



SUPERYACHT SECURITY

AIR, SURFACE AND UNDERWATER
SECURITY AND PRIVACY
PROTECTION

marss.com



MARSS

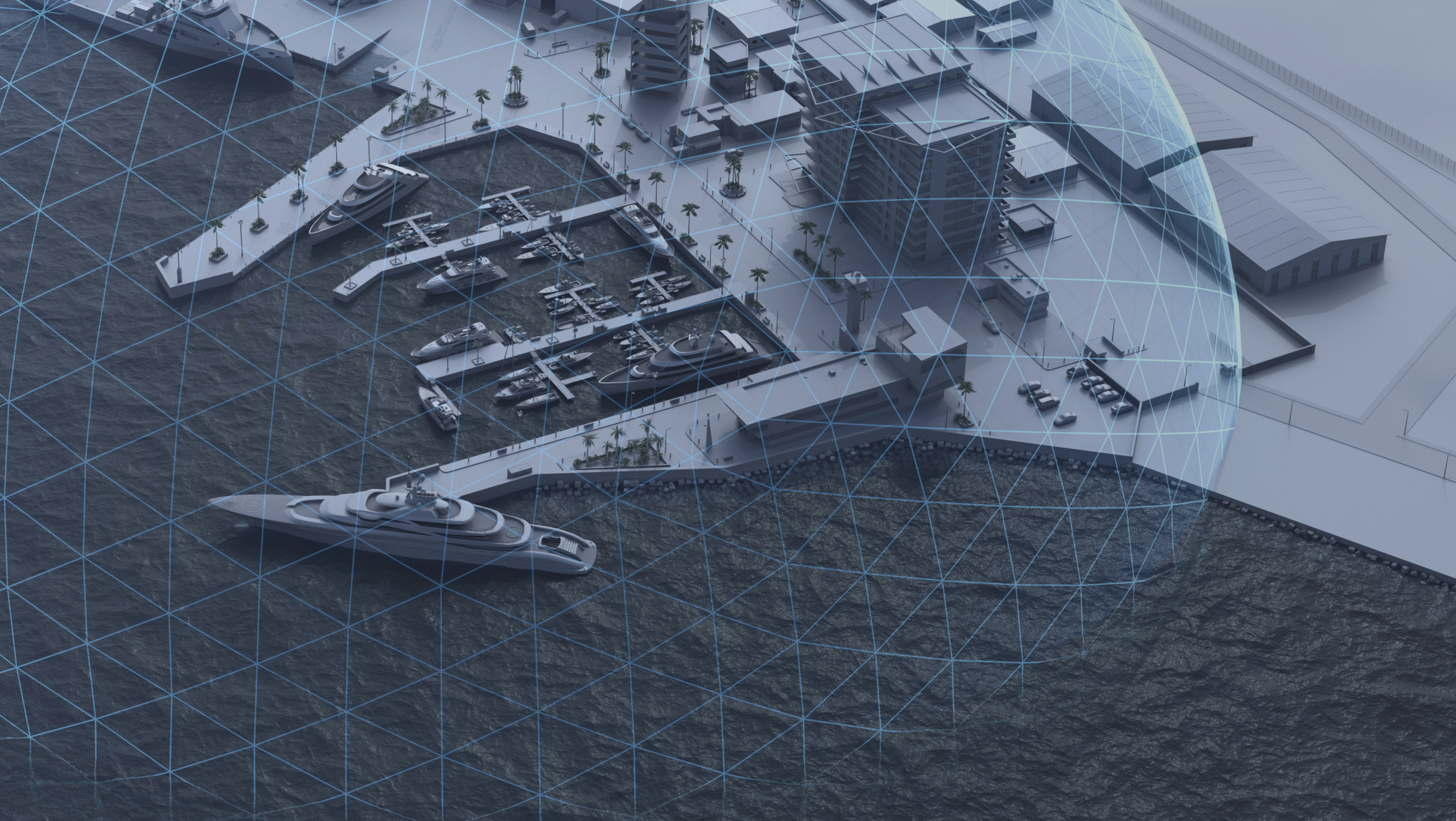
SEAMLESS SECURITY 24/7

MARSS NiDAR provides long-range, multi-layer perimeter security to a mothership, tenders, toys, guests and crew. This is achieved using the latest sensor technology linked via our proprietary command and control touch user interface with data fusion and machine learning capability.

NIDAR seamlessly monitors, identifies and tracks manned and unmanned air, surface and underwater objects in real-time, alerting operators to take appropriate action.

MARSS systems are modular and scalable to an individual vessel and customer requirements, operating autonomously and discreetly in the background 24/7. Optional capabilities include climber and man-overboard detection, and drone countermeasures.





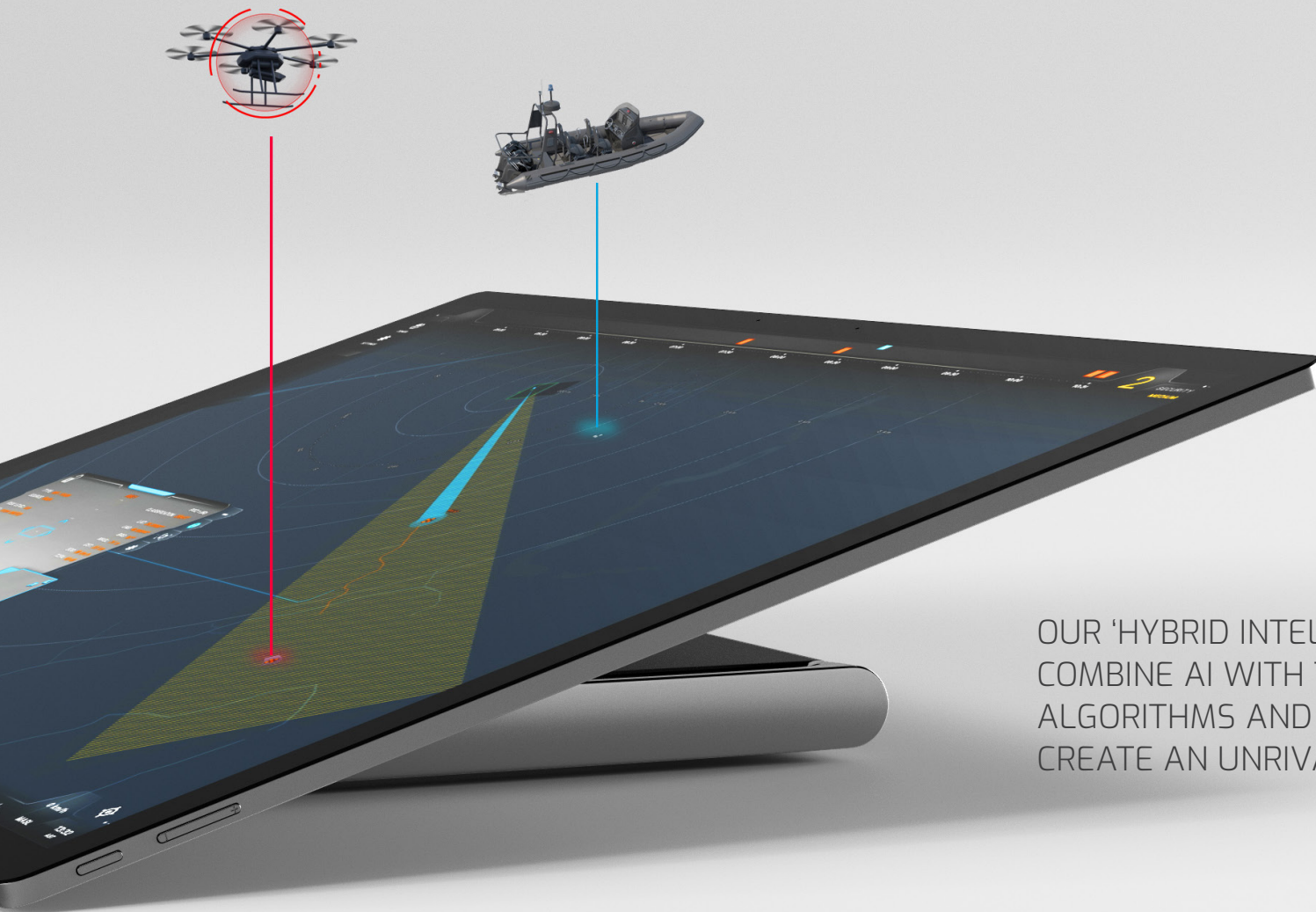
POWERED BY NiDAR CORE

MARSS superyacht solutions are embedded with NiDAR CORE the platform at the heart of all MARSS products.

Paired with state-of-the-art sensors it provides 360° perimeter surveillance and automatically detects underwater, surface and air threats based on target behaviour and object recognition.

The system uses AI-powered software algorithms to automatically analyse and rank threats before alerting operators.





OUR 'HYBRID INTELLIGENCE' SOLUTIONS
COMBINE AI WITH TRADITIONAL
ALGORITHMS AND HUMAN INTELLIGENCE TO
CREATE AN UNRIVALLED IoT PLATFORM.

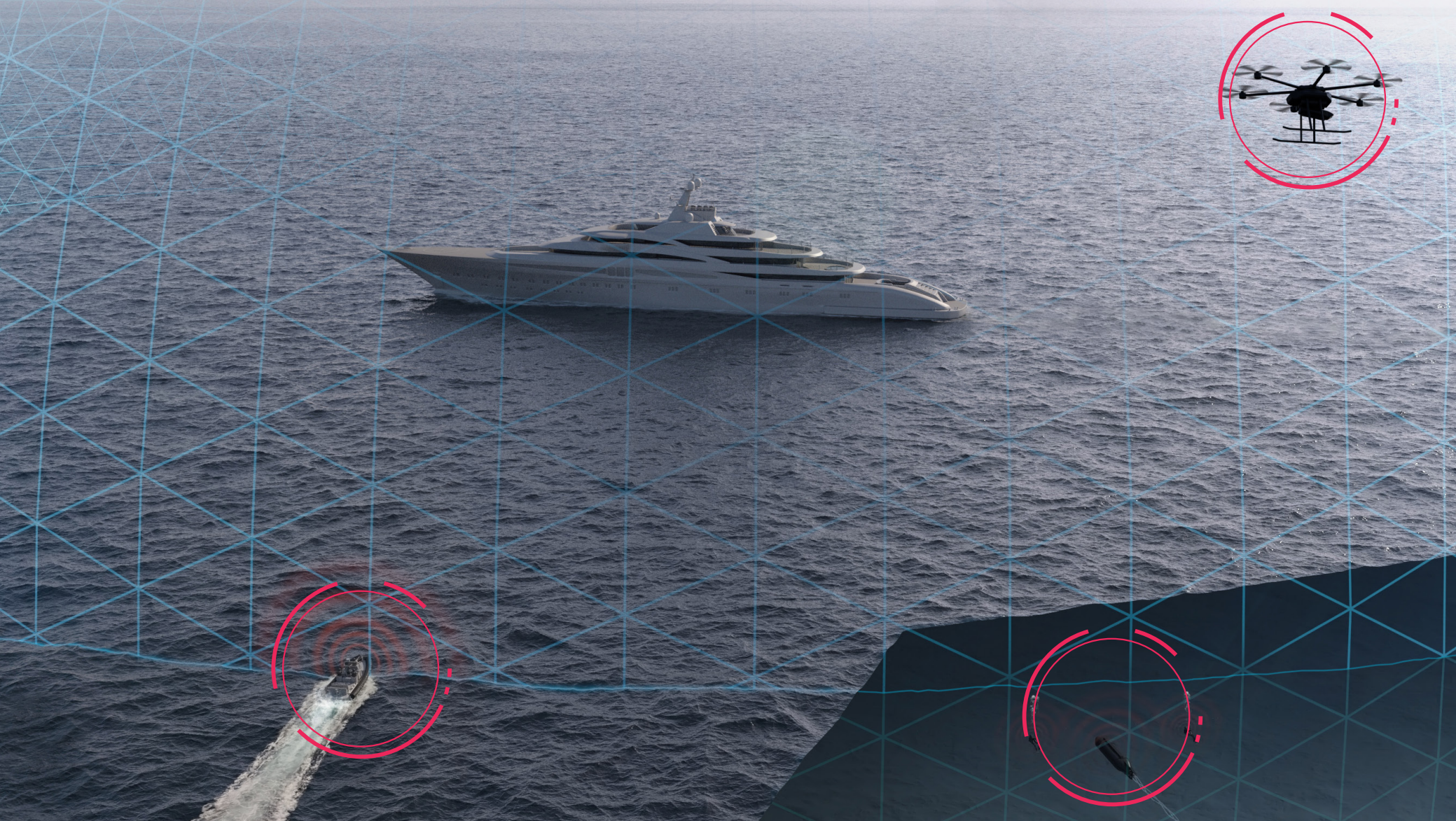


MULTI-DOMAIN SOLUTION FOR COUNTERING ASYMETRIC THREATS

NiDAR 4D combines surveillance streams from state-of-the-art sensors and our hybrid intelligence, fusing algorithms and AI machine learning, to create unrivalled 360° situational awareness through a single intuitive user interface.

The system is modular and scalable to suit the assets and threats and automatically detects, identifies and tracks threats - including drones, fast moving small craft, divers and mini-submarines.

Fully customisable to operational needs, a security zone breach sends automatic and intelligent alerts to the operator for immediate response.



FEATURES & BENEFITS



MOBILE NIDAR ACCESS



TOUCH SCREEN



EVENT TIMELINE



COUNTERMEASURE CONTROL



MULTI DOMAIN PROTECTION

Across air, surface and underwater

STATE-OF-THE-ART SENSORS

Integrated for real-time operator situational awareness

CUSTOMISABLE ZONES

User-defined warning and alarm zones

SECURITY LEVELS

User-defined based on threat scenario

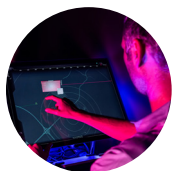
OBJECT MONITORING

Continuous surveillance to monitor behaviour

INTEGRATED COUNTERMEASURES

Selection based on type of threat

MODULAR SECURITY, LEGACY INTEGRATION



NiDAR C2
INTERFACE



DRONE
DETECTION



RF OWN TENDER &
TOYS DETECTION



COUNTER-MEASURE



INFRARED OPTICAL
CAMERAS



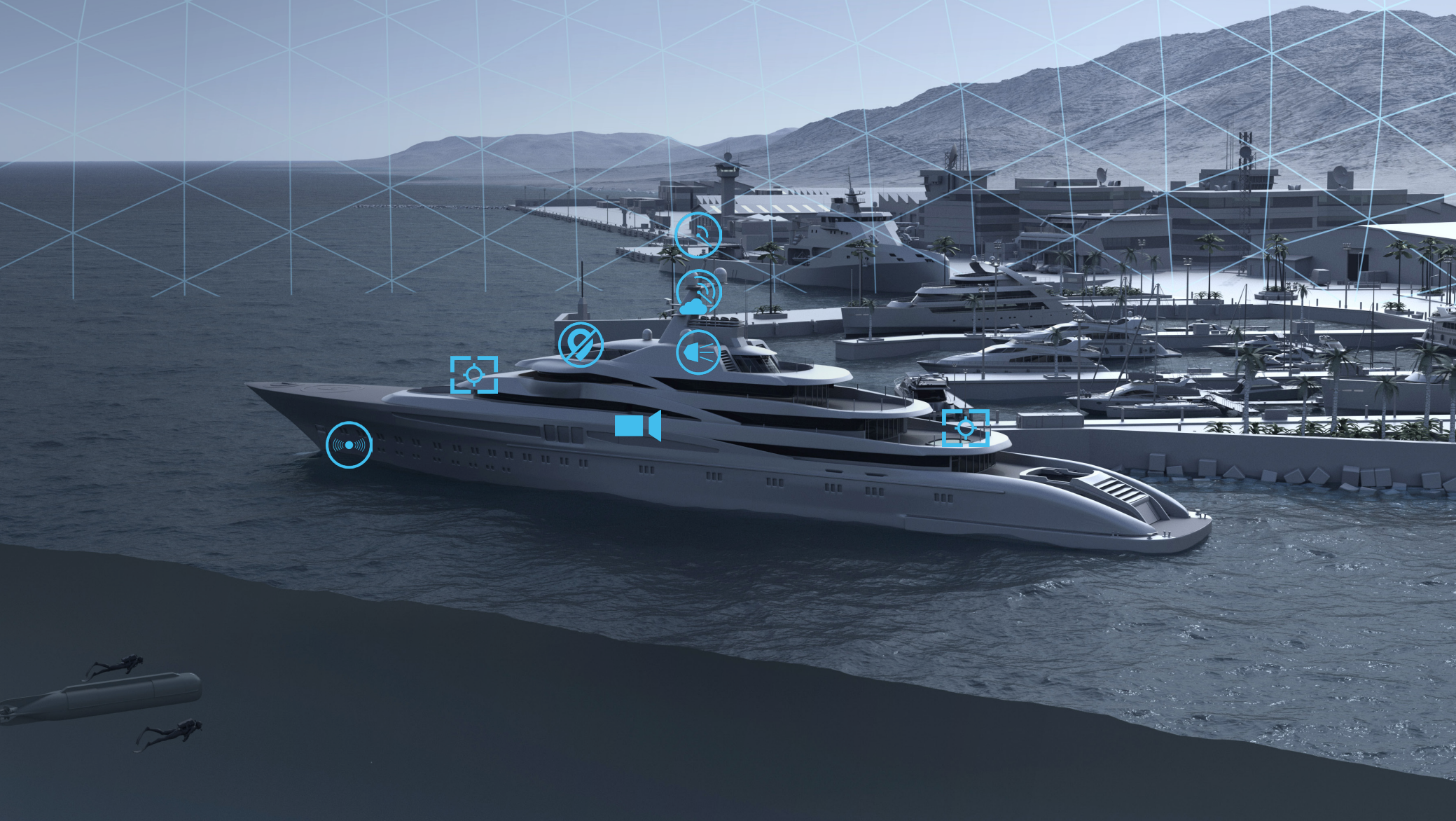
SONAR SYSTEM



ONBOARD SECURITY



MOBILE NiDAR ACCESS



LAYERED DEFENCE

MULTI-DOMAIN SURVEILLANCE AND SITUATION ANALYSIS: FROM DETECTION TO DENIAL, NIDAR 4D SHOWS YOU EVERYTHING AND GIVES YOU CONTROL.

DETECT

NiDAR 4D equipped with Radar and RF monitoring for detection of objects across land, surface and air. Live view of objects and accurate sensor diagnostics enables users to observe, monitor and protect assets.

AI IDENTIFICATION

NiDAR's proprietary AI uses advanced algorithms, video and behaviour pattern recognition, object data points, event history analysis, RF signal monitoring and environment reports such as, location, and flight schedules to identify objects.

MONITOR & ALERT

Continuous surveillance technology to classify and rank potential threats, minimising false alarms and reliably projecting outcomes.

RESPOND

NiDAR's intuitive UI connects to countermeasure options including search lights, loudhailers and RF jamming where permitted. Countermeasures can be added to the system and expanded as threats and purpose of operations evolve.

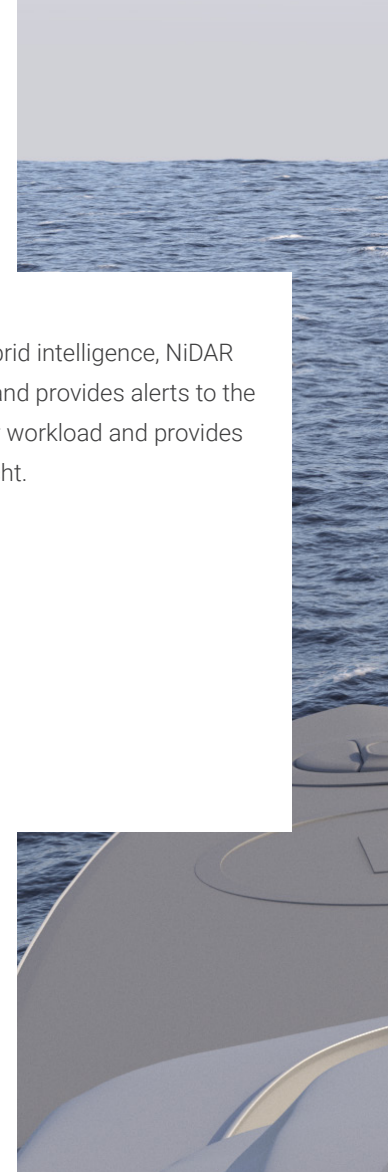


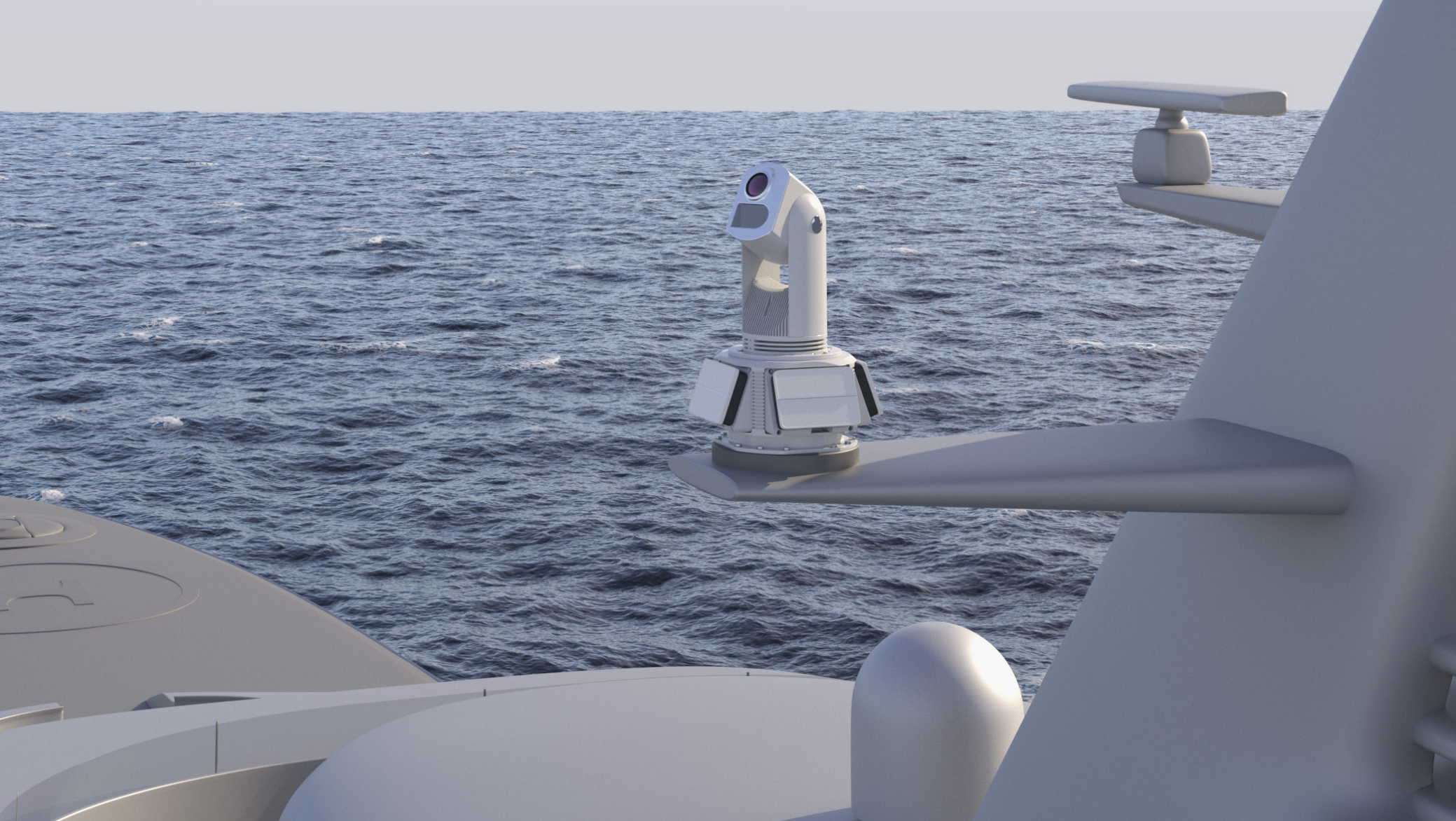
Ni NiDAR™ X-COMPACT

IMPENETRABLE DRONE SECURITY IN A COMPACT PACKAGE

NiDAR X-COMPACT is our out-of-the-box air surveillance system, designed for use on mobile platforms including ocean vessels and superyachts. Powered by NiDAR CORE, the NiDAR X-COMPACT is equipped with four compact radars to give 360° surveillance for trusted protection against drones. This can be complemented with radio-frequency detection if desired.

Driven by state-of-the-art AI hybrid intelligence, NiDAR X-COMPACT identifies threats and provides alerts to the operator. This reduces operator workload and provides best in class security to the yacht.





FEATURES & BENEFITS



DRONE / DETECTION



THREAT CLASSIFICATION



MULTI-LAYERED PROTECTION



LONG RANGE EO/IR PTZ CAMERAS

Day and night object recognition and automatic video tracking

INTEGRATED AIR RADARS

360° surveillance

RF MONITORING (OPTIONAL)

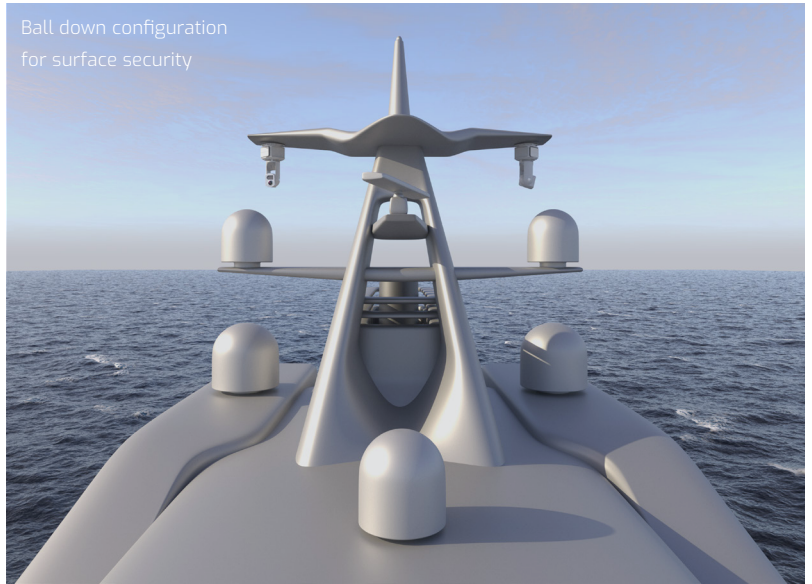
Surveillance and identification of radio signals

MITIGATED FALSE ALARMS

Automatic AI powered identification and classification of threats

ULTRA COMPACT

Packed with technology, all in one unit, space saving and blended with vessel aesthetics



LEADING SECURITY TECHNOLOGY

HELPING CLIENTS AROUND THE GLOBE PROTECT WHAT THEY VALUE MOST.

At MARSS, we are helping our customers to strengthen their defence & security and modernise their cities. Trusted globally, our systems protect millions of lives against a wide range of evolving threats from land, sea and air.

Driven by innovation, we are committed to investing in the research and design of new technology to save lives. Our AI-powered IoT platform NiDAR fuses intelligence from multiple sources with the latest tech, sensors and countermeasures to create a single tactical picture for optimal situational awareness and control.

The continuous development of our NiDAR platform is helping to create smart and secure nations, and protecting against future threats, today.

MARSS is committed to making a difference and creating efficient and intuitive solutions to make the world a safer, and more intelligent, place to live.

MARSS



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