety of fleet sizes, acting as a predictive decision-making tool. The AI-assisted platform allows for simulation of operational strategies and assessment of regulatory impacts.

Brittany Ferries was among the first users of the platform, where it was successfully used to provide accurate mapping and compliance simulations to assist with EU Emissions Trading System (EU-ETS) obligations.

In February 2026, BV and Wartsila announced a collaboration to advance a joint development project leveraging BV's ship energy efficiency calculation analysis tool, SEECAT, to evaluate conventional LNG carrier architecture against Wärtsilä's flexible hybrid-electric concepts.





ClassNK

HQ:	Japan
Employee Count:	1K-5K
Year Founded:	1899

As an internationally recognised classification society, ClassNK provides technical expertise in vessel design, inspections, cybersecurity and regulatory compliance.

Notable for:

- In July 2025, ClassNK launched a service to support clients in cost estimation for fleet expenses and compliance in evolving regulations, encompassing two tools: ClassNK Fleet Cost Calculator and Cost Estimation Report.
- Through the ClassNK academy, ClassNK and GTT joined forces to offer specialised courses on alternative fuels to equip maritime professionals with advanced knowledge and skills for safe and efficient handling of these fuels.
- In February 2026, ClassNK launched a joint pilot programme with ten Japanese shipbuilders to test a 3D model-based drawing approval workflow as part of plans to shift from 2D approvals to 3D. In May 2026, ClassNK released guidelines for the 3D model-based approval process.



CMA CGM

HQ:	France
Employee Count:	10K+
Year Founded:	1978

French shipping carrier CMA CGM operates a fleet of over 650 vessels that call in more than 420 ports in 160 countries and, through its subsidiaries, also manages a portfolio of terminals.

Notable for:

- In February 2026, CMA CGM enacted a \$45 M modernisation programme at the Port of Lyon Rhone terminal, aiming to introduce an electric and hybrid river barge.
- CMA CGM and SIPG Energy completed Yangshan’s first bunkering of 3,643 tonnes of biomethanol for the 13,000 TEU containership *CMA CGM OSMIUM* in March 2026.
- In May 2026, CMA CGM launched the world’s largest liquefied natural gas-powered (LNG) container ship, capable of carrying over 24,000 TEU.



COSCO Shipping

HQ:	China
Employee Count:	10K+
Year Founded:	1961

COSCO Shipping is a major global player in integrated shipping and logistics services and is a keen investor in modernisation, digitalisation, and sustainability initiatives to enhance operational efficiency and reduce environmental impact.

Notable for:

- In September 2025, COSCO collaborated with the Colombian Customs to accept electronic Bills of Lading (eBLs) through IQAX eBL, eliminating the need for paper bills of lading and setting a precedent for eBL use in Latin America.
- COSCO partnered with the universities of Shanghai and Southampton, and Lloyd's Register to create a virtual organisation, International Maritime Future Technologies Innovation Centre, in November 2025, driving innovation in the maritime sector.
- In December 2025, COSCO opened an Advanced Technology Research Institute in Shanghai, which focuses on advancing technologies in shipping, port logistics and marine engineering equipment manufacturing.



DNV

HQ:	Norway
Employee Count:	10K+
Year Founded:	1864

A global leader in assurance and risk management, DNV provides certification, technical advisory, and digital solutions across multiple industries, including the maritime industry.

Notable for:

- In August 2025, DNV launched an independent maritime software company, CFARER, aimed at providing innovative and reliable software solutions for over 5,000 ships and 13,000 ports.
- DNV has supported maritime's decarbonisation journey in multiple ways, including publishing research on the viability of hydrogen (March 2026) and methanol (December 2025). In October 2025, DNV launched the first public tender portal for e-methanol procurement in the EU and UK.
- In April 2026, DNV launched the second phase of its Smart Shipping Centre of Excellence in Singapore, moving from pilot projects to scalable solutions that support remote operations, AI-driven systems and maritime decarbonisation.



DP World

HQ:	United Arab Emirates
Employee Count:	10K+
Year Founded:	2005

DP World is a global port, logistics and supply chain services network provider.

Notable for:

- In October 2025, DP World invested around \$230 M in BOXBAY’s Empty Superstack technology, which can store 27,000 TEU and operates like a giant vending machine for containers, to be deployed at London Gateway.
- After launching Insetify, a carbon insetting trial designed to reduce Scope 3 emissions across key European trade lanes in March 2026, DP World launched its first port-based carbon insetting initiative at Southampton in April 2026.
- In May 2026, DP World launched a cargo war risk insurance solution designed to provide continuous protection for shipments moving through the Middle East trade routes, covering goods across the entire journey and addressing gaps in traditional insurance, which typically covers a single leg of transit.



Equinor

HQ:	Norway
Employee Count:	10K+
Year Founded:	1972

Equinor is an international energy enterprise producing oil, gas, and utility-scale renewables and is the primary energy supplier to Europe.

Notable for:

- In August 2025, Equinor confirmed the first volumes of CO₂ have been successfully stored as part of the Northern Lights project.
- Equinor, DNV and TotalEnergies launched the second phase of their joint industry project, CETO, in January 2026 to find sustainable solutions to reduce carbon emissions.
- In March 2026, Equinor and Hydromea announced the world’s first demonstration of real-time, high-bandwidth wireless data transmission from the ocean floor directly to the cloud.



GTT Marine

HQ:	Denmark
Employee Count:	201-500
Year Founded:	1994

GTT Marine is the maritime digital and monitoring division of engineering group GTT, bringing together the complementary expertise of Danelec, Ascenz Marorka and Vessel Performance Solutions (VPS) under a single brand. With 17,000 units installed worldwide, GTT Marine is supported by a global network of more than 200 partners and 1,000 trained and certified technicians, delivering local expertise wherever vessels operate.

GTT Marine's portfolio spans onboard data acquisition, safety, voyage optimisation, vessel performance, shaft power measurement and emissions management, helping shipowners improve safety, efficiency and regulatory compliance through trusted data. Built on an open, platform-agnostic approach, the portfolio integrates with existing onboard systems to provide customers with the flexibility to adopt the solutions that best meet their operational requirements.

In 2025, GTT Marine launched the latest generation of its Voyage Data Recorder platform by Danelec, the DM100 VDR G3. Featuring a simplified hardware architecture, it reinforces its industry-leading mean time between failures (MTBF) while providing the scalability required for increasingly complex vessel installations, including the cruise sector. The same year, GTT Marine and DanPilot launched the world's first approved remote pilotage test programme, demonstrating the potential of digital technologies to transform maritime navigation and pilotage services.

The portfolio also includes the Shaft Power Meter by Kyma, delivering highly accurate propulsion performance measurements to support fuel optimisation.

Voyage Insights by Ascenz Marorka combines voyage optimisation, fuel monitoring, vessel performance, emissions management and regulatory compliance, while Vesper Insights by VPS provides advanced fleet performance analytics and benchmarking. In 2026, VPS expanded the platform through a partnership with CleanQuote, enabling users to source compliant hull and propeller cleaning services directly from identified efficiency losses.

Together, these complementary capabilities create an integrated digital ecosystem that connects onboard and cloud-based data, enabling shipowners to make better-informed decisions across safety, performance and environmental operations.





Hanwha Group

HQ:	South Korea
Employee Count:	10K+
Year Founded:	1952

Hanwha Group’s maritime business develops smart, future-ready maritime solutions. It is committed to expanding the use of alternative energy sources such as hydrogen and ammonia across marine applications.

Notable for:

- In September 2025, Hanwha Group, together with WinGD, produced a first-of-its-kind dual-fuel engine equipped with variable compression ratio (VCR) technology, aiming to reduce methane slip.
- Hanwha Ocean, a subsidiary of Hanwha Group, received approval in principle (AiP) from ABS in June 2025 for its cybersecurity solution, designed to address challenges unique to offshore energy production.
- In August 2025, Hanwha Group demonstrated its support of the US shipbuilding industry through a \$5 BN infrastructure plan for Hanwha Philly Shipyard, with plans for increased production capacity and new facilities.



Hapag-Lloyd

HQ:	Germany
Employee Count:	10K+
Year Founded:	1847

German shipping company Hapag-Lloyd, part of the Gemini Cooperation with Maersk, is one of the largest container carriers in the world with a total transport capacity of 2.5 M TEU.

Notable for:

- In July 2025, Hapag-Lloyd, along with other shipping giants, formed a self-regulating bunker initiative in the Amsterdam-Rotterdam-Antwerp area, monitoring issues such as quality opacity, shortages and adherence to standards.
- Hapag-Lloyd partnered with logistics software developer WiseTech in February 2026 to pilot the integration of Internet of Things (IoT) for real-time global container visibility across its fleet of 2M containers.
- In May 2026, Hapag-Lloyd and Kuehne+Nagel launched their first joint sustainable shipping initiative using waste-based sustainable marine fuels to reduce emissions on ocean freight services between East Asia and Northern Europe.



HD Hyundai

HQ:	South Korea
Employee Count:	10K+
Year Founded:	1972

HD Hyundai is one of South Korea's largest heavy industry conglomerates and, for the purpose of this report, includes its subsidiaries HD Hyundai Heavy Industries (HHI) and HD Korea Shipbuilding & Offshore Engineering (KSOE).

Notable for:

- KSOE received an Approval in Principle (AiP) from DNV for its nuclear-powered 15,000 TEU container vessel design, and ABS approved its autonomous technology, VesselWise, for use in the maritime industry in October 2025.
- In May 2026, HD Hyundai accelerated development of large electric ship technology through its "energy mix" power system, which combines dual-fuel engines with fuel cells, alongside medium-voltage direct current systems to improve efficiency and reduce transmission losses onboard.
- HHI announced in April 2026 its plans to build the world's first ammonia-powered vessel, later delivering to EXMAR the world's first oceangoing ammonia dual-fuel vessel in June 2026.

Inmarsat



HQ:	United Kingdom
Employee Count:	5K-10K
Year Founded:	1979

British satellite telecommunications company Inmarsat delivers global mobile communication services to maritime and other industries through its geostationary satellite network.

Notable for:

- As of July 2025, Inmarsat surpassed 1,000 orders for the deployment of its connectivity solution NexusWave on vessels.
- Inmarsat's NexusWave entered into a new phase in December 2025, following the successful launch of the ViaSat-3 Flight 2 satellite and ahead of the ViaSat-3 Flight 3 launch, enabling better performance, more consistent speeds and better flexibility.
- Evergreen confirmed a fleetwide rollout of NexusWave in July 2026, joining the likes of EXMAR (March 2026) and Hadley Shipping Group (August 2025) and others.

K Line



HQ:	Japan
Employee Count:	5K-10K
Year Founded:	1919

Kawasaki Kisen Kaisha, Ltd., known as K Line, is a shipping and logistics company which offers a wide range of maritime transportation services globally.

Notable for:

- In September 2025, K Line completed the first phase of its Seawing automated kite system through successful land-based testing of a 300 sq m kite.
- K Line and six other leading Japanese maritime companies signed an MoU to establish a standard design framework for liquefied CO₂ carriers and next-generation alternative-fuel vessels, using MILES as a shared platform for initial ship designs.
- In February 2026, K Line's coastal freighter *Hokuren Maru No.2*, an autonomous roll-on roll-off vessel, completed a significant regulatory milestone as it passed statutory government inspection.



Kaleris

HQ:	United States
Employee Count:	501-1K
Year Founded:	2020

Kaleris is a provider of comprehensive software solutions designed to optimise supply chain execution across yard management, transportation, terminal operations, and vessel management.

For marine terminals, Kaleris offers terminal operating systems (TOS) designed to optimise a variety of operations, including automated, semi-automated and manual container terminals, general cargo terminals, roll-on roll-off (ro-ro) terminals and inland depots.

Around 50% of the world’s cargo is handled by Kaleris solutions, which are present in over 620 terminals worldwide. For container terminals, Kaleris offers N4, a purpose-built solution with a variety of optimisation modules available.

In June 2025, Kaleris launched its Advanced Optimisation solutions designed to complement its N4 TOS. The solutions are aimed at optimising scheduling and dispatch across manned and automated rubber-tired gantry (RTG) cranes, as well as terminal trucks.

Kaleris also offers a modern and affordable software-as-a-service cloud-based TOS for small to mid-size cargo terminals and a General Cargo TOS which is purpose-built for mixed cargo and multipurpose terminals.

In May 2026, Kaleris unveiled its Yard Intelligence Suite, a software solution designed to help terminal operators improve visibility, efficiency, and decision-making across container yard operations without the need for physical expansion. To achieve this, the platform combines operational data, analytics, and intelligence tools to provide real-time insights into yard performance. The Yard Intelligence Suite is integrated with Kaleris’ existing optimisation tools and the N4 TOS.

The company’s carrier and vessel solutions include the MACS3 Suite, aimed at enhancing safety; Stowman, designed for maximising cargo intake; Odyssey, a carrier management system and the Bluetracker Suite, which helps manage fleets, while Lashing Monitor helps to reduce and prevent incidents.

In June 2025, Kaleris enhanced its carrier solutions through the acquisition of UK-based Locus Software, which the company integrated into its carrier operations management system to provide an all-in-one solution for carriers to efficiently manage operations from quote to cash.



We don't lack data.

We lack agreement on what's actually happening.



IT'S TIME TO RETHINK CARGO DATA EXCHANGE.

With Kaleris, isolated improvements in terminal, carrier, and vessel collaboration transform into scalable optimization.



Scan now to know more



www.kaleris.com



Kongsberg Maritime



HQ:	Norway
Employee Count:	5K-10K
Year Founded:	1814

Kongsberg Maritime became independent from the Kongsberg Group in January 2026. It develops and supplies advanced maritime technology, automation, and sustainable solutions globally.

Notable for:

- In August 2025, Kongsberg Discovery acquired three technologies from the bankrupt Argeo: Argeo Whisper, Argeo Listen, and Argeo Scope, expanding Kongsberg’s sensor portfolio and enhancing its Blue Insight analytics platform.
- Kongsberg Maritime delivered its first USV, the *Reach Remote 1*, in December 2025 following trials overseen by DNV and the Norwegian Maritime Authority.
- In April 2026, Kongsberg Maritime supported the Maritime Academy of Asia and the Pacific’s extensive simulation training designed to help crews prepare for increasingly digital environments.

Korean Register



HQ:	South Korea
Employee Count:	1K-5K
Year Founded:	1960

Korean Register (KR) was established to ensure the safety and environmental compliance of vessels and today offers ship classification, certification and maritime safety services.

Notable for:

- In November 2025, KR introduced two new digital systems, PILOT and POWER, designed to help shipowners reduce emissions and meet decarbonisation goals.
- KR, EcoPro HN and HD Korea Shipbuilding & Offshore jointly developed and demonstrated an exhaust gas after-treatment system for ammonia-fuelled engines that achieved a 95% reduction in NOx and a 99.7% cut in ammonia emissions during land-based testing.
- In June 2026, KR and HD Hyundai Samho completed a year-long joint research project focused on applying AI to ship design and analysis aimed at improving efficiency and precision in shipbuilding workflows.

Lloyd’s List Intelligence



HQ:	United Kingdom
Employee Count:	201-500
Year Founded:	1734

Maritime data provider Lloyd’s List Intelligence delivers actionable insights for risk management and commercial compliance.

Notable for:

- In June 2025, Lloyd’s List Intelligence made some improvements to its Seasearcher platform, launching Navtor Nautical Charts to streamline claims investigations and reduce risk, as well as adding a new emissions performance feature developed in partnership with Siglar Carbon.
- Lloyd’s List Intelligence joined the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) in March 2026 to contribute to global discussions on AIS standards, vessel tracking, and emerging maritime digital communications such as VDES.
- In January 2026, the Hong Kong Monetary Authority’s Project Cargox Recommendation Report included Lloyd’s List Intelligence under the Commercial Data Interchange (CDI) programme, supporting efforts to modernise Hong Kong’s trade finance ecosystem through improved access to maritime data.



Lloyd's Register

HQ:	United Kingdom
Employee Count:	5K-10K
Year Founded:	1760

Entering the marine market as a classification society, Lloyd's Register (LR) has evolved into a leading provider of professional services for engineering and technology.

The company, which is headquartered in London, offers a variety of services aimed at supporting the maritime industry, including advisory, classification and certifications, digital solutions, maritime management systems and maritime training.

With decarbonisation and emissions reduction a core focus for many maritime companies, LR released a guidance document, *Navigating Nuclear Energy in Maritime*, in October 2025, which was described as the first roadmap for applying nuclear technology in commercial shipping and offshore industries.

Developed in partnership with the Global Nuclear Security Partners and North Standard, the publication focused on the regulatory, technical, operational and financial steps required to integrate nuclear power into maritime.

LR's focus on emissions reduction continued in February 2026, when the company published the maritime industry's first dedicated guidance notes for onboard hydrogen generation in response to rising interest across the industry for this technology.

Outside of future fuels, LR is active in supporting the digitisation of maritime. In December 2025, LR and Latsco completed a proof-of-concept for a new digital standard in class assurance, using verified operational vessel data to meet survey requirements.

Conducted on the vessel *HELLAS MARGARITA* during an active voyage to Singapore, the proof-of-concept utilised LR's Digital Survey Test Procedure, remotely testing, recording and verifying the vessel's auxiliary engine alarms, controls, shutdowns and safety systems.

Validated by a physical inspection afterwards, the results confirmed that data-driven methodologies can match and potentially exceed conventional onboard physical surveys.

In June 2026, LR introduced a new Digital Assurance Framework designed to provide independent verification throughout the lifecycle of digital systems, helping shipowners and technology providers validate performance, integration and decision-making. The framework aligns with the LR-owned OneOcean portfolio of software products.





Marcura

HQ:	United Arab Emirates
Employee Count:	1K-5K
Year Founded:	2001

Marcura provides maritime digital solutions and data-driven services aimed at optimising operational, financial, and compliance processes. The company is able to offer 24/7 expertise across maritime operations thanks to a team of experts spread across 53 countries and processes more than 200,000 port calls and \$17 BN in payments annually.

Its solutions cover a wide range of maritime activity. For port call management, Marcura offers PortLog, which helps operators pre-plan voyages and estimate fixtures correctly; DA-Desk, which simplifies and optimises port cost management, and a complete laytime claims solution known as Marcura Claims.

With regard to Marcura's other solutions, ShipServ is a single connected platform designed to help companies connect with verified maritime buyers and turn demand into revenue. MarTrust offers payment and wallet solutions to simplify crew and supplier payments, while VesselMan helps to plan and execute inspections, dry dockings, technical projects and data-driven repairs across fleets.

In May 2026, Marcura further added to its product portfolio with the introduction of Marcura Husbandry, aiming to bridge a gap in vessel operational expenditure management. Marcura Husbandry is a platform designed to integrate planning, procurement, execution and benchmarking into a single workflow.

Over the past year, the company has also grown through acquisitions. In August 2025, Marcura acquired Brightwell Navigator, the crew payroll division of US fintech company Brightwell. Through this acquisition, Marcura aimed to strengthen its position in the cruise segment and expand its global crew payment capabilities.

Following the acquisition of HubSE in February 2025, Marcura further expanded its presence in the tanker market through the acquisition of UK-based chemical tanker demurrage specialist Shipdem from its parent company, Casper Shipping, in February 2026. As it had done with HubSE, Marcura enhanced its Marcura Claims platform by integrating Shipdem's end-to-end demurrage claims services.



Marlink

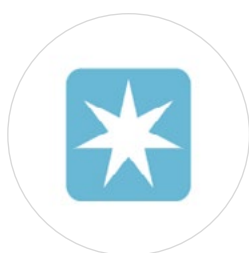


HQ:	France
Employee Count:	1K-5K
Year Founded:	1940

Marlink delivers smart hybrid network frameworks and digital solutions for remote operations, with a focus on unifying satellite, terrestrial, and cellular connectivity into secure infrastructure.

Notable for:

- In March 2026, Marlink introduced Sealink Multi-LEO, a new hybrid connectivity service that delivers a single, fully managed data allowance across the Starlink and Eutelsat OneWeb low Earth orbit satellite networks.
- Marlink launched XChange NextGen, an advanced edge platform designed to enhance digital capabilities, in March 2026.
- In April 2026, Marlink released a report highlighting that the evolving cyber risks in maritime are increasingly driven by user credentials and human error.



Maersk

HQ:	Denmark
Employee Count:	10K+
Year Founded:	1904

Maersk is a leading integrated logistics provider offering global shipping, port, and supply chain solutions.

Notable for:

- In June 2025, Maersk launched the Maersk Trade & Tariff Studio, an AI-powered digital platform to help cargo owners navigate the volatile trade landscape, offering real-time insights and analysis to help customers make informed decisions.
- As of October 2025, Maersk implemented a container release process at Germany's major seaports, replacing PINs with a secure and traceable digital release order to enhance supply chain security.
- Also in October 2025, Maersk began retrofitting 200 vessels in its time-chartered fleet to improve fuel efficiency and carrying capacity as part of a collaborative effort across 50 different shipowners to reach a 35% reduction in greenhouse gas emissions by 2030.

Mitsui OSK Lines Ltd



HQ:	Japan
Employee Count:	1K-5K
Year Founded:	1964

Mitsui OSK Lines Ltd (MOL) is one of the world's largest multimodal shipping companies, delivering comprehensive ocean freight, logistics, and marine infrastructure solutions.

Notable for:

- In October 2025, MOL, Kanadevia Corp., and Yanmar Power Solutions achieved a 98% reduction in methane slip for liquefied natural gas-fuelled (LNG) vessels, surpassing the initial target of 70%.
- MOL completed Japan's first ship-to-ship bunkering of methanol fuel in Yokohama Port in February 2026.
- In April 2026, MOL completed the first retrofit of its Wind Challenger hard-sail system on an operating vessel, marking the first time the wind-assist technology has been added to an in-service ship rather than a newbuild.



Navarino

HQ:	Greece
Employee Count:	201-500
Year Founded:	1996

Navarino is a global maritime technology provider which delivers advanced connectivity and IT solutions with a wide portfolio focused on empowering digital operations across the global merchant fleet.

Notable for:

- In April 2026, Navarino released Infinity 3.4.1, introducing enhancements focused on usability, operational efficiency and platform stability.
- In May 2026, Navarino launched NEMO, a new platform designed to give ship operators greater visibility and control over onboard systems and connected equipment.
- In June 2026, Navarino partnered with Palo Alto Networks to launch a fully managed cybersecurity platform for the maritime sector, Ozora, that combines next-generation firewall technology, endpoint detection and response, and a security operations centre into a single managed service.



NYK Line

HQ:	Japan
Employee Count:	10K+
Year Founded:	1885

NYK Line is one of Japan’s oldest and largest shipping firms, providing extensive marine and transport logistics services worldwide with a commitment to investing in sustainable shipping practices.

Notable for:

- In September 2025, NYK jointly developed an AI-based system for car carriers with MTI and Grid, which optimises plans and reduces emissions.
- NYK completed its first-ever ship-to-ship transfer of liquefied ammonia, moving 23,000 tonnes from the *Berlian Ekuator* to *Eco Enchanted* off the coast of Spain in September 2025.
- In May 2026, NYK Line carried out a demonstration trial at the Port of Singapore of its autonomous-ready car carrier *Elder Leader*, testing interoperability between the vessel’s autonomous navigation system and port digital infrastructure.



RINA

HQ:	Italy
Employee Count:	5K-10K
Year Founded:	1861

RINA is one of the oldest classification societies globally, offering classification, certification, inspection, testing and engineering consultancy services across maritime, energy, infrastructure, transport and industrial sectors.

Notable for:

- In June 2025, RINA acquired Finnish marine engineering consultancy Foreship, expanding RINA's presence in Northern Europe and enhancing its expertise in cruise ship design, energy-efficient vessels, and sustainable marine technologies.
- RINA secured a World Bank-backed contract in July 2025 to conduct a water assessment at the Port of Pecém, aimed at facilitating large-scale green hydrogen production and improving water access for nearby communities.
- In May 2026, RINA expanded its Singapore Open Innovation Hub, which focuses on digital twin systems, advancing decarbonisation and uses AI-enabled training platforms to support workforce upskilling.



Samsung Heavy Industries

HQ:	South Korea
Employee Count:	10K+
Year Founded:	1974

Samsung Heavy Industries (SHI), part of the Samsung Group, is a leading global shipbuilder and offshore engineering company which integrates smart ship solutions and digitalisation to enhance efficiency and sustainability.

Notable for:

- In July 2025, SHI and Evergreen collaborated to introduce virtual reality training systems at the Evergreen Seafarer Training Center, aiming to prepare seafarers for working on methanol dual-fuel container ships.
- SHI received the world's first approval in principle (AiP) for a 174,000 cu.m liquefied natural gas (LNG) carrier powered by a nuclear small modular reactor in September 2025.
- Also in September 2025, SHI's AI-based autonomous navigation system, Ocean AI, accurately and safely navigated a 15,000 TEU Evergreen container ship across the Pacific Ocean.



StormGeo

HQ:	Norway
Employee Count:	501-1K
Year Founded:	1997

StormGeo, part of Alfa Laval, is a global provider of advanced weather intelligence and decision-support solutions for shipping, energy, and weather-sensitive industries. StormGeo helps its clients navigate dynamic environmental conditions with powerful solutions that transform complex data into actionable insights to enable smarter, safer and more sustainable decisions, backed by 24/7 support, deep industry expertise and real-time guidance.

For shipping, these capabilities come together through Voyage Intelligence, StormGeo’s connected approach to voyage decision-making. It combines weather and ocean intelligence, navigation, route optimisation, vessel performance, speed, fuel, commercial goals, bunkering and emissions compliance into one decision framework. From pre-voyage planning to execution and post-voyage analysis, it gives crews and shore-based teams a shared view of the factors shaping every voyage.

StormGeo’s technology combines predictive analytics, AI, high-frequency weather data, vessel-specific performance models and real-time guidance. The company’s offering spans expert route advice, automated voyage optimisation, onboard planning, ship-to-shore data, technical and commercial fleet performance, digital bunker management and emissions compliance.

In November 2025, StormGeo strengthened its s-Insight Bunker Management platform, enhancing s-Insight’s capabilities. s-Insight Bunker Management streamlines fuel planning for the maritime industry, centralising and optimising fuel usage while providing real-time data and analytics to help reduce costs and improve efficiency for ship operators.

StormGeo’s customer portfolio includes leading shipping companies such as Hapag-Lloyd, G2 Ocean and TORM. In December 2025, TORM completed the rollout of s-Planner across its approximately 90-vessel fleet, creating a shared environment for onboard and shore-based voyage planning, weather insight, and route evaluation.

In February 2026, StormGeo introduced Voyage Optimization – Powered by Commercial Goals, helping operators align route and speed decisions with the commercial outcome of a voyage. The company also expanded s-Insight with its Premium Fleet Performance Center service, adding an expert-led advisory layer to fleet monitoring.

In June 2026, StormGeo announced a joint project with Alfa Laval to integrate shipboard sensor data into Voyage Intelligence. The initiative combines automated engine and hull performance data with weather, route, voyage, emissions and bunker information, giving operators a more complete view of vessel performance and supporting better-informed decisions.



Vard

HQ:	Norway
Employee Count:	5K-10K
Year Founded:	1983

Vard is a leading shipbuilder, constructing specialised ships, liquefied natural gas-fuelled (LNG) ferries, naval vessels, coast guard patrol boats and ships for the offshore market.

Notable for:

- In January 2026, a study led by Vard confirmed the feasibility of nuclear-powered offshore vessels, showing that smaller fourth-generation nuclear reactors can be integrated into DP2 and potentially DP3 vessels.
- In April 2026, Vard launched a new hybrid battery-powered vessel designed for offshore operations, featuring a new system that combines conventional engines with battery systems to improve fuel efficiency and reduce emissions.
- In May 2026, Vard worked with a Norwegian research team at SINTEF to develop a wireless offshore charging system for electric vessels that uses magnetic induction rather than traditional plug connections.



Wärtsilä

HQ:	Finland
Employee Count:	10K+
Year Founded:	1834

Wärtsilä supplies technologies and lifecycle solutions for marine and energy markets worldwide, with a portfolio spanning ship engines, propulsion, automation, and integrated power systems for various vessel types.

Notable for:

- In November 2025, Wärtsilä completed three major fire safety and explosion tests for its battery energy storage system, Quantum3, setting a benchmark for fire safety in energy storage.
- Wärtsilä launched its NTPRO 7 bridge and ship-handling simulator in April 2026, aiming to enhance training and operational readiness for vessel operations as navigation becomes increasingly digital and complex.
- In May 2026, Wärtsilä launched a modular grease trap system, the GREASE TRAP - GM Series, to improve wastewater management and protect marine environments.



Weathernews Inc.

HQ:	Japan
Employee Count:	501-1K
Year Founded:	1986

Weathernews Inc. is an independent private meteorological service provider which delivers risk communication and operational decision-support solutions.

Notable for:

- In December 2025, Weathernews Inc. launched SeaNavigator for Master, the world’s first AI-powered platform designed to help ship captains make operational decisions through conversational support and real-time access to high-resolution weather and marine data.
- Weathernews Inc. launched an API-based marine weather dataset for the shipping industry in April 2026, delivering 23% greater wave-height accuracy than its predecessor.
- In May 2026, Weathernews Inc. temporarily made vessel tracking and marine weather data for Middle Eastern waters free on its SeaNavigator platform in response to the Strait of Hormuz tensions.



Windward

HQ:	United States
Employee Count:	201-500
Year Founded:	2010

Windward is an AI-driven maritime analytics platform enhancing risk management and operational efficiency, helping maritime organisations to overcome challenges and predict future events.

Notable for:

- In September 2025, Windward launched an AI-powered automated document validation solution aimed at aligning trade documentation with real-world maritime activity.
- Windward launched a remote sensing intelligence solution in November 2025, integrating multiple data sources to enhance situational awareness and decision-making.
- In February 2026, Windward opened its Maritime Intelligence Operations Centre (MIOC), designed to provide mission-ready, decision-grade maritime intelligence for government agencies, commercial enterprises, legal organisations and insurance companies.



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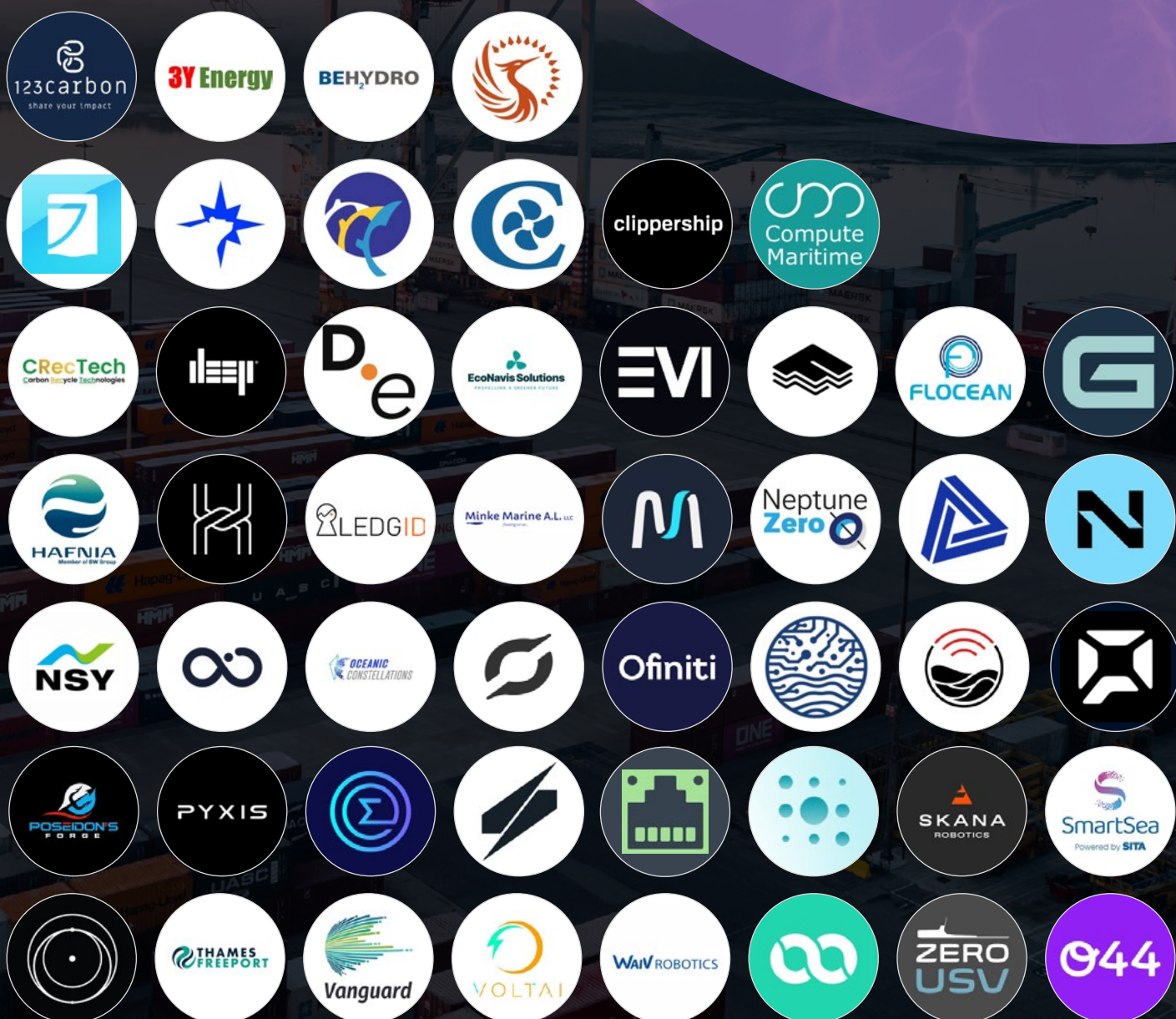
TOP150

Startups & Scaleups

Thetius defines startups as organisations that are less than five years old and have 250 or fewer employees.

Scaleups are defined as those less than ten years old with more than 250 employees.

A combination of 50 startups and scaleups have been selected and profiled.





123Carbon

HQ:	Netherlands
Employee Count:	2-10
Year Founded:	2022

Backed by blockchain technology, 123Carbon's digital platform enables the issuance, management, and allocation of environmental attribute certificates across transport. All of 123Carbon's certificates are externally verified against ISO standards by independent assurance providers.

Notable for:

- 123Carbon partnered with zero44 in October 2025 in order to provide a consolidated platform for carbon accounting in the maritime industry.
- In January 2026, 123Carbon joined the ALICE alliance to support the advancement of carbon insetting in transport.
- 123Carbon released its first Impact Update in April 2026, highlighting the issuance of environmental attribute certificates representing more than 500,000 tonnes of CO₂ emissions avoided.



3Y Energy

HQ:	Singapore
Employee Count:	2-10
Year Founded:	2024

3Y Energy's technology portfolio encompasses three areas, including advanced biofuel evaluation and fuel optimisation; engine retrofit and ignition technologies; and sensor-based monitoring for maintenance.

Notable for:

- In February 2026, the IRGR Ammonia Engine project launched at the National University of Singapore. 3Y Energy participated as an industrial partner.
- 3Y Energy completed a one-year Maritime and Port Authority of Singapore-funded R&D project in March 2026, which involved developing a platform to test and optimise marine biofuel blends for shipping.
- In April 2026, 3Y Energy partnered with CSSC to develop engines capable of operating on multiple alternative fuels.



BeHydro

HQ:	Belgium
Employee Count:	501-1K
Year Founded:	2019

Representing a joint venture between CMB.TECH and Anglo Belgian Corporation, BeHydro’s mission is to design and manufacture medium-speed internal combustion engines that operate on 100% hydrogen or a dual-fuel hydrogen-diesel mix.

Notable for:

- In January 2026, Japan’s first dual-fuel hydrogen engine tugboat, built using BeHydro V12 engines, was delivered.
- In February 2026, BeHydro completed type approval and factory acceptance testing for its first 100% hydrogen-fuelled marine engine with Lloyd’s Register.
- In April 2026, BeHydro partnered with Daihatsu Infinearth and JPN2HYDRO to accelerate the adoption of hydrogen-powered engines in Japan’s ports.



Bennu (formerly Blue Dot Change)

HQ:	United States
Employee Count:	2-10
Year Founded:	2022

Bennu is a sustainability consulting services and software solutions company which aims to eliminate methane emissions in particular. As part of its services, Bennu assesses its customers’ environmental impact, develops carbon reduction strategies and implements sustainable practices.

Notable for:

- In April 2026, Bennu launched the world’s first maritime methane-removal pilot with Lomarlabs aboard a Lomar Shipping bulk carrier.
- Bennu participated in Pier71’s 2025 Smart Port challenge.
- Bennu’s system is in the process of gaining carbon credit certification from Gold Standard, the internationally recognised programme that empowers governments, businesses and enterprises.



BetterSea

HQ:	Portugal
Employee Count:	11-50
Year Founded:	2023

BetterSea operates a digital marketplace for FuelEU Maritime regulation compliance. Its platform enables ship owners, charterers and managers to pool, buy or sell surplus compliance credits and is utilised for over 5,000 vessels.

Notable for:

- BetterSea, UECC and Veracity by DNV partnered in July 2025 to enable fast onboarding and up-to-date automatic upload of the pre-verified voyage-based data to BetterSea's platform.
- In August 2025, BetterSea launched the world's first FuelEU Index to provide transparency, insight and structure to the FuelEU surplus trading environment.
- BetterSea and Evigo joined together in November 2025 to standardise and simplify maritime pooling, making it more accessible and efficient.



BigBear.ai

HQ:	United States
Employee Count:	501-1K
Year Founded:	2020

Formed through the combination of NuWave Solutions and Pangiam/BigBear in 2020, BigBear.ai offers a comprehensive suite of solutions designed to help users enhance decision-making throughout operations.

Notable for:

- In January 2026, BigBear.ai acquired technology assets from CargoSeer to strengthen its AI capabilities for customs and border security applications.
- Also in January 2026, AD Ports Group's digital arm Maqta Technologies partnered with BigBear.ai to develop advanced AI solutions for the maritime trade and customs industry.
- In May 2026, the company, alongside International Shipping Compliance (ISC), launched an AI-powered cargo security platform in Panama to improve cargo visibility and strengthen customs and border security.

Calcareia



HQ:	United States
Employee Count:	2-10
Year Founded:	2022

Backed by Caltech and the University of Southern California, Calcareia develops carbon capture and storage solutions (CCSS) engineered for the shipping industry. The company's patented reactor is designed to be more efficient, scalable and cost-effective than traditional CCSS.

Notable for:

- Calcareia's CCSS concept turns CO₂ into bicarbonate ions while vessels are underway.
- In February 2026, Calcareia won The Captain's Table startup pitch competition for its CCSS technology.
- Calcareia partnered with Aurelia in April 2026 to develop a next-generation bulk carrier that fully integrates Calcareia's reactor and supporting systems into the vessel's architecture.



Chance Maritime Technologies

HQ:	United States
Employee Count:	11–50
Year Founded:	2022

Specialising in unmanned surface vehicles (USVs) and autonomous vessels, Chance Maritime Technologies offers technological solutions for the maritime industry. Its services include consulting, USV leasing, operation, training and troubleshooting.

Notable for:

- By the end of 2025, the company had accumulated 3,000 unmanned operational hours from the Gulf of Mexico, across the East Coast and into the Great Lakes.
- In May 2026, Chance Maritime Technologies supplied autonomous vessels to support Woolpert’s first fully uncrewed offshore hydrographic survey mission for NOAA.
- Also in May, NOAA awarded Chance Maritime Technologies a \$21.6 M contract to supply up to eight uncrewed marine systems to support new charting and mapping vessels.



Clippership

HQ:	United States
Employee Count:	2–10
Year Founded:	2024

Clippership develops compact, autonomous vessels powered by wind, inspired by the innovations of Mercedes, NASA, Tesla and the operational problem-solving skills developed through years of overseas deployment.

Notable for:

- In July 2025, Clippership raised \$4.6 M in a funding round to support vessel development, strengthen engineering capabilities and expand its operations.
- Clippership finalised the design of its first 24 m class zero-emissions, autonomous vessel in December 2025.
- In January 2026, the company placed a construction contract with Dutch Shipyard KM Yachtbuilders for the construction of its first cargo vessel.



Compute Maritime

HQ:	United Kingdom
Employee Count:	2-10
Year Founded:	2023

Compute Maritime specialises in generative AI-powered software designed to advance maritime sustainability efforts. Its NeuralShipper tool is the world's first generative AI-powered solution developed to design, simulate and optimise various maritime assets.

Notable for:

- In September 2025, Compute Maritime joined NVIDIA Inception to accelerate the development of sustainable ship design using generative AI.
- Also in September, the company took charge of the UK-funded GenDSOM project to develop a next-generation crew transfer vessel using generative AI and additive manufacturing.
- In June 2026, the results of the aforementioned project revealed that the optimised vessel achieved an 11% reduction in annual fuel consumption, saving 258.7 tonnes of CO₂ per year and using 6% less power at 25 knots.



CRecTech

HQ:	Singapore
Employee Count:	2-10
Year Founded:	2022

CRecTech develops catalytic technology to produce renewable methanol fuel from biogas, reducing the operational steps and costs involved in bio-methanol production and allowing companies to lower emissions during hydrogen and methanol production without relying on carbon capture technologies.

Notable for:

- In January 2026, CRecTech secured a lead investment from In Group Holdings to support its CRecREF technology.
- CRecTech unveiled the third generation of pre-pilot reactors in February 2026, intending to move into pilot testing in 2027.
- In April 2026, PT Pertamina Power Indonesia signed a memorandum of understanding with CRecTech with the aim to pilot a biogas-to-bio-methanol facility in Sumatra, Indonesia.



Deep

HQ:	United States
Employee Count:	51-200
Year Founded:	2023

Ocean technology and exploration company Deep is dedicated to the rapid advancement of human access to underwater environments, specialising in the design and manufacture of modular subsea habitats that allow scientists and researchers to live and work at depth for extended periods of time.

Notable for:

- Deep created the Vanguard, an underwater habitat prototype designed to allow researchers and scientists to live underwater for weeks.
- In March 2026, Deep chose Tennessee Reef within the Florida Keys National Marine Sanctuary for the deployment of its pilot subsea human habitat, Vanguard – marking the first open-ocean deployment of its kind in the US in 40 years.
- Deep began testing its Vanguard modular habitat in April 2026 at its chosen site in the Florida Keys.



Deployable Energy

HQ:	United States
Employee Count:	11-50
Year Founded:	2025

Founded with the desire to make nuclear energy a product, not a project, Deployable Energy develops compact, affordable nuclear battery systems.

Notable for:

- In September 2025, Deployable Energy partnered with Lloyd’s Register on shipboard micro-nuclear reactors with plans to pilot maritime deployments within the decade.
- Deployable Energy was selected to join the US Department of Energy’s Nuclear Energy Launch Pad programme in May 2026, giving it access to national laboratory expertise and facilities to support development of its microreactor.
- Deployable Energy has secured up to \$10 BN in letters of intent from potential customers.



EVI Safety Technology

HQ:	Netherlands
Employee Count:	11-50
Year Founded:	2024

EVI Safety Technology is the developer of a specialised AI-powered software platform designed for incident investigation and operational risk prevention. Its core focus is on transforming standard post-incident procedures into predictive hazard management protocols.

Notable for:

- EVI Safety Technology partnered with Eyesea in December 2025 to create an AI system to detect and report lost containers overboard, using standard onboard cameras.
- Also in December 2025, the company secured partnerships with Gemiyap and North West Maritime BV, aiming to strengthen safety at sea.
- In April 2026, EVI Safety Technology was shortlisted as a finalist in the NL Startup Competition x Draper 2026 in the port and maritime category.



EcoNavis Solutions

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2024

EcoNavis is a developer of retrofit-ready maritime technologies aimed at improving vessel fuel efficiency and reducing emissions. The company’s flagship product is the Eco Boss Cap, a patented propeller hub cap designed to eliminate hub vortex cavitation, increase thrust efficiency, and cut fuel consumption and underwater noise.

Notable for:

- In March 2026, EcoNavis introduced an online savings estimator to support shipowners and operators in preliminarily assessing the fuel-saving potential of an Eco Boss Cap retrofit.
- EcoNavis secured grant funding from Scottish Enterprise in April 2026 to advance its Flettner-type rotor sail technology into the testing phase.
- Also in April 2026, EcoNavis introduced a new rotor technology designed to optimise wind-assisted propulsion for vessels.





Fintraffic

HQ:	Finland
Employee Count:	1K-5K
Year Founded:	2019

Fintraffic offers 24/7 monitoring of passenger and cargo vessels that sail through Finland’s coastal waters to ensure vessel traffic safety.

Notable for:

- In January 2026, a new digital CO₂ monitoring tool was officially launched as part of the Sustainable Flow project.
- Starting February 2026, Fintraffic and the Port of Hanko piloted a new departure permission system aimed at improving safety and traffic flow.
- As of March 2026, the NELSON project, of which Fintraffic is one of the ten partners behind it, had made several advancements in its mission to modernise maritime navigation and improve ship and shore data exchange.



Flocean

HQ:	Norway
Employee Count:	11-50
Year Founded:	2024

Flocean specialises in subsea desalination solutions which utilise natural hydrostatic pressure at depths of 400-600 m, driving reverse osmosis processes and reducing energy consumption by 30% to 50% compared to traditional land-based desalination plants.

Notable for:

- In June 2025, Flocean finalised plans to launch the first commercial subsea desal plant in Mongstad, Norway.
- Xylem became a strategic backer for Flocean’s Series A funding in November 2025, extending the funding to \$22.5 M.
- In April 2026, Flocean transported its 22-tonne *Flocean One* subsea desalination system to Mongstad to be deployed at a depth of 500 m, following successful testing of a smaller system at the site for 17 months.



Gigablue

HQ:	United States
Employee Count:	11–50
Year Founded:	2022

New York-based climate technology company Gigablue develops methods for marine carbon dioxide removal. It specialises in microalgae carbon fixation and sinking (MCFS) technology designed to catch atmospheric carbon from the ocean.

Notable for:

- In September 2025, Gigablue's MCFS methodology was approved by the Puro.earth advisory board, allowing for projects using this approach to be certified under the Puro Standard.
- Also in September 2025, Gigablue unveiled a next-generation remotely operated vehicle to support its monitoring, reporting and verification framework for marine carbon removal.
- In January 2026, the company announced that it had raised \$20 M in Series A funding during the World Economic Forum in Davos.



Hafnia

HQ:	Singapore
Employee Count:	1K–5K
Year Founded:	2019

Formed as a result of a merger between BW Tankers and Hafnia Tankers in 2019, Hafnia is a global tanker company which manages a fleet of approximately 200 vessels. Additionally, Hafnia offers a fully integrated shipping platform that covers technical management, commercial and chartering services and more.

Notable for:

- In July 2025, Hafnia, alongside other shippers accounting for 20% of bunkering volume in the Amsterdam-Rotterdam-Antwerp area, formed a self-regulating bunker initiative aimed at making the bunkering market more transparent.
- In October 2025, Hafnia collaborated with DNV on a pilot project to measure and manage Underwater Radiated Noise from its vessels.
- As of May 2026, early deployment of AI system Complexio, a joint venture between Hafnia and Simbolo, had already improved response times in commercial and financial operations, with wider deployment planned through 2027.



HavocAI

HQ:	United States
Employee Count:	201-500
Year Founded:	2024

HavocAI is a provider of AI-driven solutions designed to enhance risk management and decision-making in the maritime sector. Its platform offers real-time monitoring, predictive analysis, and risk assessments to allow for smarter, data-informed decisions.

Notable for:

- In October 2025, HavocAI raised \$85 M in funding from new and existing investors, bringing its total funding to nearly \$100 M.
- HavocAI executed the world’s first successful air-sea autonomy mission in a GPS-denied environment in December 2025.
- In March 2026, HavocAI acquired Mavrik and Teleo to strengthen its capabilities in collaborative autonomy.



LedgID

HQ:	Cyprus
Employee Count:	2-10
Year Founded:	2025

Founded only last year, LedgID aims to enable secure identity, compliance and maritime data exchange through its blockchain-based platform.

Notable for:

- In February 2026, LedgID and IDsure announced the development of a secure digital vault infrastructure for verifiable and GDPR-proof sharable personal data for seafarers.
- LedgID secured separate partnerships with Navarino and VIKAND to build a more connected digital ecosystem for seafarers focused on operational compliance, professional identity and future healthcare integration at sea.
- In June, LedgID became the first signatory to the BIMCO Seafarer Digital Certificate Charter, showcasing its commitment to common standards for the secure, portable and verifiable management of seafarers’ credentials.



Minke Marine

HQ:	United States
Employee Count:	2-10
Year Founded:	2023

Minke Marine specialises in low-cost air lubrication solutions to help decarbonise the maritime industry.

Notable for:

- Minke Marine developed an air lubrication system different to what is currently available in the market, as it does not require compressors or blowers, lessening the installation burden.
- In February 2026, Minke Marine's patented Minke air lubrication system received its second-class society approval in principle from ClassNK.
- Following a ten-month trial aboard Saga Shipping's vessel Saga Future, Minke Marine announced in March 2026 that its patented air lubrication system has delivered a 7% fuel saving and significant emissions reductions.



NatPower Marine

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2022

NatPower Marine is helping to reduce maritime emissions through its comprehensive energy transition-as-a-service solutions, catering to shipping lines, port authorities, and cargo owners.

Notable for:

- In September 2025, NatPower Marine, as part of a joint venture with Wah Kwong Maritime Transport, formed Asia's first zero-emission port power venture, Wah Kwong NatPower Holdings.
- Also in September 2025, the UK government announced a roughly \$1.5 BN investment in the maritime sector, including a \$330 M contribution from NatPower Marine toward shore power technology.
- The company also signed a memorandum of understanding with Athenian Sea Carriers to develop shore power and electric fuel charging infrastructure.



NeptuneZero

HQ:	Greece
Employee Count:	2-10
Year Founded:	2024

NeptuneZero provides an automated data collection and validation system designed to digitise vessel operations, assisting shipowners through its Automated Noon Report (ANR) that uses high-frequency sensor data to replace manual reporting.

Notable for:

- In October 2025, NeptuneZero became an associate member of INTERCARGO, committing to supporting the dry bulk shipping sector with its AI-powered digital solutions.
- NeptuneZero also became an official member of BIMCO in December 2025 with the aim of leveraging its membership to collaborate with industry stakeholders and contribute toward a more intelligent and sustainable future for shipping.
- In May 2026, NeptuneZero secured \$540,000 in seed funding to accelerate the development of its maritime reporting and fleet performance platform.



Newlight

HQ:	United States
Employee Count:	2-10
Year Founded:	2023

Newlight’s digital platform is designed to support the maritime industry in its mission to decarbonise. It offers stakeholders access to data, insights and collaborative tools aiming to reduce emissions and improve sustainability performance.

Notable for:

- In August 2025, Newlight was recognised by PLANETech Climate Change Technologies as one of the top early-stage startups within the climate tech sector.
- Newlight completed Factory Acceptance Testing (FAT) for its hydrogen retrofit package for two- and four-stroke main engines in November 2025, validated by RINA.
- In February 2026, Newlight, alongside partners AURELIA, Iomarlabs and Lomar Shipping, received the Hydrogen Innovation award from RINA.



Nextport

HQ:	Spain
Employee Count:	11-50
Year Founded:	2022

Nextport, the technology and innovation brand of Moffatt and Nichol, designs and implements AI-driven digital twin solutions for ports and terminals.

Notable for:

- In June 2025, together with the Port Authority of Algeciras Bay (APBA), Nextport began working on a project to protect marine animals in the Strait of Gibraltar, for which Nextport developed an app to track and report sightings of dolphins and whales in the area.
- Nextport released NXP Terminals v1.5 in July 2025, improving the platform by streamlining user interaction and aiming to make terminal operations more intuitive, insightful and responsive.
- In March 2026, Nextport launched an upgraded version of its digital twin platform, Nextport 2.0, designed to enhance port and terminal operations through real-time data and predictive insights.



Nihon Shipyard

HQ:	Japan
Employee Count:	201-500
Year Founded:	2021

Established in 2021 as part of a joint venture between Imabari Shipbuilding Co. Ltd and Japan Marine United Corporation, Nihon Shipyard has contributed towards the growing fleet of global vessels capable of operating on alternative fuels.

Notable for:

- Advancing the decarbonisation of shipping through the construction of alternative fuel-capable vessels.
- In December 2025, Nihon Shipyard signed a memorandum of understanding alongside six other Japanese maritime companies to establish a standard design framework for liquefied CO2 carriers and alternative fuel ships.
- Also in December 2025, ClassNK granted Nihon Shipyard and Hankuk Carbon for their spray form insulation system, which is specifically designed for use with LNG and ammonia fuel in IMO Type B tanks.



Ocean Infinity

HQ:	United States
Employee Count:	501-1K
Year Founded:	2017

Ocean Infinity designs, builds and operates robotic and uncrewed systems to perform work at sea. The company combines advanced robotics, software and deep operational experience to enable a safer, smarter and more environmentally friendly solution.

Notable for:

- In July 2025, Ocean Infinity unveiled its high-speed autonomous patrol vessel, the *Needlefish*, capable of 40 knots and designed to assist in the surveillance, mapping and surveying of Kuwait waters.
- Ocean Infinity completed its 14-vessel Armada fleet in December 2025 with the delivery of its 86-meter class, designed to support offshore operations.
- In January 2026, Ocean Infinity contracted Vard to design and build four multi-purpose robotic vessels, with the contract value exceeding \$220 M.



Oceanic Constellations

HQ:	Japan
Employee Count:	11-50
Year Founded:	2023

Oceanic Constellations develops and operates unmanned surface vehicles (USVs) with a core focus on high-frequency, wide-area data acquisition that supports areas such as disaster prevention and maritime security surveillance.

Notable for:

- Oceanic Constellations raised roughly \$13.7 M in January 2026 as part of a Series B1 funding round to support the commercialisation of its waterborne drone vessels.
- In February 2026, NYK invested in Oceanic Constellations to support large-scale production of unmanned surface vehicles for ocean surveillance, disaster prevention, and maritime communications.
- The company signed a strategic supply chain partnership in March 2026 to support the large-scale development and deployment of its USV programme.



Oceanly

HQ:	Italy
Employee Count:	11-50
Year Founded:	2022

Oceanly offers advanced data analytics, fleet management, and compliance tools that help shippers to optimise their operational performance, improve fuel efficiency and streamline processes.

Made up of a team of sailors, naval engineers and architects, consultants and developers, Oceanly's vision is to facilitate the shipping industry's journey to net-zero.

To achieve this, the company offers a selection of tools, including Oceanly Performance, a cloud-based and flexible platform that collects and reports vessel data to help optimise performance; Oceanly Enterprise, a maritime ERP platform that acts as a foundation for process control and operational optimisation onboard vessels, and Oceanly ShapoLi, which manages power maintenance in line with the EEXI limit.

In September 2025, Oceanly launched its Emissions Control and Operational Performance Assessment and Compliance (ECOPAC) tool to help shippers operating within the Baltic Sea to standardise fuel emissions reporting.

The Baltic Sea is a focal point for maritime environmental policy, having been designated a Special Area under multiple MARPOL annexes. With this in mind, Oceanly's ECOPAC helps shippers operating in the region to improve operational efficiency while meeting regulatory requirements.

Also in September, Oceanly partnered with digital engineering firm Nagarro to deliver AI-driven solutions aimed at improving fleet performance and operational efficiency in maritime.

The partnership combines Oceanly's maritime data systems with Nagarro's capabilities in AI, ERP integration, and large-scale software projects. In line with Oceanly's ambition to future-proof shipping, the partnership also focused on upgrading legacy PMS, CMMS and procurement systems to the company's cloud-based platform, with Oceanly's existing data collection tool integration.

In February 2026, Skarv Shipping chose Oceanly's fleet performance and reporting platform to improve operational efficiency and data visibility across its fleet. Utilising Oceanly's technology allows Skarv Shipping to integrate sensor data directly into vessel reporting and to create a consistent data layer across its fleet.





Ofiniti

HQ:	Norway
Employee Count:	11–50
Year Founded:	2024

Specialising in digital tools to enhance bunkering operations, Ofiniti operates within the classification society DNV to deliver a comprehensive platform that simplifies scheduling, deliveries, documentation and regulatory compliance for the bunker fuel market.

Notable for:

- As of December 2025, the company announced that its digital platform was used in more than 25,000 bunker operations that year, demonstrating widespread adoption across the industry.
- Ofiniti raised \$6.8 M in March 2026 to scale its digital bunkering platform globally.
- In May 2026, Ofiniti acquired maritime intelligence company Teqplay to expand its platform with enhanced vessel tracking, port call, and maritime data capabilities.



Online Oceans

HQ:	United Kingdom
Employee Count:	11–50
Year Founded:	2025

Online Oceans specialises in low-cost, solar-electric autonomous surface vessels that support maritime research. It offers modular payload configurations, including AI-powered acoustic monitoring, subsea data harvesting, and metocean sensing, through a “data-as-a-service” or outright purchase model.

Notable for:

- In April 2026, the company raised around \$5 M in funding to scale its autonomous maritime platform for defence and security applications.
- Also in April, Sofar Ocean launched *Spotter Scout*, an uncrewed surface vehicle built by Online Oceans, to enable persistent ocean sensing in remote and deep-water locations.
- In May 2026, Online Oceans noted that demand for its product was outpacing manufacturing capacity.



Oshen

HQ:	United Kingdom
Employee Count:	2–10
Year Founded:	2022

Specialised marine autonomy provider Oshen delivers navigable autonomous micro-vessels to support ocean research.

Notable for:

- In September 2025, Oshen, in collaboration with NOAA and the University of Southern Mississippi, successfully deployed small wind-powered C-Star ocean robots into Hurricane Humberto to collect and transmit real-time wind, pressure and ocean data.
- As part of a new UK-backed ten-month programme launched in February 2026, Oshen’s C-Star micro-drones were deployed across a ten-square-mile area to monitor sub-surface assets.
- In May 2026, Oshen’s C-Star micro-drones gathered data as part of a 30-day mission to gather ocean data.



Persona AI

HQ:	United States
Employee Count:	51-200
Year Founded:	2024

Persona AI’s humanoid robots are engineered to carry out physically intensive and high-risk tasks in sectors including shipbuilding. Each unit is able to be configured for specific roles like welding, assembly or material handling.

Notable for:

- The American Bureau of Shipping (ABS) partnered with Persona AI in September 2025 to develop data on the potential use of Persona AI’s robots in a shipbuilding environment.
- In December 2025, POSCO Group invested \$3 M in Persona AI to contribute toward the development of its humanoid robots.
- HD Hyundai, through HD Hyundai Robotics and HD Korea Shipbuilding & Offshore Engineering, partnered with Persona AI to develop and commercialise AI-powered humanoid welding robots for shipbuilding.



Poseidon’s Forge

HQ:	United States
Employee Count:	2-10
Year Founded:	2025

Digital tool developer Poseidon’s Forge’s solutions focus on enabling better decision-making within the maritime industry through data and analytics. The company’s solutions help to support shipowners and operators in managing performance and compliance.

Notable for:

- In March 2026, Poseidon’s Forge launched its AI-driven, autonomous underwater vehicle designed for scalable operations across defence and commercial sectors.
- Also in March 2026, Poseidon’s Forge partnered with electric motor designer ECM PCB Stator Tech to advance propulsion solutions for the maritime industry.
- In May 2026, Poseidon’s Forge sold its DarkWave autonomous underwater vehicle to Booz Allen Hamilton, highlighting the growing demand for scalable, software-defined autonomous solutions.





Pyxis

HQ:	Singapore
Employee Count:	2-10
Year Founded:	2022

Pyxis was created with the aim of revolutionising the maritime industry through sustainable solutions. It specialises in the design and manufacturing of 100% electric harbour craft. Its flagship product, the Pyxis One, combines high performance with zero emissions.

Notable for:

- Following the launch of Singapore’s first commercial solar-electric ferry in March 2025, Pyxis announced in July 2025 that it had deployed three of ten vessels.
- In January 2026, MOL PLUS, part of MOL Group, invested in Pyxis to help drive the development of electrification.
- In April 2026, Pyxis announced a total of \$14 M as part of its growth funding to support future growth.



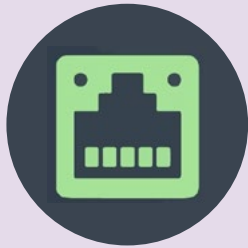
Quvia

HQ:	United States
Employee Count:	201-500
Year Founded:	2019

Quvia offers an AI-driven platform designed to optimise vessel performance, reduce emissions and enhance operational decision-making in the marine environment.

Notable for:

- In April 2025, Quvia partnered with Telenor Maritime to explore how AI could optimise Telenor’s backhaul performance and enhance digital experiences for crew and passengers.
- Ambassador Cruise Line expanded its use of Quvia’s connectivity management platform in January 2026, supporting the management and optimisation of onboard communications infrastructure.
- In March 2026, Quvia Sync, a tool designed for large-scale edge and cloud data synchronisation, was launched to help move data efficiently without disruption.



Shipsider

HQ:	Turkey
Employee Count:	2-10
Year Founded:	2024

Founded in Turkey’s largest technology development zone, Shipsider is a software developer focused on simplifying maritime commercial operations through smart, modular AI systems.

Notable for:

- Simplifying maritime commercial operations, reducing the burden of ship operators on complicated tasks to save time, money and help operators manage their emissions.
- In September 2025, Shipsider secured first place, a first for Turkey, at the Global Cleantech Innovation Programme (GCIP) final, reflecting the country’s rising international position in sustainable technologies.
- Shipsider entered into a strategic partnership with MarinaChain in November 2025, combining Shipsider’s SaaS solutions for voyage data, emissions tracking and commercial operations with MarinaChain’s AI platform.



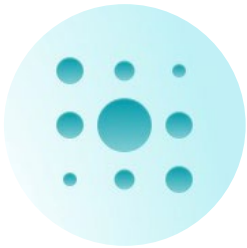
Saronic Technologies

HQ:	United States
Employee Count:	1K-5K
Year Founded:	2022

Texas-based Saronic Technologies specialises in designing and building unmanned surface vehicles (USVs). The company combines hardware, software and AI into a single scalable, fully integrated platform to help support critical maritime missions.

Notable for:

- In April 2026, the company became one of the first to test Path Robotics’ robotic welding platform, Rove, in vessel production.
- In May 2026, Saronic launched the first 180-ft Marauder medium USV, which is built for long-range naval and commercial missions.
- Saronic partnered with Lloyd’s Register (LR) in May 2026 in an effort to align autonomous vessel technology with regulatory requirements, aiming to support the safe deployment and certification of autonomous maritime systems.



Signal Fusion

HQ:	United States
Employee Count:	2-10
Year Founded:	2022

Signal Fusion merges voice analytics, behavioural science, and AI to provide predictive intelligence for the maritime industry to help prevent accidents and protect lives.

Notable for:

- Enhancing maritime safety by making human performance measurable through evidence-based behaviour analytics.
- In January 2026, Signal Fusion partnered with Lomar Shipping via its venture arm lomarlabs to pilot predictive behavioural analytics with the aim to improve performance and safety of Lomar’s operations.
- Signal Fusion collaborated with Navarino in May 2026 to utilise its human-factor risk visibility system to help shipping companies identify early indicators of crew-readiness concerns.



Skana Robotics

HQ:	Israel
Employee Count:	11-50
Year Founded:	2024

Skana Robotics is a developer of adaptable, intelligent software solutions that combine surface, subsurface and amphibious platforms into a unified operational environment.

Notable for:

- In September 2025, Skana Robotics launched its Bull Shark unmanned surface vessel, which is launchable from docks, beaches or larger vessels.
- Skana Robotics also launched its Stingray autonomous underwater vessel in September 2025, powered by the company’s SeaSphere and Vera platforms.
- In December 2025, Skana Robotics delivered an AI-powered upgrade to the algorithms of its SeaSphere fleet management platform, enabling fleets to share data, adapt missions in real time and protect underwater infrastructure.



SmartSea

HQ:	Cyprus
Employee Count:	51-200
Year Founded:	2024

SmartSea is a joint venture between SITA and Columbia Shipmanagement (CSM), established to bring proven aviation-industry technology and expertise into maritime operations.

The company's integrated SmartSea Vision platform and comprehensive services portfolio are designed to enhance operational efficiency and streamline ship management. Its offering includes IT vessel management, onboard and shoreside IT infrastructure, navigation and communications systems, and connectivity solutions for onshore and offshore operations.

SmartSea also provides cybersecurity, advanced cargo information, vessel performance and optimisation technology, and baggage and passenger-processing solutions. Its modern maritime platform integrates resource management, crewing and technical maintenance capabilities within a connected operational environment.

In April 2025, SmartSea announced its role in the development of AROYA, the first Arabian cruise line. Its involvement began when still operating under SITA in 2023, with a comprehensive assessment of the vessel's IT infrastructure and cybersecurity systems, followed by work to strengthen its infrastructure, connectivity and critical systems in preparation for an extensive modernisation programme.

The AROYA modernisation included the installation of more than 2,000 wireless access points to provide reliable onboard Wi-Fi connectivity, enhanced cybersecurity measures to protect digital assets, and the full integration of the vessel's passenger-processing systems.

In November 2025, SmartSea expanded its maritime offering with two digital platforms designed to improve crew management and safety at sea. Its FacePod mobility system uses AI-assisted biometric verification to streamline crew travel from home to vessel, reducing administrative delays and improving operational efficiency. SmartSea also developed an AI-powered health, safety and environment (HSE) platform that monitors operational safety risks in real time.

In March 2026, SmartSea was awarded a strategic Information Technology Outsourcing (ITO) contract by Saudi Arabia's Maritime Company for Navigation, giving SmartSea responsibility for managing the company's IT infrastructure.



Starlink

HQ:	United States
Employee Count:	1K-5K
Year Founded:	2019

Powered by SpaceX’s large constellation of Low Earth Orbit (LEO) satellites, Starlink Maritime delivers high-speed, low-latency internet service at sea, including coverage in international waters.

Notable for:

- In September 2025, Starlink’s satellite service was selected for deployment at HD Hyundai’s shipbuilding sites, with a plan to create a smart work environment, enhance worker safety and improve overall working conditions in the shipyard.
- In October 2025, Starlink was picked to power an integrated autonomous ship system being developed and commercialised by Avikus and SK Telink.
- In February 2026, Starlink rolled out LEO satellite internet for South Korea’s seafarers, improving internet speeds by 50 times.



Thames Freeport

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2023

Backed by a consortium of maritime leaders, including DP World and Forth Ports, Thames Freeport is a designated Freeport tax site that encompasses the UK ports of Tilbury and DP World London Gateway, as well as car manufacturer Ford’s Dagenham plant.

Notable for:

- In September 2025, Thames Freeport launched a global innovation programme aimed at advancing AI-driven growth in the UK.
- Thames Freeport announced in April 2026 the winners of that project, with extended pilots confirmed at the Port of Tilbury with companies such as Aible and Allread, as well as Streamwide.
- In June 2026, Thames Freeport hosted the Port of Tilbury’s Hydrogen Hub event, which focuses on hydrogen-powered maritime charging and decarbonisation across ports.



Vanguard Tech

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2022

Vanguard Tech is a tech-led risk mitigation and loss prevention company that helps organisations understand, manage, respond to and recover from maritime risk.

Notable for:

- Spot Ship and Vanguard Tech partnered in July 2025 to enhance digital capabilities and improve operational efficiency across shipping workflows.
- In August 2025, Vanguard Tech launched a first-of-its-kind digital Company Security Officer (CSO) solution to manage risks in the Southern Red Sea and Gulf of Aden.
- In September 2025, Philippine Transmarine Carriers (PTC) became the first crewing firm in the Philippines to adopt Vanguard Tech's digital safety platform.



Voltai

HQ:	Canada
Employee Count:	2-10
Year Founded:	2022

Voltai develops energy-dense generators that harvest energy from motion, aiming to support sustainable energy production in the maritime industry.

Notable for:

- In October 2025, Voltai closed its pre-seed funding round, raising \$1.3 M to accelerate the development of its energy-capture technology.
- Voltai was selected to be a part of the Centre for Ocean Applied Sustainable Technologies' (COAST) Innovation Challenge in May 2026, where it was tasked with delivering rapidly deployable, modular, and scalable energy solutions.
- As part of the COAST Innovation Challenge, Voltai integrated and tested its WaveNexus system in a near-shore environment to generate performance and emissions-reduction data to explore how wave energy can work as part of a hybrid microgrid.



Waiv Robotics

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2026

Waiv Robotics specialises in the development of autonomous drone landing systems for vessels, specifically a precision autonomous launch and recovery system for Vertical Take-Off and Landing (VTOL) unmanned aerial vehicles (UAVs).

Notable for:

- Waiv Robotics emerged from stealth in May 2026, bringing its autonomous UAV landing infrastructure to the public market.
- In May 2026, Waiv Robotics raised \$7.5 M in seed funding to develop its autonomous UAV landing infrastructure.
- Off the back of this funding, Waiv Robotics launched its fully automated, gyro-stabilised landing and take-off platform for VTOL drones operating at sea.



Windcoop

HQ:	France
Employee Count:	2-10
Year Founded:	2022

Windcoop harnesses wind energy to help ships significantly reduce carbon emissions and fuel consumption. The company operates on a cooperative model that allows individuals, businesses and communities the opportunity to advance low-carbon shipping. Its flagship container vessel is set to hold 210 TEU.

Notable for:

- In December 2025, construction of Windcoop's 91-metre wind-powered containership, *Miaraka*, began in Turkey.
- Also, as of December 2025, Windcoop had amassed over 2,000 members within its cooperative.
- Windcoop secured a \$30 M blue loan in March 2026 to finance the construction of the *Miaraka*. The ship is due to sail from summer 2027 across a Marseille-Madagascar route.



Zero USV

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2024

Zero USV is a specialist in the development and deployment of fully autonomous uncrewed surface vessels (USVs) for long-distance maritime operations.

Notable for:

- In October 2025, Zero USV, alongside Marine AI and the UK Hydrographic Office (UKHO), launched a world-first research project in Plymouth designed to enable autonomous vessels to interpret and act on official navigation data without human intervention.
- Zero USV launched its 12 m Oceanus12 USV in November 2025, a world-first milestone, showcasing the modular capabilities of its Oceanus platform.
- In February 2026, Zero USV joined a ten-month project to test how autonomous fleets can support secure underwater operations.



zero44

HQ:	Germany
Employee Count:	11-50
Year Founded:	2022

Supporting shipping’s decarbonisation journey digitally, zero44 offers an emissions management platform that streamlines compliance with the EU ETS, FuelEU and CII regulations and optimises users’ decision-making processes.

Notable for:

- In October 2025, zero44 entered into a partnership with 123Carbon to offer a unified system for tracking and allocating carbon reductions in shipping.
- Also in October 2025, zero44 received support from the BlueInvest initiative to develop cost-effective solutions for greener shipping.
- In March 2026, zero44 and Hecla Emissions Management partnered to offer a combined solution for FuelEU Maritime pooling.

TOP150

SMEs

Thetius defines small and medium-sized enterprises (SMEs) as companies that have a minimum age of five years and a maximum employee count of 250.

A total of 50 SMEs have been profiled within this report.



Most innovative SMEs

Foreword

Shipping is in transition. Fuels, regulation and the burden of proof are changing at once. No company navigates it alone. Small and medium-sized enterprises (SMEs) move first, close enough to the deck to see the problem, agile enough to fix it. Shipping companies need trusted partners for a compliant voyage.

Petros Achtypis

Chief Executive Officer



PREVENTION AT SEA

Every stakeholder shares the duty of keeping ship and crew safe, easing workflows and having compliance evidence ready.

Somewhere tonight a chief officer is awake at 03:00, not because the sea demands it but because a spreadsheet does. Numerous data sits in disconnected systems. He is not short of data. He is short of a system that connects them. When SIRE 2.0, TMSA, DryBMS and RISQ ask for proof on demand, silos leave good people defending good work with the wrong tools.

Drawing on more than ten years in maritime technology and vetting, we developed the MORSE compliance platform to end that fragmentation, bringing SMS, crew documentation and vetting readiness into one connected environment shared by ship and shore, telling Masters and shore staff what is needed to stay compliant and carrying findings to verified closure.

Safety is a two-way traffic. It cannot rest on shipping companies and crew alone while commercial pressure is real. Every stakeholder shares the duty of keeping ship and crew safe, easing workflows and having compliance evidence ready. MORSE is here to support that shared responsibility.

What is shipping's strongest safeguard? Undoubtedly, it is the human element. For more than eight years, we have used virtual reality to assess behaviour, not only records, an approach now central to SIRE 2.0. We excel at forming personality and skills profiles of seafarers, turning every immersive session into continuous professional development.

Compliance is not paperwork. It is a promise by all stakeholders, including regulators, leaders and SMEs, that everyone comes home.

The Thetius Top 150 celebrates the SMEs driving this transition. We are proud to stand among them.



ACUA Ocean

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2021

ACUA Ocean develops and deploys hydrogen-powered uncrewed surface vessels (USVs) equipped with advanced sensors and edge-based processing to support a variety of applications, including subsea surveying and asset integrity monitoring.

Notable for:

- In September 2025, ACUA Ocean announced plans to build the second Pioneer-class USV with Aluminium Marine Consultants following the certification of the first USV Pioneer by Lloyd's Register in August 2025.
- ACUA Ocean secured a European Space Agency contract with the UK Space Agency in October 2025 to advance nested robotic systems for subsea inspection.
- In March 2026, ACUA Ocean launched FleetMind, an integrated platform monitoring system for autonomous vessels designed to fill the gap in medium- and large-USV management capabilities.



Amogy

HQ:	United States
Employee Count:	51-200
Year Founded:	2020

Amogy is a clean energy technology provider that develops ammonia-to-power systems to help decarbonise maritime and other sectors. Its proprietary technology 'cracks' liquid ammonia to produce hydrogen to power fuel cells.

Notable for:

- In July 2025, Amogy secured \$23 M in funding to expand its maritime products and enable it to enter into the Asian market.
- Amogy signed a partnership agreement with KBR in September 2025 to advance ammonia-to-hydrogen technology, integrating Amogy's Ruthenium catalysts into KBR's hydrogen production systems for offshore use.
- In January 2026, Amogy joined with Vinssen and Samsung Heavy Industries to develop an ammonia-to-power pack for ships designed to replace diesel generators.





Amon Maritime

HQ:	Norway
Employee Count:	2-10
Year Founded:	2019

Amon Maritime is a maritime project development company with a focus on zero-emission shipping, taking a holistic approach to ship technology, bunkering logistics, business cases and financing.

Notable for:

- In July 2025, Amon Maritime formed a joint venture with Navigator Gas called Navigator Amon Shipping to build two new ammonia-fuelled gas carriers.
- Amon Maritime also launched another venture, Amon Bulk, in September 2025 to further the development of ammonia-fuelled bulk carriers.
- In December 2025, Amon Maritime was awarded investment grants amounting to \$31 M, which the company put towards three new Kamsarmax vessels designed to incorporate energy-efficient and low-emission technologies.



Anemoi Marine Technologies

HQ:	United Kingdom
Employee Count:	51-200
Year Founded:	2015

Anemoi Marine Technologies, also known as Anemoi, develops wind-assisted ship propulsion technology to support the maritime sector on its decarbonisation journey.

Notable for:

- In August 2025, Anemoi Marine Technologies received \$1.6 M in funding from the UK Clean Maritime Demonstration Competition to develop and test a prototype folding system for the company's 3.5 m Rotor Sail.
- ClassNK approved Anemoi's rotor sail technology, supporting the deployment of wind-assisted propulsion systems on commercial vessels.
- In April 2026, Anemoi Marine Technologies and Nantong COSCO KHI Ship Engineering developed two new rotor sail integration concepts for 60,000-65,000 dwt Ultramax bulkers utilising Anemoi's latest-generation Rotor Sail.



Avikus

HQ:	South Korea
Employee Count:	51-200
Year Founded:	2021

Avikus develops AI-powered autonomous navigation systems for commercial and recreational vessels, enabling safer, more efficient operations.

Notable for:

- In October 2025, ABS awarded a statement of compliance certificate to Avikus for the fuel-saving verification framework developed for its HiNAS Control system.
- Avikus secured the largest contract of its kind to supply South Korea’s top carrier, HMM, with its AI-based solution to 40 vessels in January 2026.
- In April 2026, Avikus received DNV type approval for its HiNAS Control autonomous navigation system, validating its compliance with classification standards and supporting its deployment for enhanced vessel navigation and operational efficiency.



AYK Energy

HQ:	Andorra
Employee Count:	51-200
Year Founded:	2018

AYK Energy is an energy storage systems provider for marine and industrial applications, committed to optimising safety and reliability.

Notable for:

- In November 2025, AYK Energy completed a battery renewal deal for four Svitzer hybrid tugs, with the new batteries offering twice as much energy density as the original batteries and providing greater power and range.
- AYK Energy secured a contract in March 2026 to supply a 16 MWh battery system on a polar research ship, marking the largest battery ever installed on an ice class vessel.
- In April 2026, AYK Energy marked further progress in the shift toward electric-powered harbour operations, having supplied a 6MWh battery system for the electric-methanol tug, Svitzer Balder, which completed sea trials ahead of delivery to Port of Gothenburg.



BAR Technologies

HQ:	United Kingdom
Employee Count:	11–50
Year Founded:	2017

BAR Technologies is a marine engineering company that provides a wide range of design and engineering consultancy services and is a leader in wind propulsion systems.

Notable for:

- In July 2025, BAR Technologies received an order to deploy its WindWings technology on two LR2 dual-fuel tankers, marking one of the first large-scale wind deployments on this vessel class.
- Following a technical review, Bureau Veritas Marine & Offshore confirmed BAR Technologies' calculation of the wind power generated by WindWings installed on LR2 tankers, finding that BAR Technologies' calculation aligned with IMO's guidance for innovative energy-efficiency technologies in March 2026.
- In June 2026, BAR Technologies signed a three-year agreement with HD Hyundai to integrate WindWings rigid sail technology into new vessel designs in an effort to expand wind-assisted propulsion across a wide range of ship types.



bound4blue

HQ:	Spain
Employee Count:	51–200
Year Founded:	2014

bound4blue is a cleantech company that specialises in automated wind-assisted propulsion systems for maritime vessels.

Notable for:

- In September 2025, bound4blue's wind propulsion system force matrix calculation methodology was validated by Lloyd's Register.
- The company raised \$44 M in funding to scale up production of its suction sail systems in December 2025.
- Over the past year, bound4blue has installed its technology on numerous vessels including: a 22 m eSAIL on Amasus Shipping's *Fluvius Tavy* in December 2025; two 24 m eSAILs on Klaveness Combination Carriers' *MV Baltazar* in April 2026; three 22 m eSAIL units on MR tanker *Pacific Sunstone* in March 2026 and for Maersk Tankers in January and April 2026.



Cetasol

HQ:	Sweden
Employee Count:	11-50
Year Founded:	2021

Cetasol develops AI-powered decision-support software for maritime operators to offer real-time visibility and insights needed to reduce fuel consumption, cut emissions and run operations more efficiently.

Notable for:

- In July 2025, Cetasol enhanced its AI-powered iHelm platform with Emission Report 2.0 and Trip Log, providing verified data and a clear overview of vessel activity.
- Cetasol also launched Cloud Dashboard 2.0, an upgraded version of its iHelm decision support platform, offering advanced features for efficient decision-making.
- In January 2026, Cetasol introduced Ceta AI, an AI agent designed to convert operational data into actionable insights for vessel operators.



Coneksion (formerly Youredi)

HQ:	Finland
Employee Count:	11-50
Year Founded:	2010

Coneksion provides fully managed data integration services for global supply chains, offering a cloud-based B2B data integration service that includes onboarding, data processing and various support models.

Notable for:

- In June 2025, Coneksion partnered with Carho Produce to enhance the platform’s connectivity with major ocean carriers, like Maersk and MSC, using its RAPIDS Ocean Freight Connectivity solution, enabling faster onboarding through Coneksion’s Common Carrier Layer.
- Also in June 2025, Coneksion strengthened a pre-existing integration with Hapag-Lloyd by enhancing its Commercial Vessel Schedules API, improving access to real-time and enriched vessel schedule data.
- Hapag-Lloyd and Coneksion collaborated again in February 2026 to provide live vessel position visibility directly to SAP users, improving operational visibility across maritime logistics workflows.

Cydome



HQ:	United Kingdom
Employee Count:	11–50
Year Founded:	2019

Cydome is a specialist maritime cybersecurity provider, offering an end-to-end platform designed to protect vessel IT and operational technology infrastructure.

Notable for:

- In June 2025, Cydome joined the NVIDIA Inception Program for maritime and critical infrastructure, which will leverage the latest technologies to ensure protection from AI threats.
- Cydome launched a free reporting tool to simplify compliance in July 2025 in response to the US Federal maritime cybersecurity rules that entered into force that month.
- In March 2026, NAVTOR undertook a widespread patching programme for its NavBox vessel data gateway after Cydome discovered and disclosed three security vulnerabilities.

Econowind



HQ:	Netherlands
Employee Count:	11–50
Year Founded:	2016

Econowind specialises in wind-assisted propulsion systems for the maritime industry, which are adaptable for various ship types and help to decarbonise ship operations.

Notable for:

- In September 2025, Japanese shipowner Nissen Kaiun invested in Econowind, helping Econowind to expand its product line and potentially produce in Asia.
- Following a successful pilot installation which showed measurable fuel savings, Chemship placed a repeat order for wind propulsion from Econowind in January 2026.
- In April 2026, Econowind launched a 30 m 5-series VentoFoil suction wing system, marking the company's expansion into the deep-sea shipping market.



FarSounder

HQ:	United States
Employee Count:	11–50
Year Founded:	2001

FarSounder produces sonar systems that help prevent property and environmental damage and has since expanded into shipboard and portside security, marine mammal protection, fisheries and ocean sustainability, as well as real-time surveying.

Notable for:

- In October 2025, FarSounder collaborated with Azura to create a Whale Spotting and Safe Vessel Operations course aimed at educating mariners on whale identification and reducing the risk of vessel collisions.
- FarSounder received a manufacturing innovation voucher from Rhode Island Commerce Corporation for research into AI-driven target recognition in its end-user sonar software in January 2026.
- In May 2026, FarSounder integrated Tocaro Blue's ProteusCore software into its SonaSoft Lt navigation platform, combining forward-looking sonar with AI-driven radar perception in a single operational display.



Fleetzero

HQ:	United States
Employee Count:	11-50
Year Founded:	2021

Fleetzero builds ships and propulsion systems aimed at reducing emissions and costs. Its Fleetzero Marine Battery System is designed for rugged marine environments, offering 2 MWh of energy storage per pack.

Notable for:

- In August 2025, Fleetzero and Glosten collaborated to design the world’s longest-range hybrid electric vessel, including a plug-in hybrid-electric propulsion system that will primarily operate on battery power.
- ABS and Fleetzero signed a memorandum of understanding in January 2026 to explore technical requirements for containerised marine battery systems, aiming to advance industry standards for zero-emission shipping.
- Also in January 2026, Fleetzero secured \$43 M in Series A funding to expand production of its vessel electrification and autonomy technology, with the company allocating the funding to the expansion of its Leviathan system.



Fluent Cargo

HQ:	Australia
Employee Count:	2-10
Year Founded:	2021

Fluent Cargo provides a multi-modal online platform that enables freight forwarders, shippers, and supply chain professionals to plan routes, compare schedules, and track shipments across sea, air, rail and road.

Notable for:

- In August 2025, Fluent Cargo launched the Global Disruption Feed in response to record-breaking US container imports, helping to provide real-time updates on disruptions in the shipping industry.
- Fluent Cargo launched an AI-powered tool, Ask Fluent, in December 2025, enabling users to query live supply chain data for improved visibility and operational efficiency.
- In February 2026, Fluent Cargo partnered with Sea Sentinel AI to enhance cargo visibility and predictive logistics capabilities, aiming to improve real-time insights and decision-making across supply chains.



FrontM

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2020

FrontM is an AI-native operating platform for maritime, built to close the gap between fragmented stakeholder groups, ship-shore operations and siloed systems and data. LEO connectivity has removed the bandwidth constraint, while FrontM supplies the orchestration layer.

It achieves this in three layers: firstly, the build environment and API set, known as Studio, through which service providers create maritime applications; Exchange, the catalogue through which fleets subscribe to applications, led by the CONNECT, ENGAGE, CARE, INFOTAIN and EDUTAIN modules; and the platform's cloud and edge infrastructure, Fabric, that ensures connectivity on constrained links at sea.

Today, the platform reaches more than 4,000 ships, with over 2,000 of them on ongoing subscriptions, with the balance converting from one-time use. FrontM's INFOTAIN solution has gained significant traction across the industry.

Hafnia's decision to adopt FrontM's infotainment technology followed a review of modern infotainment and digital engagement tools, alongside successful vessel trials. Hafnia subsequently adopted both Loft Multiplex and Loft Kiosk fleetwide, with the deployment expanded in November 2025. Meanwhile, Alassia adopted Loft Multiplex fleetwide as part of the Greek shipping company's people-first approach, while Gulf Energy Maritime and Meiji Group also completed fleetwide infotainment upgrades using FrontM's technology.

In May 2026, FrontM partnered with Home2US Communications Inc and the Philippines' leading broadcast and media company, GMA Network, to enhance the quality of life for Filipino seafarers. The partnership facilitated the 24/7 availability of GMA Network's flagship international channels through live linear streams, without additional antenna or onboard infrastructure changes.

FrontM continued its support for seafarer life in June 2026 when it relaunched onship™, the maritime superapp, aiming to reduce the fragmentation caused by the use of multiple apps for different services by ship and shore staff. Additionally, the platform features a hub for webinars, podcasts and industry discussions, known as The Bridge, as part of FrontM's efforts to improve engagement and connectivity across the workforce.





Groundup AI

HQ:	Singapore
Employee Count:	11-50
Year Founded:	2021

Groundup AI is a deep-tech company that offers a wide range of solutions for critical industries, including maritime. Its solutions help to eliminate unplanned downtime and extend asset lifespan through AI and Internet of Things (IoT) technologies.

Notable for:

- In October 2025, Groundup AI launched an agentic AI platform for cognitive maintenance, designed to autonomously detect, diagnose and resolve equipment issues.
- Groundup AI also launched a new Global Machine Benchmark system in April 2026, standardising how machinery performance is measured across fleets to support predictive maintenance and performance benchmarking.
- Also in April 2026, Groundup AI signed a \$10 M deal covering the large-scale deployment of its Cognitive Maintenance platform.



GT Green Technologies

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2021

GT Green Technologies (GT Wings) is a wind propulsion specialist, offering solutions for commercial shipping that are designed to reduce fuel consumption and greenhouse gas emissions.

Notable for:

- In February 2026, GT Wings’ patented AirWing wind propulsion system’s performance assessment was verified by Lloyd’s Register following months onboard a vessel.
- GT Wings signed a memorandum of understanding with Zunsion Technology in China to establish a strategic manufacturing partnership for its AirWing Jet Sail wind propulsion system in March 2026.
- In May 2026, GT Wings launched a new performance assessment tool to help shipowners evaluate the fuel, emissions and regulatory savings potential of its AirWing Jet Sail wind propulsion system.



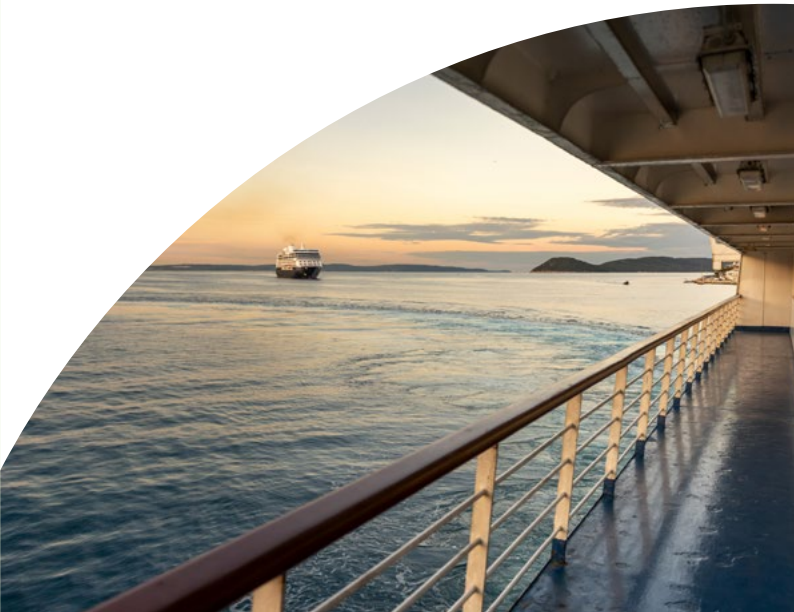
Hefring Marine

HQ:	Iceland
Employee Count:	2-10
Year Founded:	2018

Hefring Marine specialises in AI-driven solutions for vessel safety and performance, covering the commercial, leisure and defence sectors.

Notable for:

- In June 2025, Hefring Marine signed a memorandum of understanding with SeaBot Maritime to develop training programmes for high-speed uncrewed surface vessel (USV) operations using AI-assisted technology, integrating Hefring Marine’s Intelligent Marine Assistance System (IMAS) into SeaBot Maritime’s training.
- Hefring Marine partnered with SEA.AI in December 2025 to combine AI vision technology and onboard analytics, integrating SEA.AI’s advanced AI technology with Hefring Marine’s onboard systems to enhance the efficiency and safety of maritime operations.
- In March 2026, Hefring Marine and Ecomar Propulsion joined forces to install IMAS on Ecomar’s hydrogen-battery vessel *MV Dirac* to provide live data on sea conditions, vessel motion and operational parameters.



HydroSurv

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2019

HydroSurv designs, builds and deploys fully electric and hybrid uncrewed surface vessels (USVs).

Notable for:

- In October 2025, HydroSurv, in collaboration with South Devon College and BMT, successfully delivered the ROC + DOCK project, an initiative to realise the full potential of resident zero-emission USV operations in ports and harbours.
- HydroSurv was awarded funding through the Offshore Wind Growth Partnership’s (OWGP) programme in December 2025, aiding the development of a next-generation, USV-first 3D sub-bottom profiling system.
- In February 2026, HydroSurv kicked off Project ENDURA, a feasibility study co-funded by Innovate UK focused on reducing the embodied carbon of its vessel platforms.



IDSure

HQ:	Denmark
Employee Count:	2-10
Year Founded:	2021

IDSure is a software-as-a-service (SaaS) platform that digitises maritime certification, utilising a user-friendly app and web portal to enable digital ID verification, issuance and cloud-based storage of seafarer and vessel documents.

Notable for:

- In June 2025, IDSure achieved ISO 27001 recertification, representing its continued commitment to safeguarding sensitive data and supporting the industry’s digital transformation.
- IDSure, together with LedgeID, united in February 2026 to build a secure seafarer-centric digital vault infrastructure for verifiable and GDPR-proof sharable personal data.
- In March 2026, IDSure, Columbia Shipmanagement and SITA launched a pilot project to introduce digital identity solutions for seafarers aimed at streamlining crew travel, improving security and reducing administrative friction.



Incat Crowther

HQ:	Australia
Employee Count:	11-50
Year Founded:	1973

Incat Crowther is a naval architecture firm that offers a range of solutions for demanding applications founded on the model of ‘Robust Ideas’.

Notable for:

- In December 2025, Incat Crowther powered up the world’s largest battery-electric ship, built for Buquebus and able to carry over 2,000 passengers and 200 vehicles.
- Incat Crowther and Switch Maritime made progress on a 150-passenger hydrogen fuel cell-electric fast ferry in February 2026, moving toward a demonstration in Brooklyn.
- In May 2026, the *Mercedes Pinto*, a 123 m dual-fuel RoPax ferry designed by Incat Crowther and capable of using biomethane and hydrogen blends, completed sea trials.

i03 Pte Ltd



HQ:	Singapore
Employee Count:	51-200
Year Founded:	2019

i03 provides integrated solutions to optimise maritime vessel operations with a commitment to driving digital innovation within the maritime industry through a comprehensive suite of products.

Notable for:

- In June 2025, Singfar Group partnered with i03 to deploy the integrated solutions provider's V.Sight AI analytics across its fleet, facilitating smarter fleet management and fuel optimisation.
- Seadronix agreed to incorporate i03's AI-powered navigation technology into its operations in July 2025, enhancing maritime safety and efficiency.
- In January 2026, i03 received IACS UR E27 type approval from RINA for its V.Secure maritime cybersecurity system, confirming compliance with IACS cyber-resilience requirements for computer-based systems on ships.

IQAX



HQ:	China
Employee Count:	51-200
Year Founded:	2020

Hong Kong-headquartered IQAX is a technology company that provides intelligent digital solutions for shipping that leverage technologies such as blockchain, AI and IoT.

Notable for:

- In July 2025, IQAX and TCL partnered to deploy an AI-based shipment tracking solution across TCL's global logistics network, tracking over 50,000 containers with precise data and improving accuracy and timelines.
- As of May 2026, IQAX had processed more than 1 M electronic bills of lading (eBLs) with transaction volumes rising 250% over the previous 18 months.
- Also in May 2026, IQAX, along with GSBN and ODeX, integrated their systems via API to streamline eBL processing across India's trade network.



Lomar Shipping

HQ:	United Kingdom
Employee Count:	51-200
Year Founded:	1976

Lomar Shipping is a shipowner and management group with a fleet of over 80 vessels, including container, bulk, chemical and product tankers. Its venture arm, lomarlabs, supports early-stage tech companies to advance maritime innovation.

Notable for:

- In September 2025, Lomar Shipping partnered with Mythos AI to install the Advanced Pilot Assistance System on a CB Pacific tanker for a year-long trial to enhance bridge intelligence and navigation safety.
- Through lomarlabs, Lomar Shipping entered into a collaboration with Signal Fusion to pilot predictive behavioural analytics in January 2026.
- In April 2026, lomarlabs and Bennu Climate launched a 12-month pilot on the first at-sea methane removal system onboard a supramax bulk carrier.



Mythos AI

HQ:	United States
Employee Count:	11-50
Year Founded:	2021

Headquartered in Florida, Mythos AI is a designer and developer of advanced autonomous and self-driving vessel technologies, leveraging expertise from the Silicon Valley self-driving car and unmanned marine vehicle sectors. Mythos AI partners with shipyards, original equipment manufacturers and global vessel operators to deliver safer, more efficient autonomy.

Mythos AI supports autonomous marine applications through three core systems: Mythos AI's Advanced Pilot Assist System (APAS) was designed to assist pilots and masters by enhancing human decision-making with real-time environmental awareness and predictive autonomy. MNAV, offered as a software licence to vessel OEMs and fleet operators, transforms manned and unmanned vessels into autonomous platforms. Finally, MHydro is the commercial release of Mythos AI's ARCHIE software, transforming survey vessels into intelligent, autonomous data-collecting systems.

In August 2025, Mythos AI deployed its pilot-assist system designed for inland waterway navigation on a working towboat operated by Southern Devall - the first of its kind on the Mississippi River. Designed to improve collision avoidance on one of the nation's busiest waterways, the system's performance led Southern Devall to express interest in installing more units across its fleet.

Mythos AI achieved another major milestone in September 2025, surpassing 11,000 miles in fully autonomous mode and over 15,000 safe interactions. The company's vessel, *Archie*, successfully navigated 803 miles in the Houston-Galveston ship channel, at an average speed of 21 knots, executing 1,290 COLREG-compliant interactions.

Furthering its mission to advance autonomous maritime operations, Mythos AI entered into a strategic partnership with ANELLO Photonics in February 2026 to develop GPS-independent navigation solutions for the maritime autonomy market.

By integrating ANELLO's inertial navigation technology with Mythos AI's autonomy stack, the companies developed a plug-and-play system capable of maintaining positioning and control when satellite signals are degraded or unavailable.

Norsepower



HQ:	Finland
Employee Count:	51-200
Year Founded:	2012

Norsepower is a provider of wind-assisted propulsion for the maritime industry. Its solutions are designed for various vessel types and aim to help the industry decarbonise.

Notable for:

- In July 2025, Norsepower successfully tested its advanced Norsepower Sentient Control system on two ocean-going vessels, showing significant fuel performance improvements of up to 20.6%.
- Norsepower partnered with COSCO Shipping in March 2026 to mass produce rotor sails in order to scale wind-assisted propulsion solutions for commercial shipping.
- Also in March 2026, Norsepower launched its third-generation Rotor Sail, which combines aerodynamic upgrades, digital optimisation and structural redesign to improve fuel savings, operational performance and lifecycle costs.

Northern Lights



HQ:	Norway
Employee Count:	11-50
Year Founded:	2021

Northern Lights produces open-source CO₂ transport and storage infrastructure designed to safely and permanently store captured CO₂ beneath the seabed in Norway.

Notable for:

- In August 2025, the first CO₂ volumes of the Northern Lights were injected and successfully stored in the reservoir under the seabed.
- Northern Lights issued the first certificates verifying permanent CO₂ storage at the offshore Aurora reservoir in December 2025.
- In January 2026, Northern Lights expanded its fleet with four more CO₂ ships, awarding a charter agreement to K Line, MISC Berhad and Mitsui O.S.K Lines, Ltd.



OceanScore

HQ:	Germany
Employee Count:	11-50
Year Founded:	2020

OceanScore is an emissions monitoring software solutions provider specialising in EU ETS and FuelEU Maritime regulation. Its software-as-a-service (SaaS) offerings automate data collection, forecasting and carbon allowance management.

Notable for:

- In August 2025, Anglo-Eastern partnered with OceanScore to use its digital compliance platform on the shipping management company's fleet of over 750 vessels.
- OceanScore launched live ERP integrations, connecting its Compliance Manager platform with major ship managers' systems to keep vessel, contract and invoicing data up to date in real time, automating emissions compliance data.
- In May 2026, OceanScore expanded its FuelEU Pooling Marketplace to support growing demand from shipowners and operators seeking compliance solutions under the FuelEU Maritime regulation, introducing additional functionality and market participation opportunities.



Open Ocean Robotics

HQ:	Canada
Employee Count:	11-50
Year Founded:	2019

Open Ocean Robotics develops solar-powered autonomous vessels equipped with sensors, cameras and communication devices to capture information from the ocean.

Notable for:

- In June 2025, Nauticus Robotics partnered with Open Ocean Robotics to revolutionise subsea inspections and monitoring, enabling energy operators to conduct frequent and efficient inspections.
- Open Ocean Robotics’ DataXplorer USV was deployed during a major multi-agency chemical spill exercise in Singapore in August 2025 to monitor air quality and keep responders out of hazardous zones.
- In December 2025, the company, alongside GSTS, unveiled an integrated autonomous surveillance system that combined GSTS’s OCIANA maritime intelligence platform with Open Ocean Robotics’ autonomous USV technology.



OrbitMI

HQ:	United States
Employee Count:	51-200
Year Founded:	2019

OrbitMI is a maritime software company that offers solutions to enable AI-driven vessel performance and connected workflows. Its cloud-based software-as-a-service (SaaS) platform, Orbit, integrates systems, data feeds, workflows and reporting into a single interface.

Notable for:

- In July 2025, OrbitMI joined the Smart Maritime Council to collaborate with industry leaders to advance digital transformation and standardisation in the shipping industry.
- Also in July 2025, OrbitMI acquired AuQub, a specialist in AI agents for automating tasks, enhancing its platform by integrating AuQub’s solutions and improving operational insights.
- In November 2025, OrbitMI launched Vessel Reporting Analysis for accurate and efficient data compliance, identifying gaps and offering recommendations based on shipowners’ reports, which are assessed against industry standards.



Orca AI

HQ:	United Kingdom
Employee Count:	51-200
Year Founded:	2018

Orca AI develops advanced AI systems that enhance safety, efficiency, and situational awareness for commercial vessels. Combining data from onboard sensors, its platform helps provide real-time decision support for bridge crews.

Notable for:

- In March 2026, Orca AI launched the next generation of its platform, introducing a seamless 360-degree field of view around vessels to enhance situational awareness.
- Lloyd’s Register trialled Orca AI’s navigation technology during a live voyage on a feeder container ship sailing between Italy and Malta in April 2026, testing how computer vision systems support bridge teams.
- Also in April 2026, Orca AI’s perception technology received official technology qualification from ClassNK within Japan’s DFFAS+ autonomous ship project, confirming that its systems meet the requirements for safe navigation.



PowerCell Group

HQ:	Sweden
Employee Count:	51-200
Year Founded:	2008

PowerCell Group designs and manufactures advanced hydrogen fuel cell stacks and systems with a focus on high-power density technology and fully integrated, scalable systems.

Notable for:

- In September 2025, PowerCell received approval in principle from DNV for a methanol-to-power solution that combines a methanol reformer from RIX Industries with its 225 kW marine fuel cell system.
- PowerCell joined the GAMMA project, a European initiative aimed at accelerating the adoption of hydrogen-powered shipping technologies, in January 2026.
- In February 2026, PowerCell joined the EU-funded MiNaMi project, which aims to develop megawatt-scale fuel cell systems with significantly extended operational lifetimes for maritime applications.



Prevention at Sea

HQ:	Cyprus
Employee Count:	11-50
Year Founded:	2015

Prevention at Sea was founded by shipping professionals who wished to invest in pro-active thinking, originally serving the industry through advisory, auditing and vetting readiness before expanding into maritime technology in 2015.

In 2015, Prevention at Sea pioneered the use of digital logbooks, pairing maritime expertise with software that has since evolved into today's MORSE platform. MORSE is Prevention at Sea's integrated maritime compliance and due diligence platform. While many operators still rely on disconnected systems for digital SMS, environmental compliance, logbooks, crew documentation, rest hours and vetting preparation, MORSE brings everything together in one, paperless platform shared by ship and shore.

Much of modern vetting (SIRE 2.0, TMSA, DryBMS, RISQ) is producing accurate records on demand, which MORSE does while monitoring compliance and highlighting gaps before an inspection. As a result, MORSE allows for less administration, fewer superintendents, fewer detention visits, and continuous, audit-ready due diligence. MORSE is trusted on more than 3,000 vessels, certified by leading classification societies and accepted by flag administrations and US Coast Guard.

Complementing MORSE, ImmerSEAv extends the same prevention-first philosophy to the human element: a unique virtual reality-based Behavioural Competency Assessment that immerses seafarers in realistic scenarios and evaluates how they behave and decide under pressure. Aligned with the human-factors focus of SIRE 2.0 and the INTERTANKO BCAV and ICMG frameworks, it helps operators identify strengths, close competency gaps and strengthen safety culture through measurable assessment and training.

In January 2026, Prevention at Sea became the first maritime compliance and prevention-focused organisation admitted to the Dry Bulk Centre of Excellence (DBCE) network. The following month, in February 2026, Columbia Group, one of the world's largest ship managers, selected and deployed MORSE fleet-wide to strengthen compliance, improve data quality and reinforce onboard culture, all backed by independent auditing.



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SEA.AI

SEA.AI

HQ:	Austria
Employee Count:	51-200
Year Founded:	2018

SEA.AI develops AI-powered maritime vision systems that help vessels, fleets, uncrewed platforms and coastal operators detect risks beyond conventional sensors. Combining optical and thermal cameras with purpose-built AI, SEA.AI detects, classifies and tracks floating hazards, small craft, people in the water and marine mammals.

Trained on millions of images collected at sea since 2018, SEA.AI is designed for environments where radar, AIS and human watchkeeping may not provide a complete picture, especially at night, in poor visibility or congested waters. SEA.AI reveals what conventional sensors may miss, turning visual information into actionable maritime intelligence.

Proven initially in offshore racing, SEA.AI now serves recreational, commercial and governmental markets. With teams across Austria, France and Portugal, and hardware manufactured in Austria, it combines European engineering with operational experience across demanding maritime use cases.

SEA.AI supports navigational safety, MOB detection, maritime security, anti-piracy surveillance, marine mammal protection, and monitoring of critical maritime assets and sensitive ecosystems. Systems can be deployed on vessels, fleets, uncrewed platforms and shore-based installations.

In 2025, SEA.AI launched Watchkeeper, a modular AI-powered lookout platform designed for wider adoption of maritime machine vision. Industry recognition followed, and Privilège Marine selected SEA.AI as standard equipment across its catamaran range in February 2026.

SEA.AI continues to expand its integration ecosystem, connecting maritime machine vision with leading navigation, vessel monitoring and ocean intelligence platforms. Integrations and partnerships with TimeZero, Adrena, BRNKL, Hefring Marine and FarSounder enable SEA.AI detections to complement charting, remote monitoring, incident analysis and other onboard decision-support systems.

SEA.AI was selected for Index Blue Tech by Cluster Maritime Français and recognised at the Euromaritime Awards for its impact on maritime situational awareness and surveillance. In June 2026, Spain’s Ministry for the Ecological Transition selected SEA.AI technology to support whale detection and marine mammal protection.



Sea Machines Robotics

HQ:	United States
Employee Count:	11–50
Year Founded:	2017

Sea Machines Robotics provides advanced marine technology, including a line of autonomous control and navigation systems for commercial vessels.

Notable for:

- In February 2026, Sea Machines Robotics' STEAMRACER-class autonomous vessel advanced within the US Navy's Modular Attack Surface Craft (MASC) programme, showing progress in autonomous ship development.
- As of April 2026, Sea Machines Robotics' Selkie USV was validated in the West Philippine Sea during the Tropical Winter 100 mission, supporting further adoption of autonomous vessel technology in real-world environments.
- Also in April 2026, Sea Machines and Shintoa Corporation formed a trading agreement to expand distribution of autonomous maritime solutions in the Japanese market.



SeaTech Solutions

HQ:	Singapore
Employee Count:	51–200
Year Founded:	2000

SeaTech Solutions offers custom marine and offshore vessel design services, in addition to providing engineering analysis, production drawings, vessel conversions, and project management.

Notable for:

- In June 2025, a 130 m ammonia bunkering vessel, designed by SeaTech Solutions in collaboration with Oceania Marine Energy, received Approval in Principle (AiP) from DNV.
- SeaTech Solutions also received an AiP from the Indian Register of Shipping (IRS) in November 2025 for its E-Volt green tug design, a battery-electric harbour tug aimed at supporting maritime decarbonisation efforts.
- In April 2026, SeaTech Solutions launched a joint research project with the American Bureau of Shipping, Marinteknik Shipbuilders and VINSSEN to develop a hydrogen fuel cell-powered harbour craft in Singapore.



Sedna

HQ:	United Kingdom
Employee Count:	51-200
Year Founded:	2017

Sedna positions its platform as the Intelligent Operating System for Shipping. It connects emails, voyage records, and commercial systems into one live source of truth, turning information into intelligence the moment it happens. AI surfaces what matters, automates routine work, and helps every team make faster, better-informed decisions while staying firmly in control.

The shipping platform was merged into one in April 2026, bringing together three connected layers: Sedna Email turns shipping's conversations into structured intelligence, linking every message to the right voyage, counterparty, and workflow. Sedna Trade connects chartering, operations, and finance across the voyage lifecycle, from pre-fixture to final settlement, including Sedna Pre-Fixture and the Sedna Voyage Management System. Sedna Build enables customers to extend, automate, and integrate the platform through the Sedna App Kit and Certified App Marketplace.

Across the platform, AI agents automate routine work, from filing and data entry to first-pass charter party risk assessment, and report to AI Command Centre, where every action remains visible and under human control.

Sedna serves market leaders across every maritime segment, including IFCHOR Galbraith, Star Bulk, Norden, Synergy Ship Management, Optima Shipping Services, Terntank Ship Management, and Unity Ship Management and is backed by Insight Partners, GK Goh Ventures, Stride.VC, Chalfen Ventures, and SAP.

Since its July 2024 funding round, Sedna has grown to more than 1,000 customers through organic growth and acquisition, while building an ecosystem of more than 300 integrations and applications. It has also expanded its business through acquisitions.

In July 2025, the company acquired Norwegian voyage management software provider Dataloy Systems. Dataloy Systems' platform is used by shipping companies such as Stena Bulk, Klaveness, Saga Welco and Golden Ocean. It supports voyage-related functions such as chartering, planning, emissions compliance and P&L management. As part of the acquisition, Sedna integrated Dataloy Systems' platform into its own voyage management system, providing greater functionality.

The Intelligent Operating System continues to expand by bringing together the tools, workflows, and intelligence shipping already depends on into one connected platform.





Shipping Technology

HQ:	Netherlands
Employee Count:	11–50
Year Founded:	2018

Shipping Technology is a maritime technology provider with a primary focus on inland navigation. It aims to enable safer, more efficient and sustainable operations.

Notable for:

- In October 2025, Shipping Technology formed a strategic partnership with Radio Holland and Retina to deliver integrated smart maritime solutions for the inland shipping sector.
- Also in October 2025, Shipping Technology and Retina collaborated again, along with Scylla, with the completion of the first-ever Dock2Dock autonomous inland shipping voyage.
- In June 2026, Shipping Technology launched ST Brain Lite, a plug-and-play onboard data unit designed to bring real-time capabilities to chartered inland vessels, securing Danser Group as its first customer.



Shipln Systems

HQ:	United States
Employee Count:	51–200
Year Founded:	2019

Shipln provides real-time fleet monitoring that helps to deliver visibility and predictability to the shipping industry. Its FleetVision platform supports over 1,500 vessels worldwide and has analysed over 2.5 BN data points of onboard operational activity.

Notable for:

- In November 2025, Shipln Systems joined INTERCARGO as an associate member, expanding its engagement with the dry bulk shipping industry.
- Also in November 2025, the company collaborated with NorthStandard P&I Club to offer its members a fully subsidised pilot of Shipln's AI risk management and fleet performance platform, FleetVision.
- In February 2026, Chile-based shipping group Ultrana expanded its collaboration with Shipln Systems, deploying FleetVision across parts of its operations in Latin America.



Smart Green Shipping

HQ:	United Kingdom
Employee Count:	2-10
Year Founded:	2014

Smart Green Shipping (SGS) is a systems design house which develops solutions designed to enable the rapid reduction of emissions from the shipping sector.

Notable for:

- In March 2026, SGS closed a funding round which attracted interest from both existing and new investors, reflecting a growing confidence in wind-assisted propulsion systems.
- Also in March, following independent validation of real-world sea-trial data by researchers at the University of Southampton, SGS confirmed it could guarantee the fuel-saving performance of its FastRig system.
- In May 2026, SGS announced that it was working with Swire Bulk to explore the viability of installing FastRig wingsails on a ship moving sustainable biomass for renewable energy supplier Drax.



Sofar Ocean Technologies

HQ:	United States
Employee Count:	51-200
Year Founded:	2016

Sofar Ocean Technologies provides real-time marine weather data from its extensive sensor network to support safer and more resilient ocean operations.

Notable for:

- In October 2025, Sofar Ocean launched Wayfinder Voyage Simulator, a voyage planning tool that utilises real-time ocean intelligence to improve fleet efficiency and profitability.
- Sofar Ocean collaborated with NOAA in December 2025 to combine NOAA's forecasting expertise with Sofar's ocean sensing network and data capabilities to improve marine weather prediction accuracy.
- In April 2026, Sofar Ocean extended its Spotter platform with a deepwater-capable uncrewed surface vehicle (USV), enabling data collection in more challenging offshore environments.





Spot Ship

HQ:	United Kingdom
Employee Count:	11-50
Year Founded:	2019

Spot Ship is the developer of a maritime platform built by brokers for brokers. It streamlines the ship chartering process through advanced digital solutions, connecting shipowners and charterers to enhance transparency.

Notable for:

- Spot Ship's platform is unique in that it deploys multiple models to extract complicated maritime data, ensuring around 95% accuracy, which is above market average.
- In July 2025, Spot Ship partnered with Vanguard Tech to provide war hull insurance at significantly reduced rates for its users, offering an advantage to the companies' shared customers in an uncertain environment.
- Spot Ship raised \$1.2 M in funding led by VentureEU to modernise ship chartering processes, supporting platform development and expansion of digital solutions for chartering workflows.



Starboard Maritime Intelligence

HQ:	New Zealand
Employee Count:	11-50
Year Founded:	2019

Starboard Maritime Intelligence delivers secure, sovereign-friendly maritime intelligence worldwide, deployed across more than 30 countries. Its cloud-based platform uses multi-source data with proprietary AI to protect over 840,000 km of subsea cables and national interests at sea.

Notable for:

- In August 2025, Tampnet and Starboard Maritime Intelligence formed a global partnership to enhance subsea cable protection using advanced data intelligence and monitoring solutions.
- SYOS Aerospace integrated Starboard Maritime Intelligence capabilities into its unmanned surface vehicles (USVs), enhancing data analysis and situational awareness for autonomous maritime operations.
- In May 2026, Starboard Maritime Intelligence and Tampnet launched the 'world's first' live integration of fibre-optic sensing into an AI-powered maritime intelligence platform, combining distributed acoustic sensing and state of polarisation monitoring with real-time vessel tracking.



Theyr

HQ:	United Kingdom
Employee Count:	11–50
Year Founded:	2015

Theyr is a B2B technology provider, delivering core capabilities that enhance workflows across digital shipping platforms and enable optimal decision-making for commercial and strategic advantage.

Through its new Commercial Decision Intelligence platform, Theyr aims to redefine voyage optimisation. The platform is designed to help shipowners, operators and charterers make more transparent, commercially informed decisions.

At its core is T.VOS, Theyr’s multi-objective optimisation technology, which simultaneously evaluates competing priorities such as fuel consumption, emissions, transit time, weather risk, schedule performance and contractual obligations.

Rather than presenting a single “optimal” route, the platform reveals the trade-offs between alternative strategies, allowing users to select the best option for their specific commercial objectives.

Each optimisation evaluates more than 400,000 voyage alternatives and processes billions of data points, combining high-resolution meteorological and oceanographic forecasts with vessel-performance models. The underlying AI technology was developed in collaboration with The Alan Turing Institute and the University of Southampton. Theyr is now building on this work with explainable AI, enabling users to understand why a particular route or operational strategy has been recommended.

In August 2025, Theyr launched its Charter Party Dynamic Optimisation Module in collaboration with Rensmarine, integrating contract compliance calculations directly into its T.VOS voyage optimisation platform. The module allows shipowners and charterers to better align operations with Charter Party terms while improving transparency, compliance monitoring and voyage efficiency.

Through this evolution, Theyr is moving beyond conventional weather routing to establish a new category of maritime technology: Explainable Commercial Decision Intelligence.



Tocaro Blue

HQ:	United States
Employee Count:	11–50
Year Founded:	2019

Tocaro Blue develops advanced AI and machine learning software for the maritime industry, modernising legacy marine radar systems by focusing on simplifying radar data visualisation and enabling smarter vessel control, advanced driver assistance and navigation.

Notable for:

- In August 2025, Tocaro Blue released ProteusCore, a new software development tool designed to support enhanced maritime perception applications.
- Tocaro Blue launched ApolloCore, a machine learning software solution that converts pan-tilt-zoom marine cameras into high-performance perception systems for autonomous vessels, in April 2026.
- In May 2026, Tocaro Blue and Furuno collaborated to combine Furuno's radar technology with the AI-powered ProteusCore software to improve perception, object recognition, and situational awareness for autonomous and crewed vessels.



Unseenlabs

HQ:	France
Employee Count:	51–200
Year Founded:	2015

Unseenlabs offers a maritime surveillance service, utilising space-based radio frequency (RF) detection to make invisible activity at sea visible.

Notable for:

- In June 2025, Unseenlabs was selected by the European Space Agency (ESA) under the Copernicus Contributing Missions Category 1 programme, marking the first time RF data was integrated into the EU's flagship Earth observation system.
- S&P Global and Unseenlabs partnered in December 2025 to integrate its space-based RF data into S&P Global's maritime intelligence solutions, enhancing vessel activity monitoring beyond the limitations of AIS tracking.
- In April 2026, Unseenlabs secured a \$6.3 M order for microsatellites to expand its maritime surveillance network, enhancing detection and tracking globally.



Vinssen

HQ:	South Korea
Employee Count:	11-50
Year Founded:	2017

Vinssen is a leading developer of maritime battery and hydrogen fuel cell electric propulsion systems for cleaner and more efficient energy sources for the maritime industry.

Notable for:

- In January 2026, Vinssen launched *Hydro Zenith*, South Korea's first hydrogen fuel cell-powered vessel built under the country's official hydrogen ship standards and equipped with two 100kW hydrogen fuel cells and a hybrid battery system.
- Also in January 2026, Vinssen secured type approval from both Korean Register (KR) and the American Bureau of Shipping (ABS) for its 150kW marine fuel cell module.
- In February 2026, Vinssen signed a memorandum of understanding with MANA Engineering to jointly develop a hydrogen fuel cell-based retrofit solution for an 800 TEU feeder container vessel operating in Northern Europe and the Baltic Sea.



Wattlab

HQ:	Netherlands
Employee Count:	11-50
Year Founded:	2017

Wattlab designs and supplies plug-and-play solar solutions for shipping vessels, converting deck space into clean energy sources using marine-grade panels and microinverters that integrate directly with vessel power grids.

Notable for:

- In October 2025, Wattlab installed a solar energy system on the *MV Vertom Tula* cargo vessel for Vertom, which provides 20% of the vessel's power through 44 Solar Flatracks.
- Following installation on the *Vertom Tula*, Wattlab began scaling its Solar Flatrack solution towards the international bulk shipping market in March 2026.
- In June 2026, Wattlab launched WEstack, a standardised battery system for inland vessels available in capacities from 100 kWh to 400 kWh.



Zeabuz

HQ:	Norway
Employee Count:	11-50
Year Founded:	2019

Zeabuz specialises in maritime autonomy software, offering a suite of products designed for modularity and scalability to facilitate the transition to fully autonomous vessel operations.

In 2023, Zeabuz and Torghatten launched the world's first commercial autonomous passenger ferry in Sweden. The company has since expanded to deploy solutions for intelligent automated navigation and remote supervisory control for ferries, workboats, USVs and cargo vessels.

The company's solutions are split into three: ZeaWatch, ZeaControl and ZeaMate. Dubbed 'the watchkeeper's companion', ZeaWatch utilises a range of sensors to gather data from the vessel's surroundings, which, through sensor fusion, detects all surrounding targets, which are shown in an interactive interface to warn users of potential collisions and give ample time to react and navigate. In January 2026 Zeabuz and Brim Explorer entered a partnership to roll out ZeaWatch on Brim's fleet.

ZeaMate is an intelligent self-sailing system able to pilot any vessel through advanced situational awareness, COLREGs collision avoidance, route optimisation, and autonomous control. Incorporating ZeaMate helps operators to achieve energy savings, employ leaner crewing and improve safety and convenience.

The newest of the company's offerings is ZeaControl, which it introduced in January 2026. Designed as a low-cost solution, ZeaControl sits between Zeabuz's autonomy and propulsion system, enhancing human operation through joystick control, station keeping, autopilot, trackpilot, and more, with optional features such as autodocking and autocrossing. ZeaControl is being deployed on road ferries in Sweden and Åland, with a target of 30% energy reduction.

In October 2025, Zeabuz joined DNV's COMPASS project, an initiative aimed at building trust in autonomous maritime systems by developing assurance, verification, and validation methodologies.

Zeabuz maintains an in-house autonomy simulator for training and verifying cases, a critical component of operations as autonomous regulations are not yet well-defined. In April 2026, Zeabuz and the Singapore Institute of Technology (SIT) entered into a partnership to advance simulation-based testing and assurance of autonomous maritime systems.



TOP150

Not-for-Profit and Government bodies

For the purpose of this report, Thetius defines not-for-profit organisations as organisations functioning for social or charitable objectives without pursuing profit, while government bodies indicate the distinct branches and agencies accountable for public governance and service provision.

15 not-for-profit and government bodies have been profiled by Thetius.





Baltic and International Maritime Council

HQ:	Denmark
Employee Count:	51-200
Year Founded:	1905

The Baltic and International Maritime Council (BIMCO) is a leading global shipping association which works to promote and secure global standards and regulations in the maritime sector.

Notable for:

- BIMCO introduced a Methanol Annex to its Bunker Terms 2018 in October 2025, including new definitions and sustainability certifications to reflect industry developments.
- In March 2026, BIMCO jointly published with other ports and shipping organisations a global framework to standardise the exchange of port call data.
- BIMCO and the Maritime Technologies Forum published new guidelines in June 2026 to help shipping companies update safety management systems for vessels fitted with wind-assisted propulsion technologies.



Digital Container Shipping Association

HQ:	Netherlands
Employee Count:	11-50
Year Founded:	2019

Established by nine of the world's largest container shipping companies, the Digital Container Shipping Association (DCSA) is a neutral, non-profit organisation that develops and promotes open digital standards and frameworks across the container industry.

Notable for:

- In November 2025, the DCSA launched Identify Exchange, a digital solution that streamlines business identity verification in the shipping and logistics industry.
- Also in November 2025, the DCSA published the first API-based standard developed under its framework for verified gross mass exchange.
- In February 2026, in conjunction with its nine member carriers, the DCSA formed the Future International Trade Alliance in which the organisations committed to collaborating to standardise the digitisation of international trade.



Global Centre for Maritime Decarbonisation

HQ:	Singapore
Employee Count:	11-50
Year Founded:	2021

Established with the mission to support the decarbonisation of the maritime industry, the Global Centre for Maritime Decarbonisation (GCMD) helps to shape industry standards, deploys solutions, finances projects and fosters collaboration across the sector.

Notable for:

- In July 2025, GCMD successfully demonstrated the full value chain of onboard captured CO₂, with the CO₂ being used to produce green construction materials.
- The GCMD and NYK Line conducted a successful six-month trial, Project LOTUS, in September 2025, evaluating the impact of biofuels on vessels using a B24 blend that had no negative effects on engine performance or fuel systems.
- In June 2026, GCMD and BHP launched a pilot project using a biofuel blend made from used cooking oil and waste animal fats aboard the BHP-chartered bulk carrier *Berge Lyngor* to assess fuel quality, handling and vessel performance in real-world conditions.



International Association of Ports and Harbors

HQ:	Japan
Employee Count:	2-10
Year Founded:	1955

The International Association of Ports and Harbors (IAPH) represents some 180 ports and 140 port-related businesses in 90 countries. Its member ports handle well over 60% of the world's seaborne traffic.

Notable for:

- In June 2025, IAPH released new cyber resilience guidelines to protect against emerging technology threats in the supply chain.
- IAPH was a joint publisher of a global framework to standardise the exchange of port call data in March 2026.
- In April 2026, the International Maritime Organization adopted the IAPH's proposal to amend the FAL Convention to include mandatory cybersecurity standards for Maritime Single Windows.



International Maritime Organization

HQ:	United Kingdom
Employee Count:	201-500
Year Founded:	1948

Headquartered in London, the International Maritime Organization (IMO) is the United Nations' specialised agency responsible for the safety and security of shipping and the prevention of marine pollution by ships.

Notable for:

- The IMO approved a global maritime digitalisation strategy aimed at enhancing efficiency, interoperability and data exchange across shipping.
- In May 2026, the IMO adopted its first international framework for autonomous ships, known as the Maritime Autonomous Surface Ships (MASS) Code.
- The IMO also adopted the world's largest Emissions Control Area (ECA) in the North-East Atlantic in May 2026.



Maritime and Port Authority of Singapore

HQ:	Singapore
Employee Count:	501-1K
Year Founded:	1996

The Maritime and Port Authority of Singapore (MPA) regulates and manages port and marine services within Singapore's waters.

Notable for:

- MPA began offering permits to existing and new applicants to supply liquefied natural gas (LNG) as a marine fuel at the Port of Singapore to address the growing demand for alternative fuels.
- In April 2026, MPA introduced a new digital and data API exchange platform, OCEANS-X, designed to improve maritime connectivity. That same month, MPA committed \$100 M toward maritime research and development over five years.
- MPA signed an agreement with the Singapore Shipping Association in April 2026 to drive wider use of AI across the country's maritime sector, including bunkering.



Maritime Research Institute Netherlands

HQ:	Netherlands
Employee Count:	201-500
Year Founded:	1929

Maritime Research Institute Netherlands (MARIN) is an internationally recognised authority on ship and offshore hydrodynamics, providing model testing services and simulation and training consultancy services to the industry.

Notable for:

- In April 2026, MARIN and Deltares launched the JIP TISco project to improve how offshore operators predict and manage seabed erosion caused by thrusters on dynamically positioned vessels.
- MARIN received \$10.5 M from the Dutch Ministry of Economic Affairs in May 2026 to establish a new Maritime Innovation Lab, combining its existing testing basins into a single facility for developing and validating maritime technologies.
- Also in May 2026, MARIN launched a free mobile app for iOS and Android, called RollPeriod, that allows crews and maritime professionals to measure a vessel’s roll and pitch periods directly onboard using a smartphone’s built-in accelerometer.



National Oceanic and Atmospheric Administration

HQ:	United States
Employee Count:	10K+
Year Founded:	1970

National Oceanic and Atmospheric Administration (NOAA), a scientific agency within the US Department of Commerce, monitors oceanic and atmospheric conditions for environmental and safety purposes.

Notable for:

- In September 2025, NOAA joined forces with Fugro to advance ocean exploration through the use of uncrewed systems, including joint projects and workshops to develop new technologies and improve data gathering.
- NOAA and partners SeaTrac Systems and the University of Southern Mississippi utilised unmanned surface vehicles to map potential hypoxia in the Gulf of Mexico in April 2026.
- In May 2026, NOAA returned its vessel, *Thomas Jefferson*, to the Great Lakes for the first time since 2022. The ship was deployed to map parts of Lake Erie and Lake Ontario.





Port of Antwerp-Bruges

HQ:	Belgium
Employee Count:	1K-5K
Year Founded:	2022

Formed from the Belgian ports of Antwerp and Zeebrugge, the merged Port of Antwerp-Bruges is a major European transport hub which focuses on connectivity, sustainability and innovation.

Notable for:

- In June 2025, Cavotec signed a shore power order with the Port of Antwerp-Bruges to reduce the port's emissions and support compliance with international environmental regulations.
- The Port 2 Port Security platform was launched by Belgian seaports and inland ports, including the Port of Antwerp-Bruges, in November 2025 to strengthen integrated port security.
- Also in November 2025, the full go-live of the Inbound Release Platform (IRP), a digital system supporting the European customs framework for incoming goods, was achieved.



Port of Amsterdam

HQ:	Netherlands
Employee Count:	201-500
Year Founded:	1804

The Port of Amsterdam is one of Europe's largest inland ports, handling diverse cargo types, and it is committed to sustainability, digitalisation, and energy transition initiatives.

Notable for:

- In June 2025, the Port of Amsterdam launched a shore power system at the Passenger Terminal Amsterdam, enabling cruise ships to switch off onboard generators while docked and cut emissions, noise and air pollution.
- The Port of Amsterdam established a Transition Fund in September 2025, aiming to accelerate the shift from fossil-based cargo handling to lower-emission and non-fossil operations across the port.
- In December 2025, the City of Amsterdam announced its plans to invest around \$4.3 M in the h2avennet project to develop a local hydrogen distribution hub for the Port of Amsterdam.

Port of Ashdod



HQ:	Israel
Employee Count:	1K-5K
Year Founded:	2005

One of Israel’s three main cargo ports, the Port of Ashdod offers customers the full package of port services and is a keen investor in technology startups.

Notable for:

- In November 2025, Ashdod Port and Airwayz completed an autonomous drone pilot project aimed at improving port operations and aerial monitoring capabilities.
- Following a successful pilot, in May 2026, Ashdod Port invested \$650,000 in startup Conbo to advance its computer vision and AI-powered platform, which repurposes CCTV systems into real-time operational intelligence tools.
- Also in May 2026, Ashdod Port launched a programme inviting startups developing dual-use (civilian and security) technologies to test their solutions in a live operational port environment.

Port of Long Beach



HQ:	United States
Employee Count:	201-500
Year Founded:	1911

The Port of Long Beach is one of the US’ busiest seaports, situated on the West Coast. The port handles trade valued at \$300 BN annually and is one of the few US ports able to welcome the largest vessels trading today.

Notable for:

- In May 2026, the Port of Long Beach opened a new Cyber Defence Operations Centre as part of a broader push to protect the digital infrastructure of the port.
- The port received almost \$70 M in federal funding from the US Army Corps of Engineers to support key infrastructure upgrades in April 2026.
- Also in April 2026, the Port of Long Beach renewed its Green and Digital Shipping Corridor agreement with the Maritime and Port Authority of Singapore and the Port of Los Angeles for another three years.



Port of Rotterdam

HQ:	Netherlands
Employee Count:	1K-5K
Year Founded:	1932

The Port of Rotterdam is a major European seaport managed by the Port of Rotterdam Authority. The port authority is committed to the sustainable development, management and operation of the port.

Notable for:

- In September 2025, the Port of Rotterdam Authority, in collaboration with the Royal Netherlands Navy Hydrographic Service, implemented a system to improve the accuracy and consistency of terminal and berth location data.
- Together with Demcon Unmanned Systems, the Port of Rotterdam tested an unmanned surface vessel in the Prinses Margriethaven in October 2025 as part of a first-of-its-kind trial.
- In May 2026, Port of Rotterdam successfully demonstrated ship-to-ship ammonia bunkering safely in an active port environment as part of a full-scale trial, conducted under the EU-funded MAGPIE project.



The Nippon Foundation

HQ:	Japan
Employee Count:	51-200
Year Founded:	1962

The Nippon Foundation is a non-profit, grant-making organisation that defines itself as a “social innovation hub”. It partners with organisations worldwide to accelerate social innovation.

Notable for:

- In December 2025, the Nippon Foundation launched the world’s first commercial passenger ferry with Level 4 autonomous navigation.
- The Nippon Foundation and JPN H₂YDRO claimed to have completed the world’s first zero-carbon voyage in January 2026, using the hydrogen dual-fuel tug *TEN-OH*, which sailed using a blend of hydrogen and biodiesel in place of conventional marine fuel.
- In May 2026, the Nippon Foundation helped support the commercial launch of *GENBU*, the world’s first coastal containership designed from the outset for autonomous operation.



Valenciaport

HQ:	Spain
Employee Count:	201-500
Year Founded:	1900

Valenciaport manages one of Europe’s leading cargo ports, Valencia, as well as the ports of Sagunto and Gandia, and is a key promoter of innovative and sustainable port management.

Notable for:

- In September 2025, Valenciaport enhanced security at the ports of Valencia and Sagunto through a pilot project which equipped a container with advanced technology to manage external borders, migration flows, and prevent terrorism and crime.
- Valenciaport hosted the EU-funded eFTI4LIVE consortium in April 2026 to advance the digitalisation of freight transport across Europe, aiming to create a paperless logistics system.
- In May 2026, Valenciaport launched a \$1.85 M project to develop marine renewable energy systems with the aim of improving the port’s sustainability and reducing emissions.



Notes and Methodology

A multi-stage process was used to select the 150 most innovative organisations in maritime. Organisations were categorised into sections and a data-driven approach from Thetius IQ was used to create a longlist and relevant shortlists. A manual review stage was then completed to produce a final 150.

Commercial organisations were categorised according to their age and employee count:

- Startups: <5 years old <=250 employees
- Scaleups: <10 years old >250 employees
- Small and medium enterprises: >=5 years old <=250 employees
- Corporate: >=10 years old >250 employees

Separately, non-profit organisations and government bodies were categorised as per publicly available information in each case, irrespective of age and employee count. Academic institutions were excluded altogether, since innovation is their core function rather than a differentiator.

The final Top Thetius 150 consists of:

- Startups & scaleups: 50 organisations
- SMEs: 50 organisations
- Corporates: 35 organisations
- Non-profit & government bodies: 15 organisations

Selection methodology

All organisations within the Thetius Innovation database are included in the initial selection process. Organisations that are 'not active' or have 0 signals are deprioritised from the outset to prioritise active organisations.

Companies are selected on the basis of innovative actions over a 12-month period from **05/06/2025** to **05/06/2026**. This information is primarily gathered through signals (or news stories) featuring these organisations over the 12-month period.

Each signal is reviewed and classified against the criteria below. Not all signals carry equal weight; only those that meet the definition of an innovative signal count towards a company's score.

High-weight signals

- **Mergers and acquisitions:** indicates capability expansion and strategic growth. Counts as innovative where the acquisition brings new technology or capability into the acquirer's portfolio.
- **Equity investment and venture funding:** particularly significant for startups and scaleups, where it represents external validation of innovation potential. Counts in full.
- **Grant funding:** treated equivalently to investment. For early-stage companies, a competitive grant win is often the primary signal of innovative activity and is weighted accordingly.
- **Partnerships oriented towards new development:** counts where the stated purpose is to build, develop, or integrate something new. Does not count where the arrangement is effectively a contract award in another form (e.g. a partnership to install an existing product).
- **New product or project launches:** one of the strongest available innovation signals, indicating tangible market-ready output. Counts in full.
- **Product and platform updates:** counted where the update represents a substantive new capability or meaningful improvement. Routine bug fixes and minor changes do not qualify. Requires editorial judgement.
- **Industry firsts and novel regulatory recognition:** e.g. first-of-kind type approvals, new classification frameworks, or novel certificates. Counts where the outcome is genuinely without precedent.

Low-weight signals

- **Standalone contract awards:** not counted unless the company has very few other qualifying signals and the contract itself represents a notable market milestone (e.g. a startup securing multiple first commercial clients in the same year).
- **MoUs and letters of intent:** treated as statements of intent rather than actions. Only counted if a concrete development deliverable or timeline is explicitly stated.
- **Loan and debt financing:** not an indicator of innovation; excluded.
- **Bankruptcy and restructuring events:** not relevant to innovation scoring; excluded.

Deduplication

Where the same story has been captured by more than one analyst, duplicate entries are identified and only one instance is counted towards the signal total.

To support the collection of signals, the industry was invited to provide up-to-date company information through the 'Tell Us More Form' and complete interviews with analysts. This information was then used to support the selection process.

Company type considerations

Corporates and established technology providers

Corporates typically generate a high volume of signals. The review process involves filtering that volume for substantively innovative activity and discounting routine commercial operations. For classification societies and regulatory bodies, a signal is only counted as innovative where it relates to novel standards, new technical guides, or first-of-kind approvals, not standard certification activity.

Startups and scaleups

Startups and scaleups are not disqualified by a low signal count. Additional research is conducted across the following sources:

- Government and innovation body grant press releases
- Industry award shortlists and winner lists
- Press and trade media coverage
- Expert and interview intelligence held in the Thetius database

A company may be included on the basis of a written justification in the database where no corroborating signals exist but there is a clear analytical rationale (e.g. the company is the only known entity working on a specific application within the sector).

The final selection is then completed through an internal Thetius working group which consists of a minimum of 3 members who individually go through each organisation to review its suitability for the final Top 150.

Innovative definition

In the context of the Thetius Top 150, a company is considered innovative under the following characteristics:

- Introduce a capability that does not currently exist within the maritime sector.
- Meaningfully advance an existing capability in terms of performance, efficiency, safety or accessibility.
- Use its expertise to support or enable meaningful change throughout maritime by supporting regulations, governance or industry guidance.

Each condition requires evidence of deliberate action, through investments, product launches, external recognition, etc., rather than just ambition alone. For early-stage companies, innovation may also be evidenced through external validation: acceptance onto a recognised accelerator programme, receipt of a competitive innovation grant, or selection for an industry award specifically recognising novel technology or approach.

A signal is classified as innovative if it provides evidence that a company has taken a concrete action that advances technology or capability in the maritime sector. The following signal types qualify:

- Securing investment or grant funding to develop new products or services.
- Launching a new product, platform, or service.
- Publishing a substantive update to an existing product that introduces new capability
- Completing an acquisition that brings new technology or capability into the company's portfolio.
- Entering a partnership explicitly aimed at building or developing new capability.
- Receiving first-of-kind regulatory or classification recognition.
- Winning a competitive innovation award or grant from an independent body.

Signals that record commercial transactions (contract wins, sales announcements) without evidence of new capability development do not qualify as innovative but may be used to bolster a company's profile if there are limited signals - this is particularly relevant in the startups and scaleups category.

Where a signal is ambiguous, the classifying analyst exercises editorial judgement and records their reasoning. The guiding question is: **Does this signal demonstrate that the company is doing something new, or doing something better?** If yes, it qualifies.



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