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29 SEPT - 2 OCT 2025 LA SPEZIA NAVAL BASE

PITCH AREA

PROGRAMME 2025

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29 SEPT - 2 OCT 2025 LA SPEZIA NAVAL BASE

MONDAY 29 SETPEMBER

TIME	LOCATION	AGENDA
11:30 - 12:00	PITCH AREA	**PEXIP** **NICHOLAS ROSS** *Defence & National Security specialist* ***Is your video-communication platform «C4 ready»?*** Defence manufacturers, Naval forces, shipbuilders, smart-port operators and maritime-security agencies cannot risk their strategic conversations on consumer videoconferencing clouds. They need a secure platform that keeps data in national hands, a resilient service that leverages SATCOM, 5G, and austere links, and an interoperable bridge that unites legacy VTC, NATO FMN standards, Microsoft Teams, and AI-enabled situational feeds. In this 20-minute pitch, Pexip demonstrates how its Secure Collaboration platform—already accredited up to Top Secret—enables everything from classified R&D design reviews and remote green-tech refits to underwater autonomy command posts and smart-port crisis rooms, all while reducing carbon footprints by replacing travel with trusted pixels.
12:00 - 12.20	PITCH AREA	**NORBIT SUBSEA AS** **GIUSEPPE DI STEFANO** *Vice President of Sales, Security Systems and Defence* ***Solutions enabling maritime domain awareness above and below the surface*** In maritime security, visibility is critical—what you can't see, you can't protect. While surface threats are often visible and trackable, the underwater domain remains largely hidden, posing a vulnerability for ports, naval bases, and critical infrastructure.NORBIT addresses this challenge by integrating high-resolution subsea sonar systems with real-time surveillance and threat detection technologies, enabling complete domain awareness above and below the waterline.NORBIT Subsea develops compact, high-precision multibeam echosounders (MBES) tailored for AUVs, USVs, and small vessels. These systems deliver high resolutions bathymetric and acoustic imaging data, essential for mine countermeasures (MCM), underwater archaeology, and infrastructure monitoring.NORBIT Security focuses on intruder detection sonar (DDS), offering automated classification and tracking of divers, UUVs, and other underwater threats, particularly in strategic maritime zones.Integrated EO/IR camera systems and mission management software extend situational awareness to the surface, supporting coastal surveillance and fast response to rise allert, deterrence or mission actions.NORBIT's systems are modular, scalable, and interoperable, designed to support defense, civil protection, and infrastructure operators. Through this integrated approach, NORBIT transforms the unseen maritime domain into a monitored and manageable environment, ensuring proactive threat prevention and missions success.

POC pending official confirmation **TBD** to be defined **TBC** to be confirmed

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TIME	LOCATION	AGENDA
12.30 - 13.00	PITCH AREA	**SEA SKY TECHNOLOGIES SRL** **LUCIANO BOZZI** *CEO & Founder* ***Remotely Controlled Buoys - A Safety Enhancement at sea*** A remotely controlled buoy with satellite connectivity will be presented. Monitoring the buoy status, its functionalities and its controlling parameters (batteries, lantern flashing, solar panel performances, etc.) allows for a Condition-based maintenance rather than a preventive/periodic by operators in their Remote Operator Center.
14.00 - 14.30	PITCH AREA	**FERNANDEZ JOVE GROUP** **SERGIO REVUELTA** *Italy Area Manager* ***Fernandez Jove Group's Commitment to the European Naval Defense Sector*** The presentation will introduce the Fernandez Jove Group and its long-standing commitment to the European naval defense sector, with over 25 years of experience delivering certified, high-performance solutions for military shipbuilding. While the group includes Hawke Transit System (HTS), a well-established provider of cable and pipe sealing systems (MCT), the focus will be on Fernandez Jove (FJ) and its advanced remote valve control systems, specifically engineered for marine military applications. These systems — developed in-house by FJ - integrate electrical, pneumatic, and electro-pneumatic technologies, offering precise control, enhanced safety, and full compatibility with complex naval platforms. The valves themselves are manufactured under our proprietary brand SAVAL, ensuring full traceability, quality assurance, and compliance with naval standards. These systems have already been successfully tested and deployed on combat vessels in various European defense programs, demonstrating their reliability and operational value. The presentation will emphasize the group's European manufacturing base, technical innovation, and strategic alignment with future naval defense requirements,

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TIME	LOCATION	AGENDA
14.30 - 15.00	PITCH AREA	**NEOEAST SOC. COOP.** **ANTONIO ESPOSITO** *President* ***NEOEAST – Innovation and Sustainability with the MMP (Marine Microplastic Separator)*** NEOEAST is an innovative startup that develops technological solutions for the Blue Economy, with a strong focus on sustainability and digital innovation. Founded in 2024, it has already launched concrete projects such as SHAREBOAT, a low-impact boat rental and sharing platform, and is developing new technologies for monitoring and protecting marine ecosystems. Every year, over 11 million tons of plastic end up in our oceans, putting marine biodiversity at risk. In response to this emergency, European companies, starting in 2026, will be required to comply with EU Regulation 2023/2055, which mandates the monitoring and reporting of microplastic dispersions. In this context, NEOEAST presents at SEAFUTURE the Marine Microplastic Separator (MMP), a cutting-edge system designed to monitor and separate microplastics directly from water. This device can be installed both on outboard boat engines and on industrial drains. NEOEAST's MMP represents a synergy between technology, sustainability, and market opportunity. It is a strategic tool for companies, institutions, and stakeholders in the maritime sector who wish not only to comply with future regulations but also to actively contribute to the protection of our seas..
15.30 - 16.00	PITCH AREA	**SANTI DIVING - NAUTICA MARE** **ŁUKASZ CHŁOPECKI** *General Sales Director* ***FARO - Groundbreaking Innovation in Diving Technology*** *FARO underwater computer. This hands-free device, equipped with augmented reality, is not just a diving computer — it's a fully customisable system designed to enhance diver safety, focus, and mission efficiency. Mounted directly on your dive mask, FARO projects critical data right into your field of vision, allowing you to concentrate on what matters most — your dive. With advanced features like configurable alarms, multiple diving modes, and seamless control via an intuitive knob interface, FARO represents the next generation of smart diving equipment. Let's dive deeper into how this revolutionary tool works and why it's set to redefine underwater exploration*

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TIME	LOCATION	AGENDA
16.00 - 16.20	PITCH AREA	**SUNCUBES** **ALBERTO CHIOZZI** *Chief Executive Officer* ***Naval High-Power Laser Pointing Platform for Power Beaming, FSO Communication and Counter-UAS Operations*** SunCubes presents a multi-mission laser platform designed for deployment in naval and maritime defense scenarios. The system combines wireless power beaming, free-space optical (FSO) communication, and Counter-UAS (C-UAS) capabilities within a single, compact and highly precise pointing unit. At its core lies an ultra-fast, high-accuracy tracking system capable of detecting, locking onto, and following moving aerial targets (e.g., drones or UAVs). Once the target is acquired, the platform can project a collimated laser beam for: - Power beaming: recharging onboard receivers mounted on friendly drones, enabling extended autonomous operations at sea without the need for landing or contact-based docking. - Directed-energy countermeasures: disabling hostile drones by focusing a high-power beam on a fixed point of the target, acting as a soft-kill or hard-kill solution depending on configuration. - Free-Space Optical Communication (FSO): using a secondary laser in parallel to establish an encrypted, interference-free communication channel with the same optical receiver used for power transfer. This modular and scalable solution is particularly suited for naval vessels, enabling autonomous mission support, tactical defense, and secure data transmission, all from a single integrated platform.
16.30 - 17.00	PITCH AREA	**PANASONIC CONNECT EUROPE GMBH** **LUCA SANTONICO** *Kam & Pam Italia* ***Robust and Intelligent Technology: AI, Cybersecurity, and Onboard Integration*** In the increasingly digitalized maritime sector, the integration of artificial intelligence, cybersecurity, and rugged devices represents a cornerstone for safe and efficient onboard operations. This presentation explores how hardware devices designed for extreme environments can become intelligent nodes within a connected ecosystem, capable of dynamically adapting to the surrounding environment. Practical solutions and use cases will be presented, showcasing technological evolution in the fields of navigation, predictive maintenance, and cybersecurity, with a focus on the strategic role of rugged device vendors.

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17.00 - 17.20	PITCH AREA	**GERRISBOATS** **MASSIMO VERME** *CEO* ***GerrisPatrol and GerrisDrone*** It's an innovative startup for the development of a patented variable mode hull design, made by a torpedo and side hulls . A hull that reduces hydrodynamic resistance to almost nothing. The core of our technology: an hybrid foil hull platform with movable components and a self contained unit for propulsion and energy storage: the torpedo. A new technology: Torpedo, hulls, AI and foils in synergy! For defense and security needs, our technology is highly aligned with NATO's requirements for situational awareness and decision-making. The submerged torpedo is ideal for marine drones (USVs/UUVs), housing propulsion, energy storage, and various sensors. The modular design of our retractable torpedo makes it ideal for autonomous platforms, capable of hosting not only propulsion and energy storage but also sensors critical for situational awareness. We are actively developing a drone version derived from our 8-meter platform and a larger autonomous patrol vessel (16-20m). The torpedo's capacity to host sensors directly supports the need for vehicle-borne sensing systems, and our approach aligns with the integration of AI-driven analytics for processing large volumes of sensor data, detecting, locating, and characterizing unknown vehicles.
17.30 - 18.00	PITCH AREA	**NOVAC** **MATTIA COLALONGO** *R&D Scientist* ***Novac - High Performance Supercapacitors*** Novac is an Italian deep-tech startup pioneering next-generation high-power supercapacitor cells and packs in a unique pouch format, enabling compact, lightweight, and safe energy storage for demanding applications.

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9:00 - 9:20	PITCH AREA	**ODU ITALIA SRL** **PAOLO MAGNI** *Sales Manager Italy* ***ODU Expanded Beam Performance technology applied to fiber optic connectors*** The Expanded Beam Performance by ODU is an innovative (and unique on the market) fiber optic interface combining the PROs of Expanded Beam interfaces (enabling a non-contact coupling of the ferrules with lens, making the optical interface less sensitive to environmental contamination) with the high transmission performance typical of Physical Contact (PC) interfaces: IL < 0.3 dB and RL > 55 dB, both for single and multi-mode optical transmissions. Moreover, the connectors equipped with Expanded Beam Technology don't need the cleaning of the optical surfaces at every mating cycle but they need a rough cleaning (just blowing compressed air) after 5000 mating cycles, thus demonstrating the level of robustness of such innovative contact technology. This technology is therefore a game changer in the communications over fiber optics for applications in harsh/dirty environments, typical of outdoor operations.
9:30 - 10:00	PITCH AREA	**A.ST.I.M. SRL** **ELISABETTA MINGHELLI** *Chief Procurement Officer* ***The future of procurement: NORTH!*** In today's world, where geopolitical tensions, climate crises, and post-pandemic disruptions continue to challenge global supply chains, ASTIM Srl proudly launches North! — a forward-looking, strategic improvement program designed to strengthen procurement as a key enabler of resilience, agility, and sustainable growth. North! is more than just a name: it's a mindset, a compass to navigate complexity with clarity, purpose, and confidence. In an environment where traditional sourcing models are no longer sufficient, ASTIM repositions procurement at the center of value creation — driving trust, fostering supplier collaboration, and leveraging real-time data and AI to make faster, smarter decisions. By integrating advanced planning, ESG principles, and technology, North! empowers ASTIM and its partners to face uncertainty as a united, future-ready ecosystem. It is a bold step toward a new era of procurement — one that doesn't just respond to global change, but leads it.

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10:00 - 10:20	PITCH AREA	**HILTI ITALIA SPA** **MATTEO GEMELLI** *Head of Global Shipbuilding* ***Hilti - Driving a revolution in the Shipbuilding & Shiprepair industries*** Since the early 2000s, Hilti has played an active and strategic role in the shipbuilding and ship repair sectors, consistently striving to introduce innovative solutions aimed at optimizing construction processes within shipyards. While Hilti is widely recognized for its high-performance and durable tools, the company's value proposition extends far beyond this reputation. In 2017, Hilti expanded its capabilities by acquiring Oglaend System, which is now fully integrated into the Group. This acquisition significantly enhanced Hilti's portfolio of cable management solutions, particularly within the maritime and offshore segments. Leveraging its robust business model, a global presence in over 120 countries, and a workforce of nearly 35,000 employees, Hilti is uniquely positioned to engage with the entire value chain. This includes classification societies, design firms, shipowners, shipyards, subcontractors, and equipment manufacturers. Hilti's strength as a reliable industry partner is underpinned by its comprehensive, end-to-end solutions, which are relevant to all key stakeholders: • Specialized Project Management: Hilti and Oglaend System operate dedicated Project Management Offices staffed with professionals experienced in maritime and offshore industries. These teams utilize proprietary software as well as widely adopted platforms such as AVEVA, 3DS, and CADMATIC. • Comprehensive Product Portfolio: Hilti and Oglaend System offer a full range of modular support and cable management solutions, including cable trays and ladders. • Advanced Fastening Technologies: Hilti provides multiple Fastening on Steel technologies to manage the interface between modular supports and vessel steel structures, including solutions for Aluminum as base material. These solutions can significantly reduce, or in some cases eliminate, the need for welding—depending on the application. • Firestop Solutions: Hilti offers effective solutions for managing onboard openings, ensuring compliance with fire safety standards. • Human Augmentation Tools: With a strong focus on R&D and health and safety, Hilti has developed innovative solutions such as the Shoulder Exoskeleton to enhance worker ergonomics and reduce physical strain. • Integrated Services: Beyond tools, Hilti delivers added value through integrated services such as Fleet Management (tool rental service) and ON!Track (asset management software and service), combining hardware with digital solutions. • Digital Project Management: The acquisition of Fieldwire has further strengthened Hilti's digital capabilities, providing customers with a powerful project management platform to streamline operations.

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		Hilti's overarching objective is to support all stakeholders in the maritime industry in becoming more competitive. This includes reducing total dock time, enhancing flexibility both onboard and in shipyards, and improving health and safety metrics by minimizing personnel onboard, welding fumes, and cable congestion. Furthermore, Hilti collaborates closely with clients to optimize design processes and structural elements—such as raised floors, bulkhead outfitting, false ceilings, and cable and pipe routing —by promoting a multidisciplinary and multigrid approach. These efforts contribute to weight reduction, improved fuel efficiency, and enhanced sustainability across the vessel lifecycle.
10:30 - 11:00	**PITCH** AREA	**ACCELERAT** **GIORGIOMARIA CICERO** *CEO & Co-Founder* ***Securing Embedded Software for Next-Generation Software-Defined Systems*** Modern cyber-physical systems, from ships and cars to robots and drones, are increasingly governed by software and AI, evolving into what we call Software□Defined Systems. To meet their growing mission demands, these systems are becoming increasingly complex, making complexity itself the major cybersecurity threat. As performance, integration, and cost-efficiency demands increase, so does the attack surface of such systems, creating a widening gap between capability and security. Accelerat tackles this challenge with CLARE and Bunkers: embedded software integrated into the chip built on a zero-trust model, operating where software interacts with the physical world. Benefits: (i) isolating critical and non-critical components, (ii) protecting proprietary AI models from theft and unauthorized access, and (iii) securing sensitve data and operation technology in safety-critical and/or human-centric environments. Without requiring extra hardware, these solutions enable reductions in size, weight, power consumption, and cost, while ensuring strong cybersecurity guarantees. This talk will explore why the escalating complexity of embedded systems demands a fundamental shift in how we approach cybersecurity, and how Accelerat's solutions meet that need
11:00 - 11:20	**PITCH** AREA	**HYDRA MONACO/TALÉO** **MARCO SAVONA** *CEO/Founder* ***Taléo Defence: Compact, Modular, Mission-Ready Connectivity*** Taléo Defence is a patented, lightweight dome designed to integrate both 5G and LEO satellite antennas (such as Starlink) into a single, compact, and mission-ready enclosure. Originally developed for the maritime industry, Taléo is now being adapted for defense and emergency applications, including coast guard vessels, tactical RHIBs, and portable emergency kits. Its modular design allows for rapid deployment in critical scenarios, while ensuring secure, resilient, and high-bandwidth communications — even in disconnected environments.

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11:30 - 12:00	PITCH AREA	**M.P.G. INSTRUMENTS**

LUCA GAMBERINI
Vice President sales and Marketing Ocean Reef

IDM NIII Mask and HD Range – M.P.G. Instruments and Ocean REEF Group
Presentation of an underwater communication system that enables a diver and "n" surface operators, even if located far from the dive site, to engage in fully interactive audio-video communication.

The Gamma HD is an audio-video communication system for surface and underwater operations, paired with the Neptune III integrated diving mask equipped with a camera and a wired audio communication unit. The surface unit can connect to the internet and manage video calls through platforms such as Zoom, Teams, etc. The diver can broadcast live images from underwater, describe them in real time, and directly participate in a multi-call where surface participants — just like in a standard land-based videoconference — can interact, request actions in the operational area, and observe the results.

12:00 - 12:20	PITCH AREA	**ANSYS**

DOMENICO LORICCHIO
Lead Application Engineer

Electromagnetic Simulation for Naval and Defense Applications
Electromagnetic (EM) simulation has become a critical tool in the design and analysis of advanced maritime and military systems. This presentation explores the application of EM modeling techniques to support mission-critical functionalities, such as Radar Cross Section (RCS) prediction for stealth evaluation, Inverse Synthetic Aperture Radar (ISAR) and Synthetic Aperture Radar (SAR) imaging for target identification and situational awareness, and Radiation Hazard (RADHAZ) assessment to ensure personnel safety and equipment compatibility aboard naval platforms. By leveraging full-wave and asymptotic solvers, engineers can model complex interactions between electromagnetic fields and large-scale structures in realistic operational environments. The integration of simulation into the design workflow accelerates development cycles, improves accuracy, and reduces the need for costly physical testing. Practical case studies and simulation results will be presented to demonstrate the effectiveness of these approaches in real-world defense and marine scenarios.

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12:30 - 13:00	PITCH AREA	**MYWAI** **FABRIZIO CARDINALI** *Co-Ceo* ***Machine Intelligence for All*** The NEPTUNE project, developed by MYWAI under the RAISE program, introduces a transformative approach to underwater intelligence through the integration of Underwater Digital Twins, AIoT (Artificial Intelligence of Things), and advanced Data Awareness technologies. This cutting-edge platform enables real-time monitoring and predictive management of submerged sensors, probes, and machinery —supporting both biomarine and industrial ecosystems while also providing a robust framework for the support of dual-use ISR (Intelligence, Surveillance, and Reconnaissance) missions. By fusing multisource data with AI-driven analytics, NEPTUNE enhances situational awareness, decision-making, and threat detection across maritime domains. It enables dynamic Underwater IoT data collection and intelligent dispatching directly to ROV, AUV, and DPV vehicles using EdgeAI during operational missions, serving both defense and industrial sectors. This capability delivers strategic actionable insights in complex underwater environments—from infrastructure surveillance to disaster response.
14:00 - 14:20	PITCH AREA	**MATHWORKS** **GIUSEPPE RIDINÒ** *Senior Application Engineer* ***A Deep Dive into AUV Digital Design Workflows*** Autonomous systems are inherently interdisciplinary, presenting engineering teams with the challenge of planning, communicating, and integrating various design aspects. This talk will address these challenges by demonstrating how a unified environment for developing an autonomous underwater vehicle (AUV) can facilitate trade studies, vehicle dynamics modeling, mapping, path planning, navigation, controls, and more, using an AUV example.
14:30 - 15:00	PITCH AREA	**EYEGAUGE** **FANTON ZAKHAROV** *Head of Business Development* ***Digitizing Resent and Legacy Fleets: Real-Time Data Collection Without Retrofit Hassles*** *EYEGAUGE is revolutionizing maritime digitalization with a non-intrusive, retrofit-friendly solution that enables real-time high-frequency data collection from vessels — regardless of age, type, or existing infrastructure. Our technology seamlessly integrates with performance platforms to support smarter decision-making, improved fuel efficiency, regulatory compliance, and predictive maintenance. In this talk, we'll showcase how our system bridges the digital gap for recently built and legacy ships, making data-driven operations accessible, efficient, and scalable.*

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15:00 - 15:20	PITCH AREA	**SEAMORETECH SA** **SOFIA DELGADO** *Senior Application Engineer* ***BrineValue: Zero-liquid-discharge technology that doubles freshwater from desalination and recovers minerals from brine*** *Nearly 20% of people face water scarcity, with desalination key to supply—but it wastes 60% as pollutant-rich brine. Disposal harms marine ecosystems, wastes energy and critical minerals, and is heavily regulated. Current brine solutions are costly and complex. A scalable, sustainable path to zero-liquid-discharge is urgently needed for operators, regulators, and Europe's mineral independence. Seamoretech offers a compact, modular Zero-Liquid Discharge (ZLD) unit that transforms brine into clean water and high-purity minerals at under 2kWh/m³—less than half the energy of conventional systems. Using advanced Forward Osmosis with a recyclable nanoparticle draw solution, and a patented electro-membrane reactor for selective mineral recovery, it delivers 100% brine reuse, low CO_2 emissions, and high system uptime. Housed in a plug-and-play container, it integrates into existing plants with no capex and operates on a pay-per-use model. With verified pilot results and real-time adaptive control, Seamoretech doubles freshwater output, recovers valuable minerals like magnesium and lithium, eliminates marine discharge, and supports EU ZLD goals—making brine a circular resource.*
15:30 - 16:00	PITCH AREA	**ELETTRONICA MARITTIMA** **ANTONELLO GIOVANELLI** *Technical director* ***Integration of Radio Communication System on Naval and Terrestral Platform*** *SYNERGIC APPROACH BETWEEN COOPERATIVE TECHNOLOGIES TO INCREASE PERFORMANCES, VERSATILITY AND LOGISTICAL EFFECTIVENESS.*
16:00 - 16:20	PITCH AREA	**RINA SERVICES S.P.A.** **PIETRO CORSI** *Naval Ships Project Manager* ***Certification of a Naval Unmanned Surface Vessel: the RINA Approach*** The integration of autonomous technologies in naval operations presents both opportunities and challenges in terms of safety, operability and regulatory compliance. While international regulatory efforts such as the IMO MASS Code are primarily focused on commercial shipping, the military sector remains largely governed by national standards and customized frameworks where the Naval Administration play a key role.

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		This paper explores RINA's approach to the certification of Naval Unmanned Surface Vessels, merging prescriptive rules and goal-based approaches. The certification approach consider several parameters in order to identify several hazardous level and the certification methodology include the evaluation of ConOps, Operational Design Domain (ODD) and the application of ALARP principles to ensure safety equivalence with manned vessels.
16:30 - 17:00	**PITCH** AREA	**INTERMARINE S.P.A.** **FRANCESCO MAIORANA** *Strategy & Commercial Director* ***NEW GENERATION MINEHUNTER - FROM MINEWARFARE TO SEABED SURVEILLANCE*** Despite naval mines are considered an old threat, recent conflicts shown the recrudescence and deterrence power of this weapon and the tactical and operational advantages of minefields.The 20th century witnessed the technological evolution of mines as well as the evolution of systems and platforms to counter it. In this context some Navies decided to adopt the standoff approach to carry out mine countermeasures operations losing the traditional MCM capability (Conventional MCM). Even though Maritime Unmanned Systems (MUS) have seen a wide operational use among many Navies, as a matter of facts, there are no Autonomous systems capable of carrying out all the cycle of MCM in full autonomy and MUS are far enough to deliver a capability barely comparable to the conventional MCM Platforms in terms of effectiveness and reliability. The main reason is represented by limitations of those systems in terms of operational autonomy, self-protection measures, communication, endurance, and above all challenges of defining the limit of the minefields. To drive the evolution of operational assets with the use and application of modern and disruptive technologies, INTERMARINE and Italian Navy undertook de-risking studies focused on maintaining the Conventional MCM capability with the Minehunter Vessel operating safely inside the minefield, and harnessing the integration of modern MUS to extend the operational capabilities of MCMVs. As a result, and strengthening the combination of traditional and future MCM Ops, the Minehunter continues to be the essential and most valuable asset and the unmanned vehicles act as force multiplier and capability gap filler, increasing the MCMVs features.In conclusion, INTERMARINE defined a new prototypal platform able to provide the optimal pairing of manned and unmanned systems for MCM operations. This challenge takes the name of "New Generation Minehunter".That consists of the best combination of traditional and future technologies in underwater operations, overcoming the mine warfare and reaching a wide spectrum of underwater operations, such as the new seabed surveillance acting in the control and protection of strategic underwater infrastructure and resources.

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17:00 - 17:20	PITCH AREA	**RENK GROUP** **MARCO HARTH** *Senior Sales Manager* ***"Survivability" - Optimized Propulsion for Future Frigates and Destroyers*** *RENK is an expert in designing, manufacturing and testing ship and marine propulsion systems for the entire range of naval vessels, especially for modern and highly developed combat ships. Based on decades of experience, we would like to show you, from the perspective of a transmission manufacturer, how various aspects of survivability can be advantageously taken into account and technically implemented in the direct design of a propulsion system and in cooperation with the shipyard and the naval user. Since RENK not only develops and supplies marine gearboxesand complete propulsion systems, including hybrid solutions, but is also an expert in the field of Propulsion System Integration (PSI), this knowledge can be transferred to the entire propulsion train in close cooperation with high-caliber shipbuilding partners*
17:30 - 18:00	PITCH AREA	**SHIELD AI** **CHRIS BRINKLEY** *Sr. Director of Business development* ***Autonomy at Sea: V-BAT's Role in Shaping the Future of Maritime ISR & Targeting*** *As naval operations face increasing threats from peer adversaries, autonomy is emerging as a decisive advantage. This talk explores how the V-BAT UAS, powered by Shield AI's Hivemind autonomy software and enabled by V-BAT ViDAR, is transforming maritime ISR and precision strike in contested environments. Drawing from battlefield experience in Ukraine and recent integration efforts with NATO partners, we will outline how V-BAT offers persistent, expeditionary, and resilient capabilities at sea and from shore — all without reliance on GPS or a remote pilot.*

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9:00 - 9:20	PITCH AREA	**OFFICINE MARIO DORIN**

MASSIMO CASINI
Sales International Manager - CEO Asia Pacific - PR

Decarbonizing Marine & Defense HVAC&R with CO_2 Refrigeration. A Future-Proof Approach with Officine Mario Dorin SpA CD Range of Compressors

The marine and defense sectors are under rising pressure to reduce greenhouse gas emissions and align with evolving climate regulations. The EU F-gas Regulation (EU 2024/573) now mandates a 95% reduction in HFC availability by 2036, alongside bans on high-GWP refrigerants (GWP > 750) in new systems.

Why CO_2 (R-744)?

- Ultra-low GWP = 1: Fully compliant with global F-gas and Kigali Amendment goals.
- Non-toxic & non-flammable: Ideal for safety-critical environments.
- High efficiency in transcritical and cascade systems.
- Proven performance in extreme and mobile applications, including naval vessels, submarines, and offshore platforms.

Technology Spotlight: Officine Mario Dorin CD Compressor Range

Dorin's CD range of semi-hermetic reciprocating compressors is a cornerstone for reliable CO_2 refrigeration in demanding applications:

✓ Optimized for CO_2: High isentropic efficiency at transcritical pressures.
✓ Marine-Grade Durability: Corrosion-resistant design, low vibration, and robust construction.
✓ Compact & Scalable: Ideal for confined spaces or modular rack/container units.
✓ Compatible with VFDs for energy-efficient variable load operation.
✓ Quiet Operation: Essential for defense stealth requirements and onboard crew comfort.

Key range: CD6 - designed for medium-temperature CO_2 applications with a focus on noise reduction and high reliability.

Pathway to Decarbonization

1. Replace legacy HFC systems with CO_2-based HVAC&R technologies.
2. Integrate heat recovery and smart controls for enhanced energy utilization.
3. Adopt inverter-driven compressors for dynamic performance and load matching.
4. Use modular CO_2 racks for retrofits or mobile defense units.

Strategic Benefits

- Regulatory compliance with current and future F-gas and defense sustainability mandates.
- Reduced carbon footprint and lifecycle emissions.
- Improved system resilience under harsh and mission-critical conditions.
- Supports Net Zero Defense initiatives and ESG goals.

CO_2 is not just a refrigerant — it's a strategic enabler for sustainable, high-performance defense and marine operations.

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TIME	LOCATION	AGENDA
9:30 - 10:00	PITCH AREA	**INNOVAPHONE**

KLAUS WALLNÖFER
Country Manager Italy | Management Team

Secure and Resilient Communication in Demanding Environments: A European Imperative

Security, resilience, and interoperability are paramount for communication in today's demanding environments. With modern communication systems now universally IP-based, cybersecurity has become a top priority. This encompasses not only robust protection against hacking, malware, and ransomware, but also the secure separation of networks on ships, between civilian and military, crew and passenger.
A widespread, concerning issue is the "toleration" of backdoors – often ignored or dismissed with a declaration, undermining the very foundation of security.
Furthermore, fault tolerance is crucial. Systems must remain operational even if communication channels fail or experience high latency (e.g. in satellite systems).
This demands the ability to function reliably under adverse conditions.
Beyond this, a critical but frequently overlooked aspect is that system redundancy alone isn't enough; each component must also be sufficiently fast and reliable, especially during crucial moments like reboots.
The seamless integration of diverse communication systems into a coherent and interoperable network even including OT presents a significant challenge. In modern IP-based systems, Intercom, Crew PBX and Pax PBX are integrated into one system, also to enable central and if required remote monitoring, setup and upgrade. The handling without loggin or controlling of vital systems is unthinkable today. This means that many of today's small analog and unmonitored systems will have to be replaced.
Finally, digital sovereignty is mandatory.
Today's communication systems are rich data generators. They capture everything from basic reporting and voice recordings to complex interactions across chat, collaboration platforms, conferences, project management, or crew resource management. Understanding and leveraging this diverse and intricate data landscape is crucial for optimizing operations and decision-making.
Our comprehensive European approach ensures that our communication infrastructure can withstand the complexities of modern challenges.

STRATEGIC SPONSOR FINCANTIERI

29 SEPT - 2 OCT 2025 LA SPEZIA NAVAL BASE

WEDNESDAY 1 OCTOBER

TIME	LOCATION	AGENDA
10:00 - 10:20	PITCH AREA	**SHORELINK** **KAUPO LÄÄNERAND** *Chief Commercial and Strategy Officer* ***Shore power – the way forward to sustainable ports*** Shore power – the way forward to sustainable ports.We will share innovative shore power solutions for different vessel types, helping ports and shipowners reduce emissions, noise, and fuel consumption while supporting global sustainability goals. Drawing on lessons learned from industry frontrunners, we will explore how to make the shore power transition smooth, how to prepare for such projects, and what key factors to consider during planning and implementation. We will also present different connection options for various vessel types to help you choose the right solution for your operations.
10:30 - 11:00	PITCH AREA	**AMPSTAY WIND ENERGY GMBH** **HARALD HACKENBERG** *CEO* ***ampStay, blue renewable wind powered electric energy for sailing yachts*** Sustainable and autonomous electric power supply is increasingly in demand for sailing yachts. Be it for navigation, entertainment electronics or simply for comforts like refrigerator, air conditioning, etc. Photovoltaic can cover one part, but only if sky is not overcast and not at night. The obvious use of wind energy on board has not yet been able to establish itself widely due to technical and operational disadvantages of existing products. ampStay has developed a new, globally unique wind turbine for generating electric power on sailing yachts. Different areas of application are also possible for this innovative product. Unlike all other wind turbines, ampStay rotates around the yacht's backstay (or any other steel cable), is whisper quiet, modular, easy to install and can be operated up to a 45 degrees angle. It works day and night and once there is wind, it generates more electric power (amps) than demanded for an average sailing yacht between 35 and 60 feet hull length.
11:00 - 13:00	PITCH AREA	**GREEN&BLUE INNOVATION HUB** ***MARINE RENEWABLE ENERGY*** IN PARTNERSHIP WITH OWEMES/AERO

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TIME	LOCATION	AGENDA
14:00 - 14:20	PITCH AREA	**AVL ITALIA** **GIULIO MARMORATO** *Solution and Innovation Team Leader* ***A Proven Digital Toolchain for Optimizing Naval Platform Systems*** Achieving superior reliability and performance in complex naval systems requires a move from reactive maintenance to predictive, intelligent control. AVL introduces an integrated toolchain designed for this purpose, providing a holistic solution for managing ship-wide electrical, mechanical, and automation assets. Our platform is built on three core pillars: • Predictive Analytics & Models: To anticipate component failure and optimize operational envelopes. • Continuous Health Monitoring: For real-time diagnostics and condition-based maintenance. • Advanced Human-Machine Interfaces: To translate complex data into actionable intelligence for the crew. Though originally developed for large-scale industrial applications, these solutions are highly transferable to the maritime sector. Our presentation will detail the technology's application to main power grids and critical onboard services, featuring specific naval use cases that validate its immediate impact on platform availability and mission readiness.
14:30 - 15:00	PITCH AREA	**DASSAULT SYSTEMES** **WOUTER VAN DER VELDEN** *SIMULIA Industry Process Expert Senior Manager* *Renewables, Marine & Offshore* ***Structural Design and Simulation with Digital Continuity*** In complex shipbuilding projects, digital continuity between structural design and simulation is essential. By unifying these traditionally separate disciplines, MODSIM on the 3DEXPERIENCE platform enables marine and offshore engineers to streamline workflows, reduce cycle times, and respond quickly to bid or design requests with confidence.
15:00 - 15:20	PITCH AREA	**DASSAULT SYSTEMES** **SOHAIB TELHIMT KASMI** *Global Marine Business Consultant* ***Smart Shipyard to Deliver On-Time and On-Budget*** Shipyards are currently facing major challenges such as on-time delivery of ships, optimizing shipyard infrastructure, and managing the lack of skilled workforce. The smart shipyard's model-based approach provides practical and intelligent solutions to overcome this challenges , optimizing resources and operations across all production phases. By leveraging virtual technology powered by AI, robotics for assembly and quality inspection, shipyards will increase competitiveness, eliminate highly repetitive tasks, and reduce inefficient processes—ensuring ships are delivered on-time and on-budget

POC pending official confirmation **TBD** to be defined **TBC** to be confirmed

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		The core differentiator lies in Dassault Systèmes' ability to connect structural modeling directly with simulation. By automatically generating a finite element (FEM) model from the structural design, engineers eliminate time-consuming manual steps and avoid non-value adding activities. This automated continuity ensures consistency between design intent and simulation results, reducing errors and enabling fast iteration.
15:30 - 16:00	**PITCH** AREA	**MEPECO** **JACKIE GUO** *Business Development Lead* ***Sound Advice: Understanding Underwater Radiated Noise for Oceanic Sustainability*** By the year 2050, at least 50% of GHG emissions from shipping will be reduced — as mandated by the IMO. At the same time, the IMO has recognized underwater radiated noise (URN) from shipping as an unseen issue and must also be reduced. For years we've seen underwater noise levels rise due to shipping. However, due to its invisible nature and the challenges of measuring it, ocean noise has not been prioritized or even named as an issue. This session, titled, Sound Advice: Understanding Underwater Radiated Noise for Oceanic Sustainability will explore the relationship between the technology being used to measure URN and the practical implication of this technology. Discover the latest research and strategic approaches designed to address a common goal. Our speakers will also cover the critical role of oceanic sustainability and how concerted efforts to mitigate greenhouse gas emissions can go hand-in-hand with minimizing the impact of underwater radiated noise on marine ecosystems.
16:00 - 16:20	**PITCH** AREA	**INFODAS GMBH** **PAOLO PEZZOLA** *Sales Account Manager - Int. Organizations* ***Enabling Data Centric Security for Multi Domain Operations*** Multi Domain Operations (MDOs) represent a complex and dynamic battlefield environment where secure, timely, and interoperable information sharing is critical for achieving decision dominance. Traditional security models based on "need-to-know" are insufficient in this context. Instead, a shift towards Data Centric Security (DCS) is required—where data is persistent, synchronized, securely exchanged on a "need-to-share" basis, and available exactly when needed. This presentation outlines a comprehensive approach to enabling DCS in MDOs by addressing the unique challenges posed by the volume, variety, velocity, veracity, and value of data—known as the "Red Hat 5 Vs." Massive data streams must be efficiently managed without overwhelming networks; heterogeneous data formats require seamless interoperability;

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rapid processing is essential to support real-time decisions; data trustworthiness must be assured to avoid mission failure; and raw data must be transformed into actionable intelligence through advanced analytics and AI. Our solution leverages over two decades of expertise in accredited cross domain solutions to provide a flexible, scalable, and sovereign-capable architecture that supports secure information exchange across multiple security domains. Key features include: Defense in depth with a "trust but verify" approach, ensuring separation of duties and trust boundaries. Compliance with multiple NATO STANAGs to guarantee interoperability and alignment with allied standards. Cloud-extendable and virtualized deployments that respect sovereign requirements and enable integration with existing networks. A modular and extensible design that accommodates evolving operational needs, new standards, and emerging technologies. This architecture enables secure high-volume data exchange, real-time policy-driven transfers, and trusted data flows with validation and classification controls. It also supports integration of AI-driven insights to enhance situational awareness and decision-making speed. By focusing on information advantage and decision dominance, this approach empowers commanders to sense, understand, decide, act, and assess faster and more effectively than adversaries in multi-domain environments. The result is a resilient, adaptive, and decisive employment of information systems that fundamentally transforms how data is secured and utilized in modern military operations

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16:30 - 17:00 | **PITCH AREA**

SETEL

AXEL NYBERG
Algorithm Lead

Mission Engineering: Optimizing Naval Capability in Constrained, Dynamic Scenarios

Naval operations demand high mission readiness, to ensure agility, precision, and success in the face of evolving threats and under strict constraints on cost, volume, and weight. This presentation explores a compelling use case: a modern naval vessel deployed on a complex, month-long mission, operating across surveillance, SAR, and combat modes. Through this scenario, we demonstrate how Opus Evo decides on the correct onboard spare parts and maintenance resources for maximum mission capability while staying within operational limits. Attendees will gain insights into how advanced analytics, (in this case simulation and optimization) can improve operational effectiveness, and enable smarter, faster decisions in high-stakes maritime environments.

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29 SEPT - 2 OCT 2025 LA SPEZIA NAVAL BASE

WEDNESDAY 1 OCTOBER

TIME	LOCATION	AGENDA
17:00 - 17:20	PITCH AREA	**ELAC SONAR GMBH** **DENNIS KUNDE-RIEMER** *Teamleader Technical Product Management* ***ENLITOR: Hunting submerged contacts with an acoustic tripwire*** With ENLITOR, ELAC SONAR created a Seabed Warfare solution that allows to span an acoustic tripwire over a distance of up to 200 km. By using state of the art optical hydrophones placed permanently on the seabed, live data are available for processing ashore. Sophisticated algorithms hardned by the demanding needs of submarine sonar suites and now blended with state of the art processing capabilities are fused with above sea surface information to provide 24/7 threat detection under all weather conditions. Full domain awareness in the remotest areas, closing of maritime choke points on assessible cost and an open system approach. ELAC SONAR presents concepts, approach, and real world experimentation results. Presentation covers the topic from an operational perspective and highlights the technical solution.
17:30 - 18:00	PITCH AREA	**VULKAN ITALIA** **TBD** ***LTX Series, new way of thinking about Waterjet propulsion: inspired by Nature, Engineered for the Future*** Launched in 2023, the LTX series marks a breakthrough in low- to medium-speed propulsion, a segment traditionally dominated by propeller systems. The LTX36 and LTX53 models draw inspiration from the moon jellyfish – nature's most efficient swimmer – replicating its principle of propulsion: large nozzle, low velocity, minimal energy input.The result has been Propeller-like efficiency at lower speeds, combined with all the advantages of waterjet propulsion: shallow water capability, enhanced safety, and unmatched maneuverability.The 20 m passenger ferry Inselexpress 2, built in the Netherlands and equipped with twin LTX36 jets, reached 23.5 knots during trials in May 2025, fully validating the LTX's technical promises and opening new horizons for propulsion in the 20–30 knot range.

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9:00 - 9:20	PITCH AREA	**CONSILIUM ITALY S.R.L.** **FABRIZIO ZANELLA, ANGELO MARIOTTI** *Sale engineer, Sales and After Sales Manager* ***Fire & Gas Early detection and prevention applied to onboard internal Hazard*** *We will highlight the risk of Fire that are typically present on board a naval vessel, with a Focus on the importance of an Early detection(or even fire prevention) and clear a immediate situation awareness going beyond a "Classic Fire detection system".*
9:30 - 10:00	PITCH AREA	**GLAMOX AS** **MARKUS LUNDQVIST** *Product Manager Searchlights* ***Searchlight technology is changing at its core*** *Glamox is leading the way in redefining searchlights for multipurpose use meeting the requirements of tomorrow users..*
10:00 - 10:20	PITCH AREA	**MDM TEAM S.R.L.** **ANGELO D'AMANTE** *Software Engineer* ***Biochemical Data Sampling with Unmanned Surface Platforms in EU RHE-Mediation Project*** The Horizon Europe project RHE-MEDiation addresses coastal chemical pollution on two tightly connected fronts: (i) remediation technology, and (ii) observation technology. Remediation pillar — The consortium is piloting a micro-algae–based treatment module that can be grafted onto new or existing water- and wastewater-treatment plants. Early bench tests show enhanced removal of heavy metals, pesticides, PFAS and other "forever chemicals"; forthcoming Mediterranean trials will provide the first full-scale validation under operational loads. Observation pillar — To characterise pollutant dynamics in real time, two complementary marine-surface units have been developed: • Scylla: Low Cost IoT Marine Drifter: a low-cost, unmotorised unit deployed within predefined coastal region to collect low-frequency data and upload them into a cloud service; • Cariddi: Autonomous Surface Vehicle (ASV): a motorised platform that performs complex spatial high-frequency sampling to provide an assessment of the distribution of relevant measurements such as pH, Electrical Conductivity, Dissolved Oxigen, over a specific area etc. Both Scylla and Cariddi units, are providing geo-tagged data, in order to feed the European Commission's EMODnet portal and improve the associated Digital Twin of the Ocean. Two sea trials were conducted in Greece and T¨urkiye, to collect datasets of measurements relative to the sea water. Results have demonstrated the user-friendliness and the effectiveness of these unmanned platforms to acquire data and provide a immediate access to results via a propertary cloud system.

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10:30 - 11:00	PITCH AREA	**MED SRL** **ANDREA IANNUZZI** *Product & Sales Manager – Med Defense* ***The Italian excellence of MED DEFENSE*** Research and development are fundamental elements that characterize the growth of MED DEFENSE. The company is specialized since 2015 in providing unique solutions of Rhib and special boats that functionally meet the requests of customers with specific needs: Coast Guard, Carabinieri, Italian Port Authority, Fire Brigade, State Police and Comsubin. MED DEFENSE develops its product line by integrating cutting-edge technical solutions to guarantee high performance, attention to detail, ergonomics of the products and strength of the components. Seafuture 2025 is the occasion to present the project of two 10,5m oceanographic vessels supplied to the Ship Niom produced by Fincantieri for the Italian Navy. These vessels will be used for research related to obstacles, artefacts and wrecks and measurements of the parameters of water masses and of the composition of the seabed. Another MED DEFENSE major project involving the provision of 16 raiding crafts to NAVARM will be presented during the event.
11:00 - 11:20	PITCH AREA	**OCEAN SONICS** **FARHAD SARKER** *Technical Sales Lead* ***Smart Listening: Real-Time Acoustic Monitoring for Underwater Radiated Noise*** Ocean Sonics is at the forefront of developing advanced technology to measure and understand Underwater Radiated Noise (URN) from vessels and industrial activity. Our icListen Smart Hydrophones provide high-resolution, real-time acoustic data that enable ports, researchers, and ship operators to assess their acoustic footprint and align with emerging regulations, such as those from the IMO and Green Marine. By integrating precise timing, autonomous deployment capabilities, and intuitive software tools like Lucy II, Ocean Sonics is making URN monitoring more accessible, scalable, and reliable. Our goal is to support sustainable ocean operations by turning sound into actionable data for vessel owners.
11:30 - 12:00	PITCH AREA	**EXAIL** **MAXIME LE ROY** ***Leading underwater activities: how Exail support subsea defense*** Exail develops cutting-edge technologies to support critical subsea operations, addressing the growing strategic importance of underwater domains. With over 80% of the seafloor still unexplored and increasing reliance on the sea for energy, data, and infrastructure, the demand for secure and resilient maritime solutions is higher than ever—particularly in light of hybrid threats and asymmetrical warfare.

POC pending official confirmation **TBD** to be defined **TBC** to be confirmed

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		The EU has emphasized the need to protect critical maritime infrastructure, and Italy is taking concrete steps in this direction. Navigating the underwater environment poses unique challenges—such as harsh conditions, lack of GNSS, and low visibility—making reliable positioning and navigation essential across defense, dual-use, and commercial sectors. Exail meets these needs through advanced, vertically integrated solutions, including Fiber Optic Gyroscope (FOG)-based Inertial Navigation Systems, often paired with aiding sensors like DVLs, and integrated into both manned and unmanned underwater platforms. Proudly partnering with a wide range of Italian companies—both established and emerging—Exail supports the advancement of Italy's subsea capabilities. Today, we're pleased to share the experiences of some of these partners, who are successfully applying our technology in their innovative projects.
12:00 - 12:20	**PITCH** AREA	**MACARTNEY ITALY SRL** **STEFANO CANARUTTO** ***Hardware Infrastructure and data link for seabed-based surveillance*** From ocean science to marine & offshore and naval projects, MacArtney operates historically into the the integration of multiple sensors and capabilities, granting the needed backbone for any complex seabed-based network. Recognising that one-size-fits-all solutions do not apply to seabed operations, MacArtney introduces DOMUS, an approach based on our underwater technology expertise to offer broad and flexible integration for reliable subsea applications, with a strong focus into seabed-based nodes aimed to the underwater surveillance. With a growing focus on efficient solutions for subsea infrastructure surveillance, spanning defence, communication, energy production, scientific research, and environmental monitoring, MacArtney DOMUS is designed to meet diverse requirements maintaining a cutting edge level of flexibility.
12:30 - 13:00	**PITCH** AREA	**BATTOCCHIO SRL** **MAURIZIO BATTOCCHIO** *CEO & MORE* ***Human Machine Interfaces on the Sea*** HMI - humani machine interfaces for cruise, vassels, yacht, defense. User friendly, Enviromental friendly, innovation and reliability. FLexible sensors and smart textiles for nautical and safetly equipment

TIME	LOCATION	AGENDA
14:00 - 14:20	**PITCH** AREA	**WARTSILA ITALIA S.P.A.** **STEFANO RASCIONI** *GM Sales, Integrated System and Solutions* ***Hybridization as main driver for future vessels*** The VDS offers tangible benefits. It ensures basic hygiene in humanitarian and rescue missions at sea, protects troops during field operations, and makes public transport safer for passengers. In an era of increased biosecurity awareness, our patented and recognized technology is ready to meet the health challenges of the future.
14:30 - 15:00	**PITCH** AREA	**TEST 1 SRL SB** **RICCARDO CLEMENTE** *Account Executive* ***FoamFlex: Next-Generation Response to Oil Spills*** T1 Solutions presents FoamFlex, an innovative and reusable oleophilic sponge designed for rapid and effective oil spill response in marine environments. FoamFlex™ is capable of absorbing up to 25 times its weight in hydrocarbons while remaining selective against water. We'll explore its field applications, including case studies, and discuss how this technology can improve operational readiness, reduce costs and waste, and align with sustainability goals in the maritime sectors.
15:00 - 15:20	**PITCH** AREA	**VDS - OFIUCO M19 SRL** **DAVIDE BENEDETTO BELLITTERI** *Founder & CEO* ***VDS for Maritime and Defense: Integrated Sanitation Solutions for Vehicles and Toilet Modules*** In recent years, we've seen how quickly germs can spread in crowded places like public transport, shared bathrooms on ships, and temporary military bases. This compromises the health of everyone involved and the success of any mission. Our solution is a rapid, automated, and certified sanitization platform. It was originally designed for public vehicles but has been adapted for modular bathrooms and showers used on ships, in ports, and at military bases. The system is fully automated, can be controlled remotely via an app, and is flexible enough to be installed on any vehicle or mobile infrastructure.