

U.S. and Greek Approaches on Today's Maritime Challenges

Seminar at Posidonia

Shark Tank Event



SHIPPINGInsight's SHARK TANK

A Competition of Innovative U.S. Maritime Technologies

U.S. new technology groups pitch their advanced solutions to pre-eminent "Sharks" and the global Posidonia audience

Aloft

Keeney-Ritchie Miles

Founder and CEO

<https://www.aloft.systems/>

Aloft Systems develops modular, autonomous wing sails that help commercial vessels reduce fuel consumption, operating costs, and exposure to fuel price volatility. Aloft's self-contained "Plug & Sail" systems are designed for rapid retrofit without dry docking, structural modification, or disruption to deck operations. By combining advanced wing-sail hardware with onboard sensing and performance data, Aloft provides ship owners with a practical pathway to improve efficiency, strengthen fleet resilience, and reduce emissions using the vessels they already operate.

Carbon Ridge

Anastasija Kuprijanova

Director of Business Development

<https://www.carbonridge.net/>

Carbon Ridge ("CR") is a United States based developer of carbon capture & storage solutions for the Maritime industry. CR's Onboard Carbon Capture & Storage ("OCCS") solution provides a low-cost and near-term solution to significantly reduce the intensity of carbon dioxide (CO2) and other greenhouse gases (GHGs) onboard large maritime vessels.

Fleet Robotics

Sidney McLaurin

Founder and CEO

<https://fleetrobotics.com/>

Fleet Robotics provides an autonomous robotic platform for ship hull digitization & cleaning at sea. Our compact, autonomous robots offer continuous monitoring, maintenance & analytics services. By monitoring surface conditions, we assess critical factors like coating thickness and bio-fouling levels for ship hulls. Our maintenance services, such as cleaning, provide simple automated tools that ship crews can use while at sea.

Quartermaster AI

Hans Olson

Director of Business Development

<https://www.quartermaster.us/>

Quartermaster AI is building the world's largest distributed maritime sensing network, turning commercial fleets, offshore assets, and port infrastructure into real-time, evidence-grade SmartMast sensor nodes. Our AI-enabled perception platform gives shipowners, insurers, and maritime stakeholders actionable insight on operationally relevant timelines, helping mitigate risk, support attribution, resolve claims, and protect global trade. Through a scalable Data-as-a-Service model, SmartMast delivers persistent maritime awareness at a fraction of the cost of traditional sensors, without disrupting crew operations. By pairing vessel operators with high-bandwidth connectivity, we have scaled to monitor 6.7M+ square miles of ocean and improve safety across vital shipping corridors.

Robot Toolworx

Sean Simons

CCO and Co-Founder

<https://robotoolworx.ai/>

Robot Toolworx builds AI-powered software that modernizes maintenance for critical machines—boosting speed, accuracy, and uptime. We deliver solutions for maintaining and repairing machines that float, fly, roll, and even build other machines — across industries like aviation, defense, maritime, automotive, heavy equipment and manufacturing.

Sidonia

Matthew Ezekiel Riley
CEO and Co-Founder

Sidonia is a maritime technology company specializing in AI-powered operations intelligence for port authorities, fleet operators, and ship managers. Our platform automates the communications infrastructure of maritime operations — transcribing and categorizing VHF radio traffic in real time and organizing high-volume vessel and port correspondence — while delivering live route optimization that continuously adapts to evolving conditions across the entire logistics chain. Sidonia's multimodal routing intelligence spans land and sea: our system monitors live vessel traffic, port conditions, and overland freight corridors simultaneously, dynamically recommending the fastest and safest route whether that means continuing a voyage by water, transitioning to road, or rerouting to an alternate port entirely. Built on a live AIS data foundation, Sidonia unifies vessel tracking, traffic coordination, and freight routing into a single window to reduce administrative overhead, accelerate decision-making, and maximize efficiency across the full voyage lifecycle. Sidonia is in active deployment with port authorities and maritime associations across major U.S. harbors, and we are expanding our partnerships globally to bring AI-driven operational intelligence to the world's most demanding maritime environments.
