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IN ASSOCIATION WITH

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MINISTRY OF DEFENCE

الشريك الاستراتيجي
STRATEGIC PARTNER

EDGE

الشريك التشريعي
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أبوظبي للتنقل
Abu Dhabi Mobility

بدعم من
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مجلس الأنظمة الذكية ذاتية الحركة
SMART AND AUTONOMOUS SYSTEMS COUNCIL

TRANSFORMATIONAL GAME-CHANGERS

PALLADYNE AI

Product Name:
Palladyne Pilot AI Software Platform

Company:
Palladyne AI

Headquarters:
Salt Lake City, Utah, US

Product Type
Closed-Loop Autonomous Detection, Tracking, and Control for Mobile, Aerial Machines

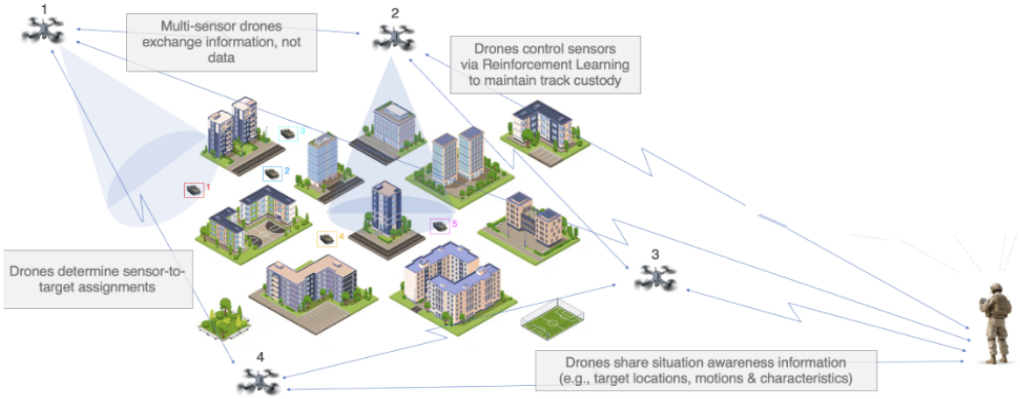
Applications:
Defence, Security, Education, Research, Industrial Manufacturing, Warehousing and Logistics, Infrastructure Maintenance and Repair, Energy, Aerospace, Aviation and Swarming Applications.

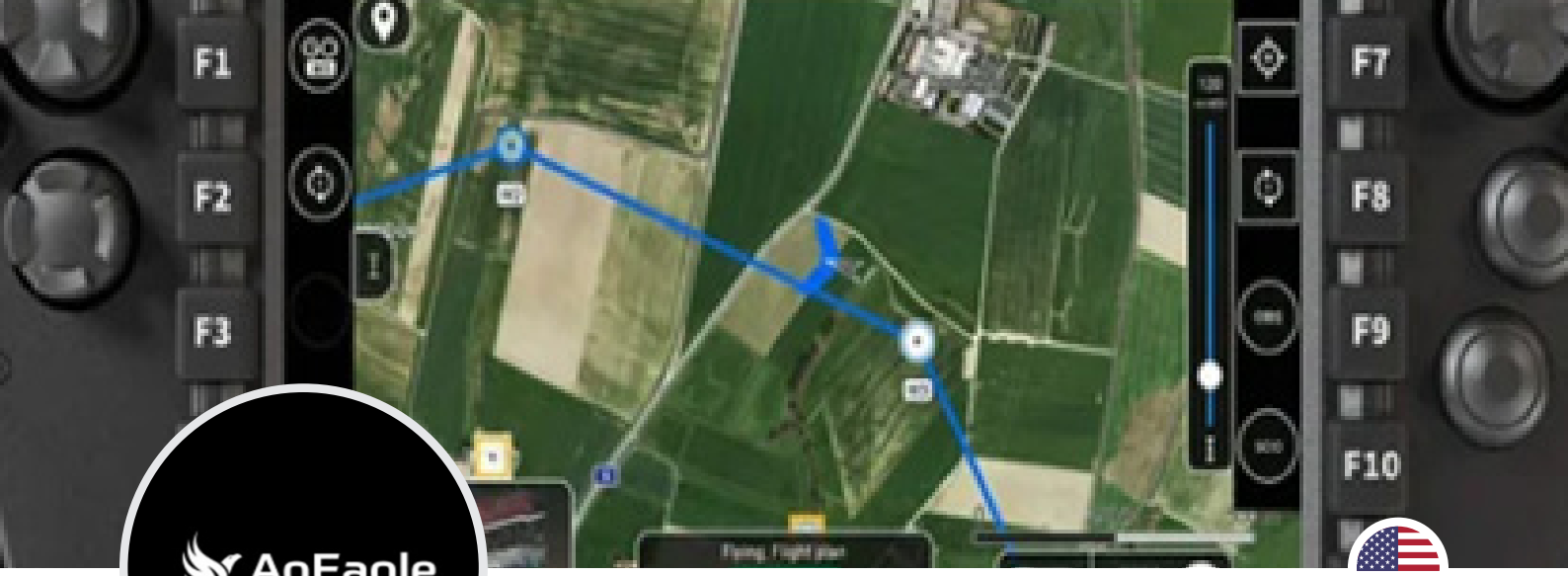
Product Description:

The Palladyne Pilot AI Software Platform enhances operational effectiveness and mission oversight by enabling a network of collaborative drones and multi-modal sensors to autonomously coordinate and deliver advanced capabilities for intelligence, surveillance, and reconnaissance (ISR) operations.

The software platform is based on a new approach that empowers machines to observe, learn, reason, and act with unprecedented agility - requiring minimal training time, limited data sets, and lower computational and power requirements.

- Enhances autonomous operations
- Intelligent Coordination and Information Sharing
- Advanced Perception for Enhanced Situational Awareness
- Autonomous Team Collaboration
- Persistent Target Tracking Custody
- Platform-Agnostic, Fully Integrated Software Stack
- Dynamic Learning and Multi-Modal Sensor Fusion





AgEagle

Product Name:
2.1.0 eBee VISION

Company:
AgEagle Aerial Systems Inc

Headquarters:
Wichita, Kansas, US

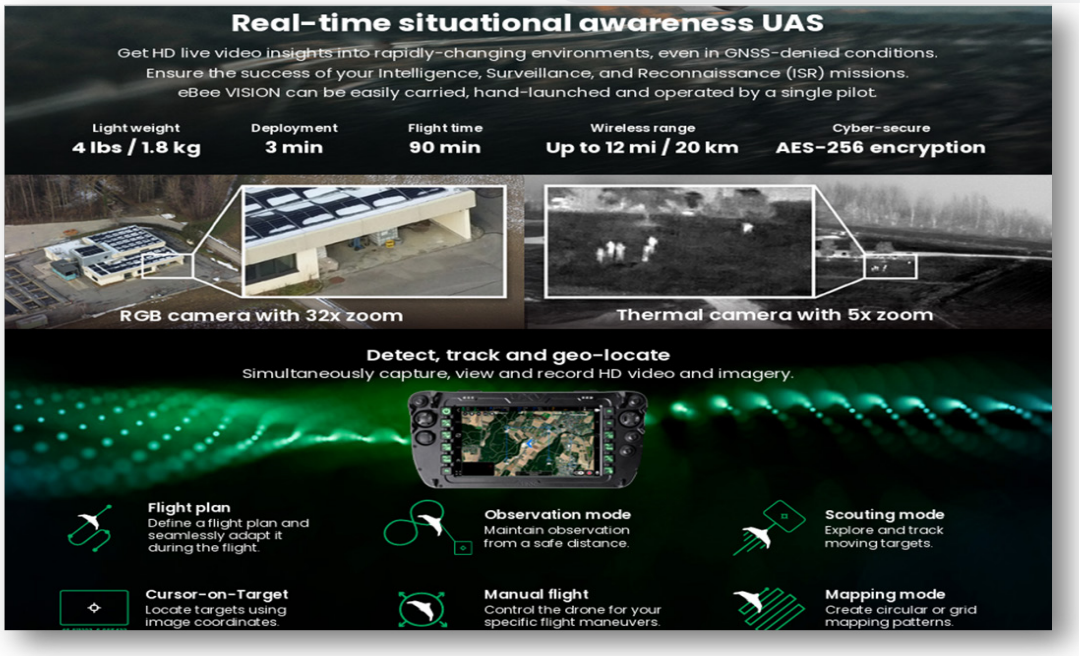
Product Type
Application Software

Applications:
Agriculture, Construction, Defence, Environmental Monitoring, Mining, Public Safety, Research, Surveying/ Mapping, as well as Utilities. It is also used by service providers and in forestry.

Product Description:

The 2.1.0 eBee VISION application software offers enhanced mapping capabilities, situational awareness measures, and other tactical advantages, enhancing operational efficiency and flexibility for users. It is designed to provide real-time, enhanced situational awareness for critical Intelligence, Surveillance and Reconnaissance (ISR) missions.

- Supports HD real-time video surveillance and circular and grid mapping for 2D or 3D maps
- Operates in GNSS-denied environments and allows manual deactivation to prevent jamming or spoofing
- Complies with STANAG 4609 standard, enhancing interoperability with third-party applications
- Allows manual adjustment of landing position for Silent Tactical Landing (STL), providing a tactical advantage



L3HARRIS™

Product Name:
Amorphous

Company:
L3Harris Technologies

Headquarters:
Melbourne, FL, US

Product Type
Open Source Flying Platform

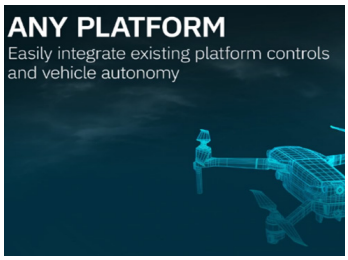
Applications:
This technology is used across various sectors, including Defence, Commercial, and Research. It is specifically designed to manage autonomous systems, including unmanned vehicles operating on land, sea, and air.

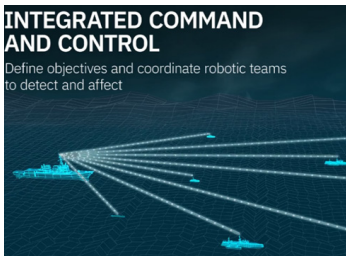
- Military applications include Search and Rescue, Persistent Intelligence, Surveillance and Reconnaissance (ISR), Complex Electronic Warfare, and Precision Kinetic Effects.
- Commercial applications include Delivery Robots, Warehouse Robotics, Environmental Monitoring, Autonomous Construction, Farming, and Mining.

Product Description:

AMORPHOUS™, which stands for Autonomous Multi-domain Operations Resiliency Platform is a new software that features a single user interface to operate thousands of autonomous assets simultaneously. Designed with an open architecture, this software enables the United States and allied militaries to control a mix of uncrewed platforms, payloads and systems, even if another manufacturer produces them.

- Open-architecture by design
- Scalable to hundreds and even thousands of assets
- Sensor processing & fusion
- Sensor resource management
- Removes complexity and cognitive overload
- Dynamic planning and tasking
- Easily integrates with any unmanned platform
- Resilient framework ensures mission success in degraded environments
- Transferable control enables true distributed C2





Product Name:
Jiutian SS-UAV

Company:
Aviation Industry Corporation of China (AVIC)

Headquarters:
Beijing, China

Product Type
Super-High Altitude Unmanned Aerial Vehicles **(UAV)**

Applications:
It is primarily used in the Military and Defence Industry.
It is designed to function as a Drone-Carrying Aircraft, capable of deploying numerous smaller drones for various missions, including Intelligence, Surveillance, Reconnaissance, and Strike Operations. The Jiutian's applications are not limited to warfare. Its modular systems make it suitable for emergency logistics,border patrol, search and rescue, and natural disaster response. Future operations could include launches from -076class amphibious ships, giving the PLA added reach in offshore operations and naval integration.

Product Description:

The Jiutian is a jet-powered, super-high altitude unmanned aerial vehicle (UAV) with the ability to carry up to 100 smaller drones or loitering munitions, including kamikaze UAVs. Developed by China's state-owned Aviation Industry Corporation of China (AVIC) in collaboration with Shaanxi Unmanned Equipment Technology and Guangzhou Haige Communications, the Jiutian is a drone mother ship featuring a modular payload system that allows it to switch roles—from strike support to maritime surveillance, border patrol and disaster response.

- Switches between strike support, maritime surveillance, border patrol, and disaster response
- Can conduct intelligence, surveillance, reconnaissance, and electronic warfare missions beyond China›s immediate periphery
- 36-hour endurance, 16-ton maximum take-off weight, 25-meter wingspan
- Compatibility with RQ-4 Global Hawk, but with added capability to launch strikes

AeroVironment™

Product Name:
Palladyne Pilot AI Software Platform

Company:
AeroVironment

Headquarters:
Arlington, Virginia US

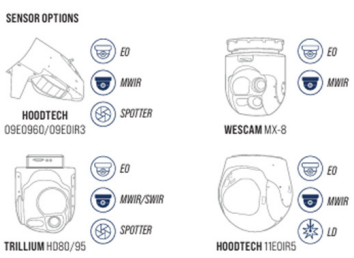
Product Type
Vertical Takeoff and Landing (VTOL) Medium Uncrewed Aircraft System (MUAS)

Applications:
Defence, Security, Education, Research, Industrial Manufacturing, Warehousing and Logistics, Infrastructure Maintenance and Repair, Energy, Aerospace, Aviation and Swarming Applications.

Product Description:

On February 2025 ,25, AeroVironment (AV), announced the launch of the JUMP® -20X, a next-generation, modular Group 3 MUAS designed to handle the dynamic needs of modern combat. The JUMP -20X sets a new standard for autonomous maritime operations, providing unrivalled versatility, efficiency, and precision in disputed and complicated settings. It is chosen by the U.S. Army as part of the Future Tactical Unmanned Aircraft System (FTUAS) program. JUMP -20X is a VTOL MUAS engineered to revolutionise shipboard UAS operations.

- Multi-fuel, multi-INT/multi-domain in a single aircraft
- Engineered for extreme maritime conditions
- Fully autonomous precision landing
- 13+ hr of endurance
- Up to 30 lb of multiple payload capacity, supporting a wide range of mission sets, including ISR (Intelligence, Surveillance, and Reconnaissance); Synthetic Aperture Radar (SAR) & Wide-Area Surveillance (WAS); Signals Intelligence (SIGINT) & Electronic Warfare (EW); Secure Communications & Video Relay; and Precision Strike Capabilities with customisable lethality options
- Modular architecture supporting 3rd party payloads, radios & control options
- Beyond-line-of-site (BLOS) - multiple SATCOM options



ANDURIL

Product Name:
Ghost Shark XL-AUV

Company:
Anduril Industries and Australian Department of Defence

Headquarters:
Costa Mesa, California, US

Product Type
Extra-Large Autonomous Undersea Vehicle (XL-AUV)

Applications:
The Ghost Shark XL-AUV is primarily used in the Defence and Military Industry, specifically for naval applications. It is designed for Intelligence, Surveillance, Reconnaissance (ISR), and Strike Missions.

Product Description:

Ghost Shark is an XL-AUV designed to provide Australia›s Navy with a cost-effective, stealthy, long-range, and trusted undersea capability for intelligence, surveillance, reconnaissance, and strike, crucial for defending Australia›s vast maritime boundaries within an operationally relevant timeline. The Royal Australian Navy (RAN) is the first known purchaser for the highly modular Ghost Shark.

- Can operate autonomously for up to 10 days at 6,000 meters depths
- Designed to support subsea maritime missions globally
- XLAUV has a modular, multi-purpose capability that can adapt to mission requirements
- Advanced, scalable manufacturing techniques enables rapid iteration based on specific customer needs
- Permit the introduction of greater numbers of readily available autonomous platforms without any significant increase in cost

e-con Systems™

Product Name:
Holoscan Camera

Company:
e-con Systems

Headquarters:
Chennai, Tamil Nadu, India

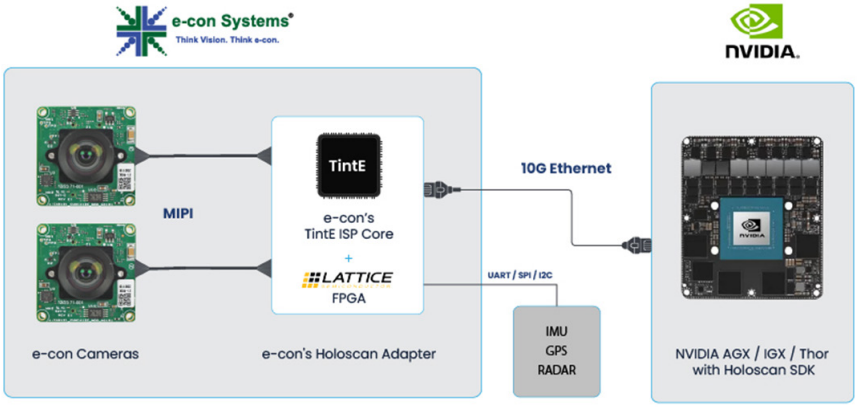
Product Type
Camera

Applications:
With the ability to bridge real-time sensor data to NVIDIA Holoscan, this high-performance Holoscan Camera is perfect for AI adoption in Industrial Automation, Robotics, Medical, and Edge Computing Applications, ensuring low-latency, high-speed image transmission while supporting multiple camera configurations.

Product Description:

e-con Systems has developed the Holoscan Camera, offering complete solutions to seamlessly connect cameras and other sensors to the NVIDIA® platforms using NVIDIA Holoscan SDK. This enables the full potential of AI-driven imaging applications in the Holoscan ecosystem.

- Connects to Jetson platforms via 10G Ethernet port
- Supports IMU, GPS, and Radar sensors
- Bridges real-time sensor data to NVIDIA Holoscan for AI adoption in Industrial automation, Robotics, medical, and edge computing
- Integrates Lattice FPGA running e-con›s proprietary TintE ISP
- Reduces computational load, optimising performance for AI-driven tasks
- Enhances image quality through advanced processing algorithms
- User-friendly ISP features enable efficient, real-time processing



Product Name:
DJI Dock 3

Company:
DJI Enterprise

Headquarters:
Shenzhen, China

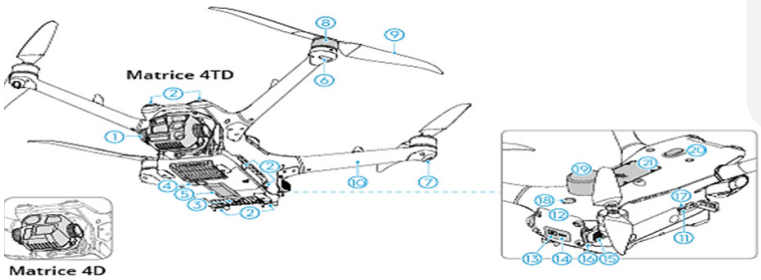
Product Type
Automated Drone Station

Applications:
High-Precision Mapping, Surveying, Detailed Surface Inspections, Public Safety, Emergency Response, Infrastructure Inspections, and Thermal Imaging multiple camera configurations.

Product Description:

DJI Dock 3, the company›s first «Drone in a Box» solution, is equipped with Matrice 4D or Matrice 4TD high-performance drones. DJI Dock 3 empowers 7/24 remote operations and, for the first time, supports mobile vehicle-mounted deployment, effortlessly adapting to various environments.

- Heat Resistance: Operates in temperatures up to 50°C (122°F), ensuring consistent performance and efficient charging
- Cold Resistance: Operates in temperatures as low as -30°C (-22°F) after preheating, ensuring reliable performance in frigid environments
- Wind Resistance: Can fly in winds up to 12 m/s, ensuring optimal stability for long-duration missions and precise inspections
- Rugged and Dependable Design: Encapsulates internal systems, safeguarding electronic components from environmental hazards
- Low-Noise & Anti-Ice Propellers: Ensures stable flight even during freezing rain, enhancing stealth and efficiency in sensitive areas
- DJI Dock 3 Supports Advanced Drones - DJI Matrice 4Dand 4TD



1. Gimbal Camera [1]
2. Vision System
3. Auxiliary Light
4. Infrared Sensing System
5. Internal Charging Modules [2]
6. Front LEDs
7. Aircraft Status Indicators
8. Motors
9. Propellers
10. Frame Arms (incl. internal antennas)
12. Intelligent Flight Battery
13. Power Button
14. Battery Level LEDs
15. Battery Buckle
16. Battery Locking Arm
17. microSD Card Slot
18. Beacon
19. GNSS/RTK Antenna
20. E-Port
21. Cellular Dongle Compartment

HARIS
Unmanned Systems

Product Name:
SA3-B VTOL

Company:
Haris Unmanned Systems

Headquarters:
Al Khobar, Saudi Arabia

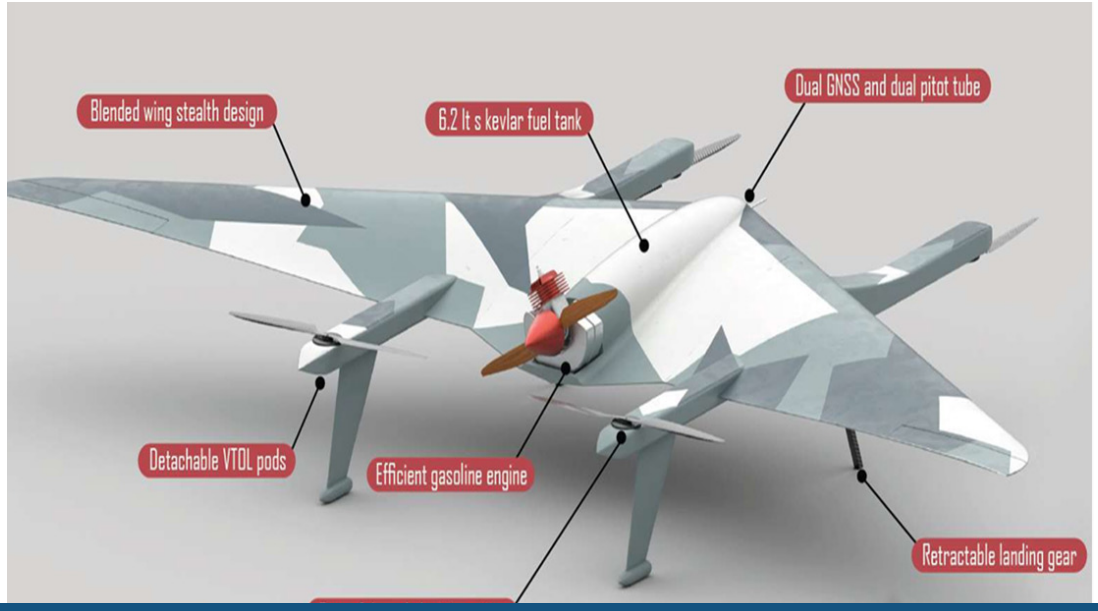
Product Type
Vertical Takeoff and Landing (VTOL) Medium Uncrewed Aircraft System (MUAS)

Applications:
Primarily used in the Military and Defence sectors for Intelligence, Surveillance, and Reconnaissance (ISR) missions. It is also gaining traction in the civilian sector for applications like Infrastructure Inspections, Environmental Monitoring, and Precision Agriculture..

Product Description:

The SA3-B is a revolutionary pure wing VTOL UAS, engineered for long-range multi-role operations. TheVTOL UAV has a maximum takeoff weight of 20 kg, an empty weight of 13.5 kg, and a payload capacity of 2.5 kg. It carries 6.5 kg of fuel and features a -2.911meter wingspan. Powered by a 30cc engine, the drone hovers for 4.1 minutes, has a range of 1,280 km, and reaches a top speed of 97 km/h, with a maximum endurance of 15 hours. It operates at an altitude of 1,500 meters and can achieve speeds up to 135 km/h.revolutionis shipboard UAS operations.

- Can take off and land vertically, eliminating need for runways
- Uses both fixed-wing and rotary-wing elements for flight
- Equipped with features for navigation and flight



HOGREEN AIR
Unmanned Aerial System & Software

Product Name:
Hydrogen Powered Drone

Company:
Hogreen Air

Headquarters:
Gwangju, South Korea

Product Type
Camera

Applications:
Applications: These drones are used across various sectors, including Agriculture, Defence, and Artificial Intelligence (AI). They are also being explored for applications in the Energy sector, particularly for the inspection and surveillance of pipelines and power plants.

Product Description:

Hogreen Air has introduced a high-speed, long range hydrogen fuel cell drone for surveillance and reconnaissance, utilising hydrogen in gas or liquid for for various mission execution. One of its standout features is its ability to remotely operated over vast distances. Furthermore, the combination of high speed and long range makes this drone a strategic tool for military operations, search and rescue, environmental monitoring and other sectors that demand fast and efficient responses.

- Can fly for up to 14 hours, significantly longer than traditional drones
- Demonstrates successful remote operation over significant distances, including flights across continents
- Uses hydrogen fuel cells, producing clean DC power and only emitting water vapor
- PEM fuel cell platform designed for high performance and reliability
- Equipped with radio frequency and LTE/5G communication systems for remote control

Product Name:
MARS

Company:
SubSea Craft

Headquarters:
Portsmouth, Hampshire UK

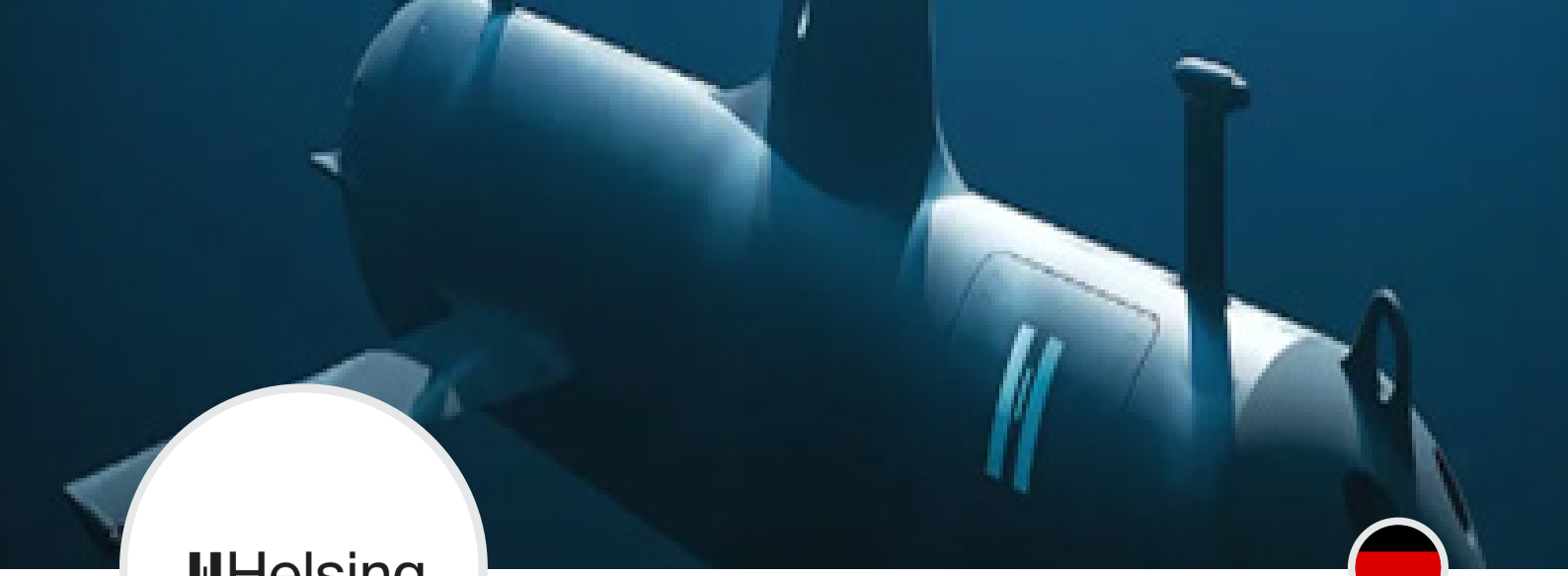
Product Type
Unmanned Surface Vessel (USV)

Applications:
It is designed to be able to handle both ISR, Defensive and Strike Missions. Designed for intelligence, surveillance, and reconnaissance (ISR), defensive maritime operations, and precision strike missions. MARS supports modular mission payloads, enabling multi-role deployment across blue-water, littoral, and inland waterways, especially in contested or communication-degraded environments.

Product Description:

MARS is an uncrewed surface vessel designed for projection from medium to large platforms. It offers low-signature and high-speed capabilities, enabling scalable multi-mission capabilities in contested environments. MARS can be integrated into MUM-T operations or deployed autonomously, providing precision maritime effects across blue water, littorals, and inland waterways.

- Low-signature, mission-configurable design for maximum autonomy and survivability
- Utilises latest USV technology for multi-role applications
- Wingman support minimises risk to manned deployments
- ISR capabilities for long-range surveillance in degraded communications
- Multi-domain payloads and modular integration for kinetic and non-kinetic effects on target
- Payload Modularity and Rapid Reconfiguration



Helsing

Product Name:
SG1- + Lura

Company:
Helsing

Headquarters:
Munich, Germany

Product Type
Underwater Autonomous Mass

Applications:
Ideal for underwater surveillance, anti-submarine warfare (ASW), maritime domain awareness, coastal defense, and long-range acoustic monitoring, with real-time onboard AI-based classification of underwater threats.

Product Description:

Helsing has introduced a maritime surveillance platform with autonomous underwater drones, the SG1- Fathom, capable of patrolling for up to three months to detect and monitor underwater threats. The platform uses the Lura AI system, powered by a large acoustic model, to classify and localise underwater acoustic signatures, such as those emitted by ships and submarines.

- Lura can detect sounds 10 times quieter than those identified by other AI models
- Lura distinguishes vessels within same class 40x faster than human operators
- SG-1 Fathom is a mass-manufacturable subsurface surveillance glider that can monitor vast underwater areas
- SG-1 is integrated with Lura for real-time detection and classification at the edge

ZIYAN UAV

Product Name:
F15

Company:
AeroVironment

Headquarters:
Zhuhai, China

Product Type
Vertical Take-Off and Landing (VTOL)

Applications:
Ideal for large-scale use in aerial surveying, environmental monitoring, infrastructure inspection, mining operations, topographic mapping, and the documentation of cultural and natural heritage sites. (check formatting)

Product Description:

The F15 UAV, a next-generation VTOL aircraft designed to meet diverse mission requirements across industries. Powered by advanced lithium ternary battery cells, the VTOL UAV achieves 100 minutes of flight time per charge. This extended flight duration allows for longer mission completion with fewer interruptions.

- Powered by lithium ternary battery cells, it achieves 100 minutes of flight time per charge
- ·Supports simultaneous mounting of up to three mission-specific payloads
- Tool-free assembly and disassembly, compliance with test flight regulations for altitudes under 120m
- Ensures stability and reliability in high winds
- Enables seamless long-range operations with 4G video transmission and relay communication
- Designed for ease of use, even beginners can master it in under 5 minutes
- Integration into workflows with open ecosystem
- Supports third-party development with PSDK, MSDK, and Cloud API
- Custom Livery & Branding Options for unique UAV brand
- ODM capabilities for industry-specific solutions

AeroVironment™

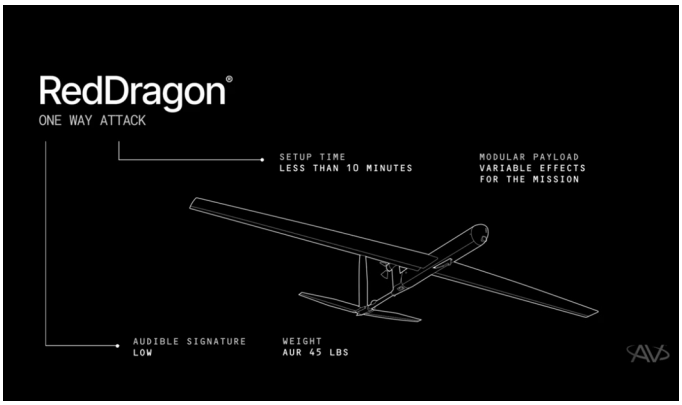
Product Name:
Red Dragon®

Company:
AeroVironment

Headquarters:
Arlington, Virginia, US

Product Type
Unmanned Aircraft System (UAS)

Applications:
Ideal for large-scale use in aerial surveying, environmental monitoring, infrastructure inspection, mining operations, topographic mapping, and the documentation of cultural and natural heritage sites. (check formatting)



Product Description:

Red Dragon® is a fully autonomous capable, software-defined, unmanned aircraft system (UAS) designed for one-way attack missions in high-threat, GPS-denied and communications-degraded environments. Optimised for cross-domain use across air, land, and maritime, the platform is built on AV's AVACORE™ shared software-defined architecture, enabling rapid development, scalable production, and tailored mission flexibility. The system is capable of autonomous execution of mission objectives without reliance on continuous operator input or satellite navigation. Red Dragon delivers a combination of autonomy, electronic warfare resilience, and tactical flexibility previously unavailable in its class.

- Full-mission autonomy capable with onboard decision-making
- GNSS-independent navigation
- Resilience to electronic warfare and spoofing
- Software-defined payload control and system behaviour
- Open architecture for 3rd party software/ algorithms, C2 integration, and future scaling
- Designed for mass production readiness with modularity and affordability for sustainable operations

Product Name:
Leonidas H2O

Company:
Epirus

Headquarters:
Torrance, California US

Product Type
High-Power Microwave (HPM) System

Applications:
It is primarily used in the Defence Industry, specifically for Maritime Defence and Counter-Electronics Applications. It is designed to disable small boats, unmanned surface vessels (USVs), and unmanned aerial vehicles (UAVs) using a high-power microwave (HPM) system.

Product Description:

Leonidas H2O is a high-energy, high-power microwave (HPM) system developed by Epirus to counter a variety of electronic threats, including unmanned aerial vehicles (UAVs), unmanned surface vessels (USVs), and small boats. Built on the scalable Leonidas platform, the system offers software-defined, non-kinetic effects with an unlimited magazine, enabling precise and repeatable disruption of electronic systems.

- Leverages solid-state, software-defined, high-energy HPM platform
- Delivers unmatched counter electronics capabilities
- Tested as a scalable counter-swarm solution
- Features open architecture, unlimited magazine, non-kinetic effects against electronic threats
- Emits non-ionizing radiation for safety

TELEDYNE FLIR
Everywhereyoulook™

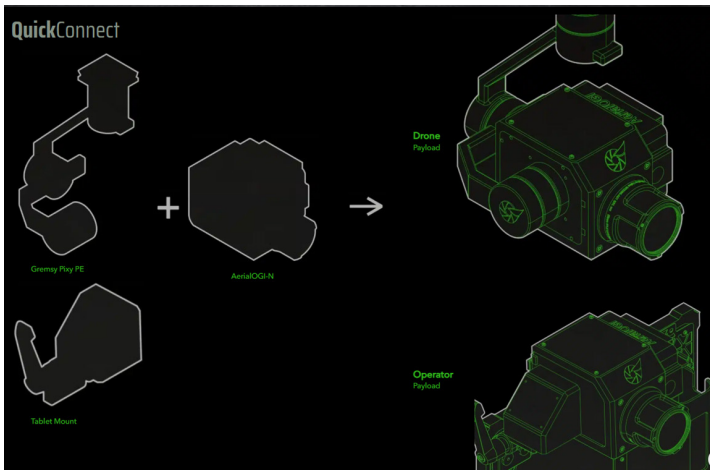
Product Name:
AerialOGI-N

Company:
Teledyne FLIR

Headquarters:
Wilsonville, OR US

Product Type
OGI Camera

Applications:
It is primarily designed to streamline gas inspection workflows such as oil & gas pipeline inspections, refinery emissions monitoring, industrial plant maintenance, environmental compliance, and field service operations.



Product Description:

Teledyne FLIR OEM, a division of Teledyne Technologies Incorporated (NYSE: TDY), has partnered with AerialOGI—an industry leader in optical gas imaging (OGI)—through the Thermal by FLIR program to launch the AerialOGI-N. This innovative OGI camera module is the first in the industry to feature a two-click connection system compatible with both handheld and drone gimbals, enabling seamless transition between ground and aerial inspections. The AerialOGI-N streamlines operations, reduces inspection time and costs, and provides powerful capabilities for detecting fugitive gas emissions from multiple vantage points.

- Utilises Teledyne FLIR OEM Neutrino® LC OGI 640x512 resolution MWIR camera core
- Can detect and quantify over 25 greenhouse gases in real time
- Available on seven industrial drone airframes, including Arcsky X55
- Utilises advanced gas-detection algorithm for real-time in-flight data processing and reporting
- Features one-button leak event capture for leak detection and repair
- Meet the latest USA EPA emissions standards concerning Title 40, CFR 60 Subparts OOOOa, OOOOb, OOOOc, and Appendix K
- Supported for seven industrial uncrewed platforms
- OGI drone camera detaches and can be used in our Handheld adapter
- One button leaks event capture
- NDAA Compliant

FADA EDGE

Product Name:
TACTICA platform

Company:
FADA, EDGE Group

Headquarters:
Abu Dhabi, UAE

Product Type
Next-Gen AI-Powered Geospatial Intelligence Platform

Applications:
It is designed for Large-Scale Monitoring and Tactical Operations, Enhancing Situational Awareness, Operational Efficiency, and decision-making across Security, Defence, Education, and Civilian Sectors.

Product Description:

Launched by EDGE Group›s space-focused entity, FADA, Tactica is an advanced AI-powered geospatial intelligence platform designed for large-scale monitoring and tactical operations. Powered by UAE's TII Falcon LLM, Tactica processes multi-source intelligence - including satellite imagery, signal intelligence, sensor data, and open-source information to deliver insightful and actionable conclusions. It identifies and classifies objects, infers connections between targets, and integrates historical imagery with real-time data.

- Voice-Conversational Interaction: Operators can define AOIs and access dynamic visualisations using natural voice commands
- Advanced AI Capabilities: Utilises technologies like object identification, AI agents, super resolution, 3D reconstruction, and inferential data linking
- Real-Time Data Access & Multi-Source Data Fusion: Integrates near real-time satellite imagery, live video feeds, sensor analytics, OSINT, and historical data
- Agentic Decision-Making & Predictive Intelligence: Combines advanced analytics, contextual understanding, and data-driven forecasting
- Interactive 3D Visualisation: Creates high-resolution, realistic 3D models for strategic planning and mission execution
- AI-Based Alerts and Reporting: Customisable alerts triggered by data from sensors, drones, and cameras
- Secure, Robust, and Scalable: Ensures data confidentiality, integrity, and protection against cyber threats

SKYCHARGE

Product Name:
Skyport DP5

Company:
SKYCHARGE

Headquarters:
Berlin, Germany

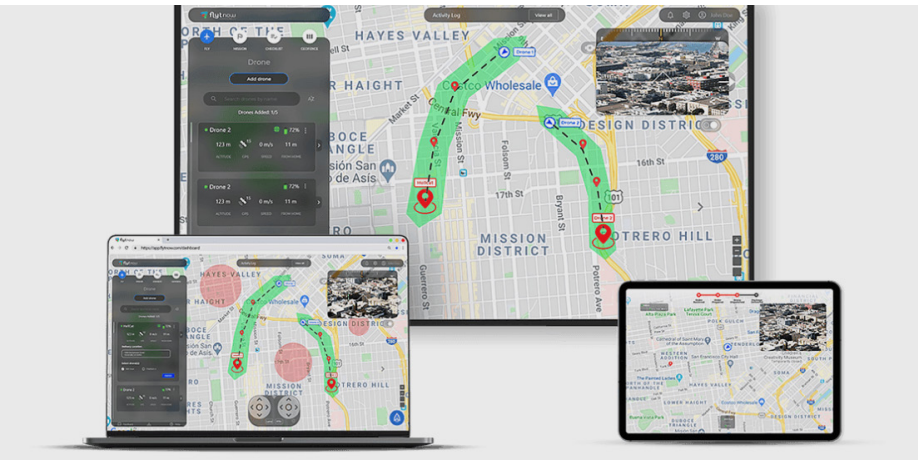
Product Type
Drone Hangar

Applications:
Suitable for both commercial operations as well as by drone hobbyists. Ideal for use in drone delivery services in retail and healthcare, as well as supporting search and rescue missions.

Product Description:

Skyport offers a scalable, flexible, and modular architecture designed for cross-platform drone charging, storage, and automation. It supports resilient Beyond Visual Line of Sight (BVLOS) operations and provides a sustainable, future-ready infrastructure that can adapt to both existing and next-generation drone models.

- IP65 rating with integrated HVAC and heater, to withstand extreme temperatures
- Cross-platform docking and charging system, compatible with any drone type, model, and battery chemistry
- Powered by a powerful and lightweight Skycharge system, guaranteed to deliver 40,000 cycles of fast battery charging
- Quick installation, connected, remotely managed and monitored via 4/5G/Starlink
- CE marked, safety rated, BVLOS-certified, in compliance with industrial and aviation norms
- Enables easy automation of drone flights, rapid data management and AI-driven visual analytics



ANAVIA

EDGE

Product Name:
ANAVIA HT750-

Company:
ANAVIA, Edge Group

Headquarters:
Abu Dhabi, UAE

Product Type
Heavy-Lift Unmanned Helicopter

Applications:
It is designed for High-Endurance Missions across Military, Commercial, and Emergency Response applications. Intelligence, surveillance & reconnaissance (ISR), Cargo delivery & logistical support, Medical evacuation & emergency aid, Search and rescue

Product Description:

ANAVIA HT750-, a high-technology rotary-wing unmanned heavy-lift aircraft featuring intelligence, surveillance, and reconnaissance (ISR) and cargo delivery capabilities. ANAVIA focuses on one key objective: ensuring customer satisfaction through innovative and reliable aircraft. With its endurance, cargo capacity and long range, the HT750- stands as the world's leading heavy-lift unmanned VTOL system – ready for every mission, in every deployment.VTOL system – ready for every mission, in every deployment.

- Advanced Power Systems: Hybrid Assistant System (HAS) for safety during power loss
- Onboard Avionics: Custom-built avionics for safe operations
- Mission Ready: Fully autonomous deck landing system, Harpoon landing, and optional emergency floatation devices
- Safety: Redundancy, anti-jamming GPS protection, radar altimeter
- Rotor Efficiency: Semi-rigid 4-blade bearing-less rotor system with low maintenance costs
- Payload Support: Manned-aviation grade sensors, cargo compartments, medical evacuation equipment
- Data Communication: Up to 200 km data link, limitless SATCOM, dual MIMO radios
- Swish Quality: Durable lightweight materials, low maintenance costs, and customer support services

FLARIS

EDGE

Product Name:
Sinyar LAR3P ISR

Company:
FLARIS, Edge Group

Headquarters:
Abu Dhabi, UAE

Product Type
Unmanned Aerial Vehicle (UAV)

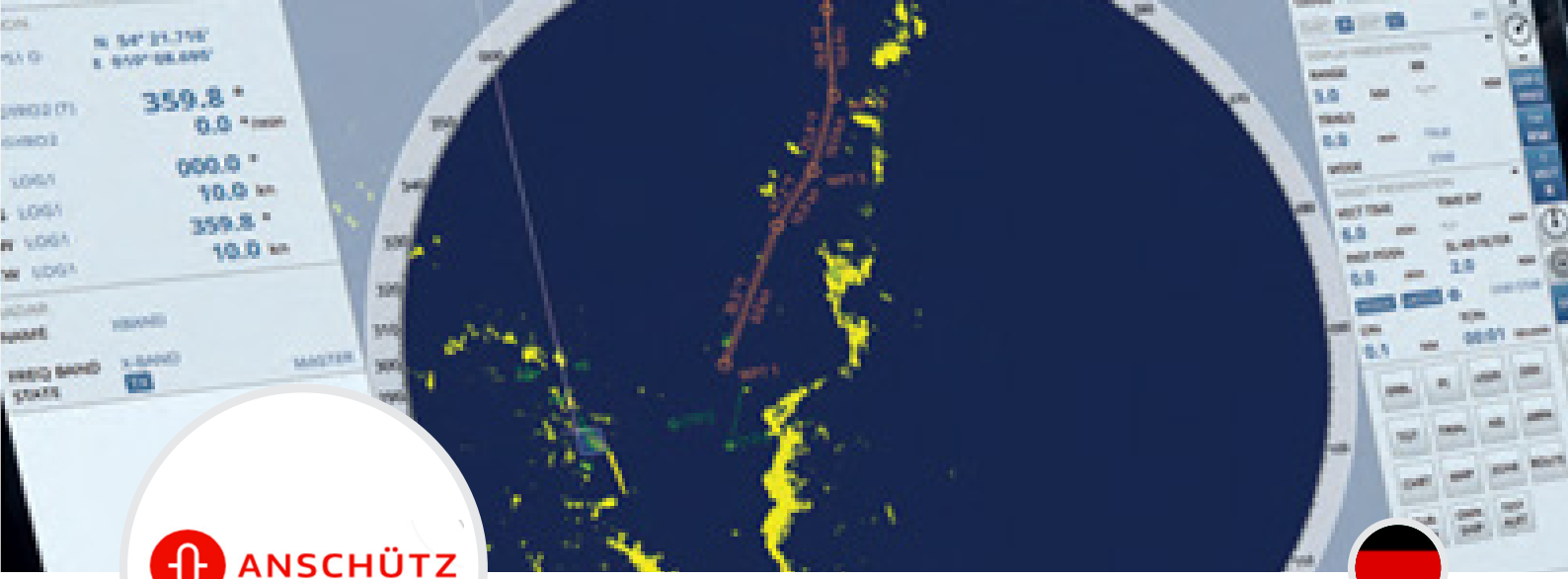
Applications:
It is primarily used in the Aerospace and Defence industry. It is designed for intelligence, surveillance, and reconnaissance (ISR) missions, along with other Military Applications like Maritime Monitoring, Search and Rescue, and Electronic Warfare.

Product Description:

The FLARIS SINYAR-LAR3P is a rapid-deployable, high-speed and -18hour endurance unmanned aerial vehicle with both combat and ISR capabilities. Economical and easy to transport with detachable wings, the aircraft can climb rapidly (30m/sec) to quickly arrive at observation altitude and reduce speed for extended loitering.

With short take-off and landing capabilities, even from unpaved runways, the FLARIS SINYAR-LAR3P blends speed, endurance to perform intelligence, surveillance and reconnaissance tasks, maritime monitoring, search and rescue, electronic warfare and armed combat missions, and radio link transmission and retransmission.

- Long Endurance: Can remain airborne for 18 hours, providing extended surveillance
- High Speed and Range: Enables rapid deployment and coverage of large areas
- Payload Capacity: 610 kg for carrying various sensors and equipment for ISR tasks
- Satellite Communication: Provides secure, reliable data transmission
- Autonomous Flight: Reduces operator workload



ANSCHÜTZ

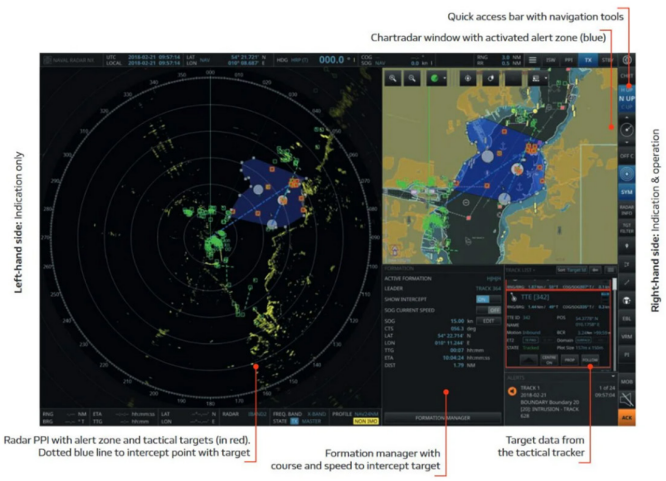
Product Name:
Naval Radar NX

Company:
Anschütz GmbH

Headquarters:
Kiel, Germany

Product Type
Application Software

Applications:
It is primarily used in the naval and maritime industries and is effective for monitoring asymmetric threats.
It is designed for a range of applications, including ship navigation, surveillance, and tactical operations.
Additional use cases include oil spill detection, ice and wave radar monitoring, intrusion detection, helicopter guidance, and fleet formation management.



Product Description:

Naval Radar NX is an effective detecting application software that enables customers to operate any radar related task from navigation to missions such as SAR, policing, or surveillance within a single, intuitive user interface.
The modular approach enables upgrades in functionality by pure means of software as needed for a specific mission.

- Advanced target tracking, target association and target management
- Unique automatic clutter suppression for a clear target display under any conditions (CFAR technology, “Cloud” atmospheric clutter reduction)
- Individual PPI organisation and filtering on each console due to RAW video transmission from the transceiver to the workstation
- Chart radar, sortable and filterable target lists, user profiles and many more features (e.g. moving draw objects, blind pilotage and prediction in conjunction with Electronic Chart Display and Information System NX)
- Parallel Index Line (PIL) functionality with up to 99 PILs
- Fully MED type-approved according to IEC 62388
- A «virtual transceiver» controls and merges video of multiple radar sensors
- Provides a single, seamless 360° image for improved collision avoidance
- ASTERIX server software converts and distributes raw radar videos to ASTERIX CAT-240 standard
- Applications include oil spill detection radars, ice radars, wave radars, intrusion detection systems
- Features include alarm zones, helicopter guidance, formation manager, and camera integration

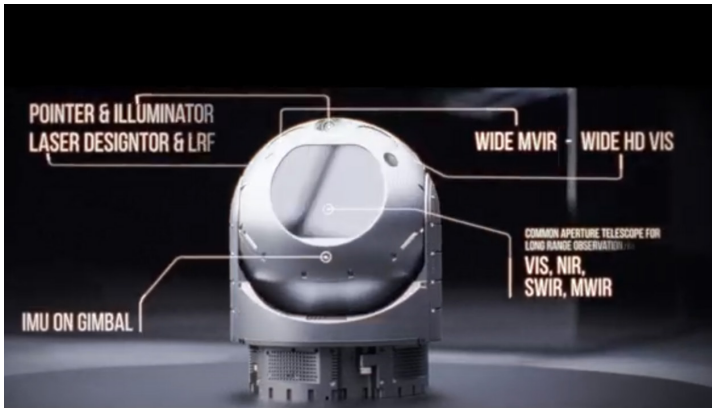
Product Name:
MOSP 5000

Company:
Aerospace Industries (IAI)

Headquarters:
Lod, Israel

Product Type
Multi-Mission Optronic Stabilised Payload

Applications:
It is designed for use on various platforms, including mission aircraft, helicopters, UAVs, ships, and maritime vessels, enabling detection, tracking, identification, and target marking. Its use in tactical ISR, border patrol, search and rescue, naval surveillance, and air-to-surface targeting makes it a versatile payload for both defence and homeland security missions.



Product Description:

MOSP5000 is an industry-leading Multi-Sensor Electro-Optical Payload from IAI›s TAMAM Division, the World Pioneer of Electro-Optical Solutions and the primary supplier of EO/IR for the IDF Air Force and Navy.

Designed for both maritime and airborne applications, MOSP5000 is a single LRU system that integrates HD thermal, short-wave infrared (SWIR), and day channels, delivering the best performance for an International Traffic in Arms Regulations (ITAR)-Free Solution in its class. Based on superior sensor technology, exceptional stabilisation, and cutting-edge image processing, MOSP5000 achieves long-range reconnaissance capabilities, ensuring maximum operational effectiveness.

- Integrates daylight, infrared, and SWIR cameras for high- quality imaging in challenging environments
- Features high image stabilisation and AI-driven automatic target tracking
- Achieve 23» payload performance in a 16» form factor size
- Optimised based on Combat-Proven experience
- 6-Axis High-Level Stabilisation
- Common Aperture and Integrated INS
- Air and Naval Applications
- Real-Time Analytics, Video and Image Processing

Product Name:
C-catcher ELM2025-

Company:
Aerospace Industries (IAI)

Headquarters:
Lod, Israel

Product Type
Multi-Mission Optronic Stabilised Payload

Applications:
C-catcher ELM2025- is designed for integration on various manned and unmanned platforms such as UAVs, mission aircraft, helicopters, and naval vessels. It enables wide-area maritime and airborne surveillance, detection, tracking, classification, and target identification. It is particularly effective in detecting small maritime targets in rough sea conditions, and in providing 3D situational awareness in air-to-air scenarios, including against low-RCS threats like UAVs.

Product Description:

The C-catcher ELM2025- with Active Electronically Scanned Array (AESA) antenna technology, is designed to perform maritime surveillance at altitudes that optimise range and wide area coverage.
The C-catcher radars employ inverse SAR (ISAR) and Range Signature (RS) modes to detect, track, and classify even small maritime targets in all sea states.

In air-to-air mode, the C-catcher radars detect and track multiple airborne targets, providing essential air situation awareness. This capability is crucial in identifying and responding to UAVs and other aerial threats, which pose significant risks to naval forces and critical infrastructure. By continuously monitoring the airspace, the radars ensure that potential threats are detected early, allowing for timely engagement by various air defence systems.

- Detects, tracks and classifies dozen objects simultaneously
- 360° detection radius with range up to 200 Nm
- 3D scanning (range, altitude, direction)
- Operates in X-band for effective all-weather performance
- Utilises the latest Gallium Nitride (GaN) and Active Electronically Scanned Array (AESA) technologies
- Scalable AESA antenna for integration on different sized platforms
- Excellent detection performance even in high clutter and interference
- Air-cooled design for significantly reduced size, weight and power (SWaP)

SEAL SQ
semiconductors + quantum

Product Name:
QS7001

Company:
SEALSQ Corp

Headquarters:
Hardware Platform

Product Type
Hardware Platform

Applications:
The QS7001 chip is engineered to provide post-quantum secure identity and data protection across a wide range of sectors, including multi-factor authentication devices, smart meters and smart grids, medical equipment, defence systems, IT and telecom infrastructure, automotive control units, industrial IoT, and cryptocurrency wallets. It is also integrated into UAVs and edge devices requiring high-assurance cryptographic protection.

Product Description:

QS7001 Post-Quantum Secure Chip ("QS7001 Chip") is a breakthrough security solution designed to protect from the rapidly emerging threats posed by quantum computing. The release of QS7001 Chip is scheduled to be released before 2025 year-end.

- Quantum computers can solve problems like integer factorisation and discrete logarithms, threatening public key cryptographic systems
- Parrot has integrated SEALSQ's secure chips into its flagship models, including the ANAFI USA, ANAFI Ai, and SKYCONTROLLER 4
- AgEagle has incorporated SEALSQ's secure elements in its eBee VISION UAS, specifically designed for ISR missions

Product Name:
Foxe

Company:
Evolve Dynamics

Headquarters:
Guildford, Surrey, UK

Product Type
Unmanned Aerial Systems (UAS)

Applications:
Designed for the defence industry, Foxe is tailored for immediate, tactical ISR missions in high-stakes and harsh environments, supporting frontline units with real-time situational awareness in contested, GNSS-denied, and rapidly evolving conditions.

Product Description:

Foxe is a sub250-g hand-launchable UAS designed for immediate ISR in dynamic, high-stakes scenarios. Foxe embodies resilience, agility, and a spirit of exploration, pushing the boundaries of tactical ISR.

This ultra-lightweight, pouch-deployable system ensures operators gain critical situational awareness swiftly and reliably

- Exceptional weather resistance: Operates effectively in wind up to 15.5 m/s (35 mph), rain, and rough coastal conditions (IP54 rated)
- Extreme temperature tested: Proven performance in temperatures ranging from -20°C to +55°C
- Rugged and field-serviceable: Combat-ready design built for real world use and rapid redeployments, with key components repairable on the go
- Extended endurance: Up to 35 minutes of flight time for persistent surveillance
- EW-resilient radio: Frequency-hopping technology for reliable operation in contested environments
- Fly without restrictions: Minimal training required – fast to learn, quick to deploy, built for real-world users
- Rapid deployment: Ready to fly in under 90 seconds from pouch to air
- Intuitive control: Designed for ease of use by non-specialist personnel

SKYFISH

Product Name:
Osprey

Company:
Skyfish

Headquarters:
Missoula, MT, US

Product Type
Uncrewed Aerial Systems (UAS)

Applications:
The drone is designed for infrastructure inspection and intelligence, surveillance, and reconnaissance (ISR) applications. It is used in industries like utilities for inspecting and modelling power distribution infrastructure, including substations, power lines, and wind turbines.

Product Description:

The Skyfish Osprey professional drone is purpose built for to inspect critical infrastructure and for intelligence, surveillance and reconnaissance (ISR). This drone with the NextVision Raptor EO-IR sensor delivers a zoom function up to 80X. It provides compact and powerful visual awareness to the Skyfish UAS operator and is the sensor of choice when best performance in the visible and infrared range is required.

- Built for the Sony LR1 and NextVision Raptor
- RTK, sub 3-cm accuracy
- Automated in-flight precision geotagging
- Frame synchronous data on all cameras, leaves an audit trail
- Support for photogrammetry or inspection missions
- Collision avoidance
- Up to 60-minute flight times
- Long range radio 3-5 miles

Product Name:
Wolfe

Company:
Evolve Dynamics

Headquarters:
Guildford, Surrey, UK

Product Type
Uncrewed Aerial Systems (UAS)

Applications:
Wolfe is purpose-built for the defence sector, providing tactical intelligence, surveillance, and reconnaissance (ISR) in hostile or denied environments. Its rugged and stealthy design enables extended covert monitoring, border patrol, battlefield situational awareness, and persistent observation missions.

Product Description:

Wolfe is a sub4- kg, ultra-rugged UAS built for extended missions in the harshest environments. Embodying strength, stealth, and intelligence, Wolfe is designed to endure and to reshape modern ISR tactics. Its exceptional stability in high winds and extended flight time make it an invaluable asset for persistent surveillance and reconnaissance.

- Unmatched wind stability: Handles sustained winds of up to 20 m/s (45 mph)
-
- Extended mission capability: Up to 60 minutes of flight time, with hot-swappable power for continuous operation and compatibility with the Infinity Tether for multi-day deployments
- Superior weatherproofing: IP55 rated for reliable operation in rain, dust, and salt-laden coastal air
- Ultra-rugged construction: Built to survive with a modular, field-repairable design for maximum uptime
- Enhanced stealth and discretion: Low acoustic output for covert operations
- Safe stand-off distance: High definition 3-axis dual-camera gimbal enables target recognition without detection risk
- Versatile deployment: Lightweight (<4kg) and backpack deployable, ready to fly in under 90 seconds from any location

ANDURIL

Product Name:
YFQ44-A

Company:
Anduril Industries

Headquarters:
Costa Mesa, CA, US

Product Type
Unmanned Combat Aerial Vehicle (UCAV)

Applications:
Designed for military and defence missions, particularly for autonomous air combat, force multiplication, contested airspace penetration, surveillance, and electronic warfare. Its performance and autonomy make it suitable for manned-unmanned teaming (MUM-T), suppression of enemy air defence systems (SEAD), and strategic ISR operations.

Product Description:

The YFQ44-A, known internally as “Fury,” was initially designed by Blue Force Technologies and later developed by Anduril. It is a high-performance, jet-powered aircraft designed for survivability and speed, featuring swept trapezoidal wings, a cruciform tail, and a chin-mounted air inlet. Powered by a Williams FJ4-44M turbofan, it can operate at altitudes up to 50,000 feet and approach near-supersonic speeds.

Its ability to perform 9G maneuvers adds tactical agility in contested airspaces.

- Utilises Lattice software for rapid development, testing, and fielding of Mission Autonomy
- Uses modular subsystems for interoperability with commercial hardware
- Allows rapid reconfiguration between RF, IR, and
- other capabilities for diverse missions
- Leverages commercial jet engines for optimised performance and fuel economy
- Delivers fighter performance up to.95M and 9Gs
- Offers reduced cost with low noise operating economics

OPTIEMUS UNMANNED SYSTEMS

Product Name:
Vajra QC55

Company:
Optiemus Unmanned Systems

Headquarters:
New Delhi, Delhi, India

Product Type
Multirotor Surveillance Drone

Applications:
Designed for the defence, law enforcement, and homeland security sectors, the Vajra QC55 is used in tactical aerial surveillance, border monitoring, counterinsurgency support, crowd control, disaster response, and reconnaissance operations in complex terrains like urban settings, forests, and conflict-prone border zones. Its real-time EO/IR feed and AI-based analytics provide actionable intelligence for rapid decision-making in critical scenarios.

Product Description:

Optiemus Unmanned Systems (OUS), a subsidiary of Optiemus Infracom Limited launched Vajra QC55 which is a compact multirotor drone, built for advanced aerial surveillance. Designed for advanced aerial surveillance, this multirotor drone integrates an Electro-Optical/ Infrared (EO/IR) camera to capture high resolution visuals during both day and night. Its vertical lift capability allows for quick launches and landings in tight and remote areas. Features like real-time imaging and AI analytics are to enhance decision making during critical operations. It is an effective tool for monitoring, reconnaissance, and rapid response scenarios.

- Offers 80+ minutes of flight time
- Offers 10 km range
- Supports real-time imagery with AI-based decision-making
- Integrates with precision EO/IR camera
- Enhances India's real-time drone surveillance capabilities

EHANG | 亿航

Product Name:
EH-216S

Company:
EHang

Headquarters:
Guangzhou, China

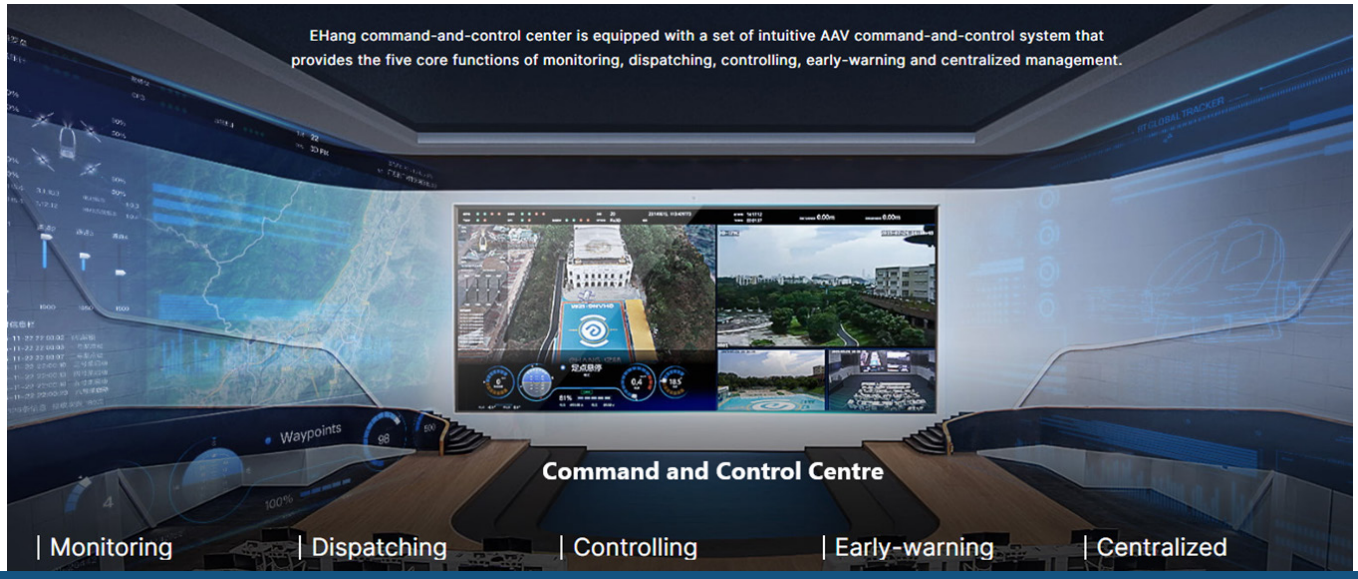
Product Type
Electric vertical takeoff and landing (EVTOL) aircraft

Applications:
The EH-216S is designed for a range of use cases within urban air mobility, including autonomous human transport (air taxis), emergency response (EMS), cargo and logistics delivery, tourism (aerial sightseeing), and aerial media. It is part of a broader smart city strategy, aiming to reduce urban congestion and introduce low-emission air-based transit options.

Product Description:

The EHang EH-216S is a pilotless, passenger-carrying eVTOL (electric vertical takeoff and landing) aircraft, capable of autonomous flights and designed for urban air mobility. The EH-216S received airworthiness certification from China's aviation regulator in October 2023, marking the world's first regulatory approval for a fully autonomous, passenger-carrying eVTOL aircraft.

- Provides maximum range of 30km
- Supports maximum take-off weight of 620kg
- Offers maximum design speed of 130 km/h
- Utilises 4G/5G high-speed wireless network links, enabling smooth communication between UAVs and the command and control centre along with real-time transmission of flight data



DRONESHIELD

Product Name:
UAS Incident Platform

Company:
DroneShield

Headquarters:
Sydney, NSW Australia

Product Type
Unmanned Aircraft System (UAS) Incident platform

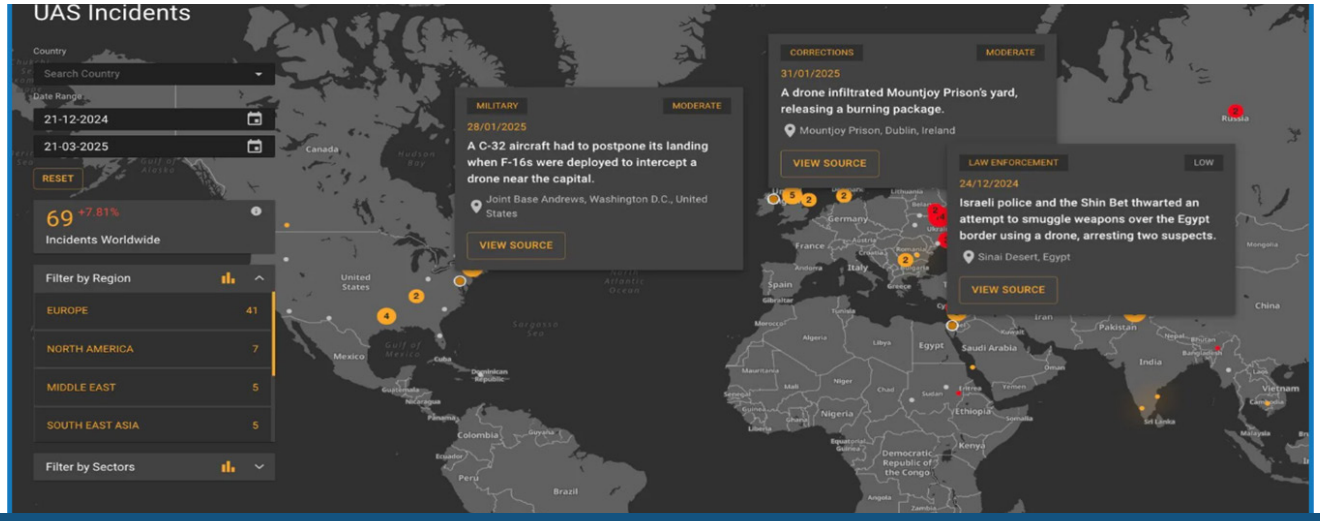
Applications:
It is primarily used in the defence and security industries to track and analyse drone-related incidents worldwide. The platform helps customers, including defence forces and public safety agencies, assess security breaches and emerging trends related to UAV activities. Also applicable for critical infrastructure protection, event security, border surveillance and airport safety.

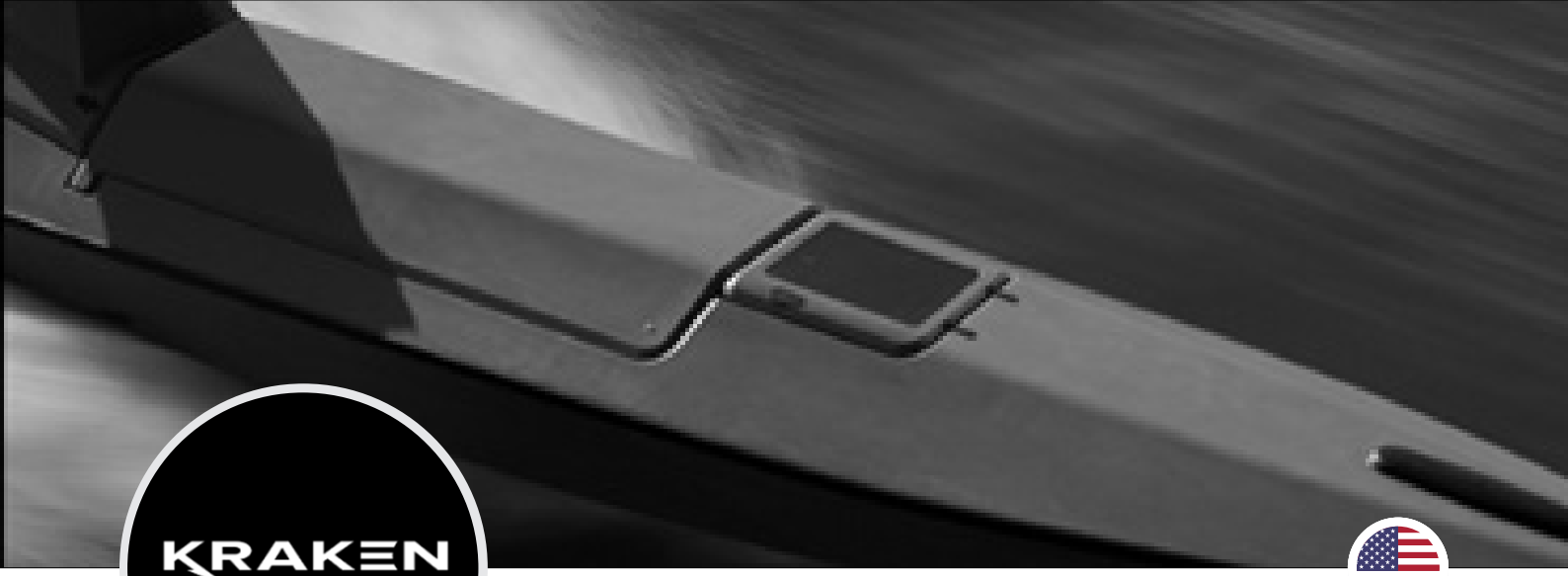
Product Description:

UAS Incident platform is a powerful new tool designed to provide DroneShield customers with comprehensive insights by sector into drone-related incidents worldwide. The UAS Incident platform aggregates and analyses open-source data, offering real-time intelligence on drone activities, security breaches, and emerging drone threats.

The UAS Incident platform provides organisations with timely and relevant data to enhance their security posture and stay ahead of potential drone threats. The platform is available to DroneShield customers through the Customer Portal, and complements the company's suite of industry-leading counterdrone solutions. Through the platform, users can filter incidents by region, sector and impact.

- Tracks, assesses, and responds to drone-related risks
- Leverages updated incident repository
- Allows clients to analyse emerging trends
- ·Beneficial for military and civilian customer





KRAKEN

Product Name:
K3 SCOUT Medium

Company:
Kraken Technology

Headquarters:
Costa Mesa, CA US

Product Type
Unmanned Surface Vehicle (USV)

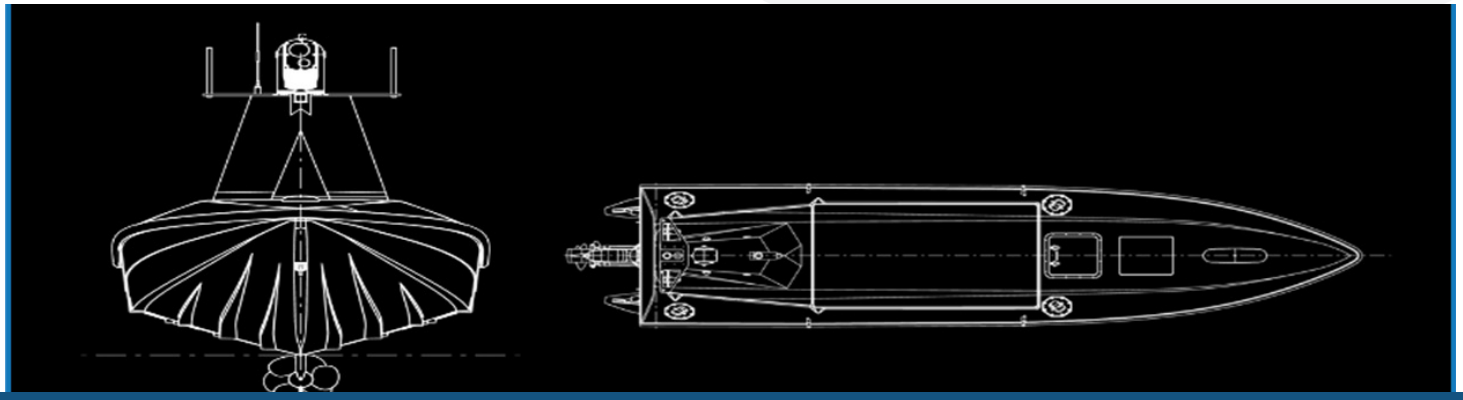
Applications:
A low-cost, low-signature, high-performance autonomous USV designed for defence, commercial, and humanitarian applications.

Product Description:

K3 SCOUT is a high-performance platform packs 55 knots top speed and delivers payload-defined effects before anyone knows you're there. The K3 Scou Medium boat is based on proven solutions and designs. It has a plastic hull with traditional contours, covered with a streamlined roof. The stern section is provided with a superstructure for placing some of the equipment.

The craft can be equipped with electro-optical, radar, and sonar payloads as well as a C5ISR [command, control, communications, computers, cyber, intelligence, surveillance, and reconnaissance] mission module and pilot module if necessary.

- 8.4m long, width of 1.93m, draft of 800mm
- Maximum displacement: 2.5t
- Comprises Scout Light, Scout Heavy, and Scout Max
- Maximum speed: 55 knots
- Economic speed: 25 knots
- Cruise range: 650 nautical miles
- Autonomy: 30 days



GREENROOM ROBOTICS

EUREKA NAVAL CRAFT

Product Name:
The AIRCAT Bengal MC (Module Carrier)

Company:
Eureka Naval Craft / Greenroom Robotics

Headquarters:
US / Australia

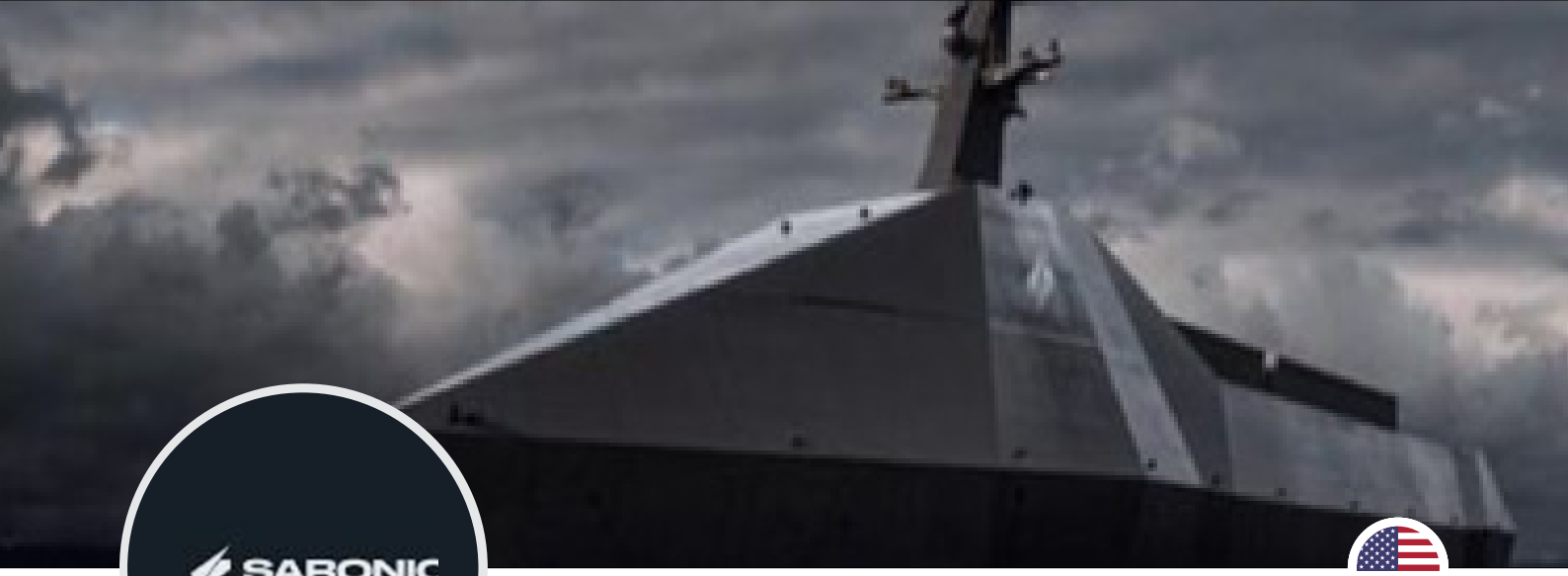
Product Type
Optionally Manned/ Autonomous Naval Attack Vessel

Applications:
It is primarily used in the naval defence and maritime industry. It is designed as a versatile platform for various naval missions, including troop transport, landing support, electronic warfare, amphibious landing support, mine warfare, and counter-mine warfare as well as to function as a mothership for aerial and surface UAVs to conduct drone operations.

Product Description:

The AIRCAT Bengal MC (Module Carrier) is a cutting-edge -36meter Surface Effect Ship (SES) designed for multi-mission operations, with autonomy and artificial intelligence systems developed by Greenroom. Developed in collaboration with ESNA Naval Architects, the AIRCAT Bengal MC is engineered to advance naval warfare.

- Capable of carrying 40-tonne payload, including cruise missiles, anti-ship missiles, drones, air defence, torpedoes, sea mines, and countermeasure systems
- Top speed exceeds 50 knots, dependent on payload
- Offers 1,000 nautical miles range
- Versatile platform for troop transport, landing support, electronic warfare, drone operations, mine laying, counter-mine warfare
- Optional primary armament includes 30mm remote weapon stations, onboard Anti-Tank Guided Missile (ATGMs), drones, and machine guns



Product Name:
Marauder

Company:
Saronic Technologies

Headquarters:
Austin, TX US

Product Type
Medium Unmanned Surface Vessel (MUSV)

Applications:
It is used in the defence and military industries. It is designed to support a wide range of missions including surveillance, reconnaissance, maritime security, electronic warfare, mine countermeasures, and logistics support. Purpose-built for the U.S. military and allied defense forces, it can also serve select commercial maritime applications where persistent, autonomous surface capabilities are required.

Product Description:

Marauder is a -150foot MUSV purpose-built to support a wide range of missions for the U.S., its allies, and commercial customers. Marauder is designed to be fully unmanned and will integrate the same proven autonomy stack used across Saronic's existing family of ASVs.
The vessel incorporates Saronic's vertically integrated approach, disciplined engineering philosophy, and strong domestic supplier network.

- Purpose-built for diverse missions
- Payload capacity of 40 metric tons
- Can travel up to 3,500 nautical miles or loiter for 30+ days
- Provides comprehensive capability at lower cost than legacy manned solutions

LOCKHEED MARTIN

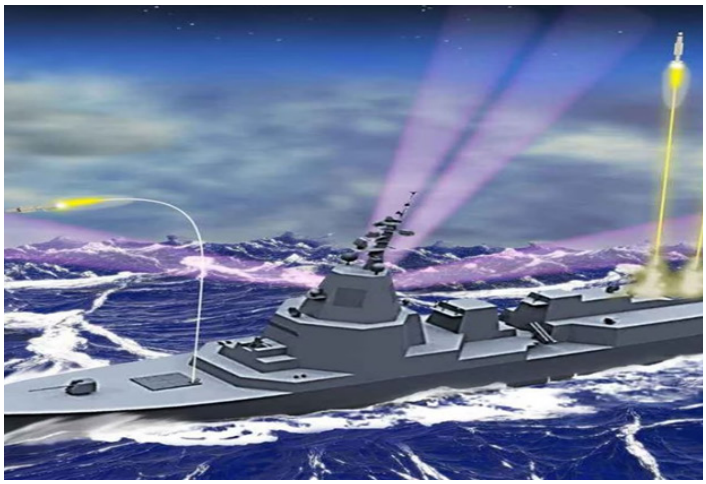
Product Name:
SPY7-

Company:
Lockheed Martin

Headquarters:
Bethesda, MD US

Product Type
Software-defined Digital Radar

Applications:
It is used in the defense industry, primarily within the naval and maritime sectors.



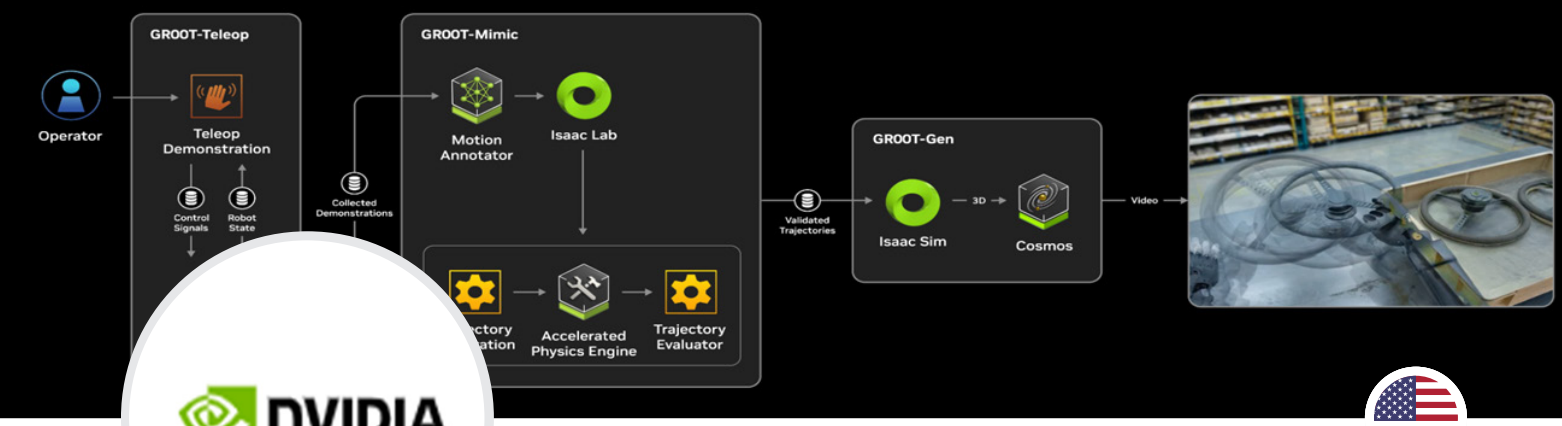
Product Description:

Lockheed Martin's SPY7- is positioned as a next-generation radar combining computing power, modular architecture, interoperability, and mission adaptability. Deployed across diverse platforms, from Guam's transportable radar to Aegis-equipped frigates, it is part of a broader vision of technological standardisation and international collaboration. Its scalable design and industrial partnerships are intended to ensure its operational relevance and sustainability well into the future.

SPY7- is built on the Long-Range Discrimination Radar (LRDR) program, which plays a central role in the U.S. homeland missile defence strategy. Installed in Alaska, the AN/FPY-X radar features two faces, each more than twenty meters tall and wide.

- Utilises advanced ballistic missile discrimination algorithms for accurate trajectory data
- Supports ground-based interceptors' effectiveness
- Differentiates among multiple simultaneous threats, crucial in response to evolving adversarial missile arsenals
- Uses polarisation diversity, a unique function in operational radar systems
- Adapts detection settings to threat nature, minimising false returns
- Enhances effectiveness in cluttered or complex operational environments

NVIDIA Isaac GR00T Blueprint For Synthetic Motion Generation



Product Name:
GR00T N1.5

Company:
NVIDIA

Headquarters:
Santa Clara, California, US

Product Type
Cloud-to-Robot Computing Platform

Applications:
It is primarily used in advanced robotics for training and deploying machine learning models, particularly for humanoid and autonomous robots. The platform enables sim-to-real learning, synthetic data generation, and high-performance AI reasoning, supporting applications across industrial automation, logistics, manufacturing, service robotics, and human-robot interaction systems.

Product Description:

NVIDIA announced Isaac GR00T N1.5, the first major update to its open, customisable foundation model for humanoid reasoning and skills, alongside a synthetic motion data blueprint to accelerate robot training. These new updates allow developers to train robots on new behaviors and adapt to unfamiliar environments without relying solely on real-world data collection, which can radically fast-track humanoid development and deployment. Plus, the Blackwell systems deliver 18x greater performance for large-scale processing.

- The core update in N1.5 uses a dual-system design inspired by human thinking: “System 1” for quick reactions, while “System 2” manages planning
- The GR00T-Dreams blueprint generates synthetic motion data, allowing developers to create vast datasets of robot behaviours in simulation
- Agility Robotics, Boston Dynamics, and XPENG Robotics are already integrating these Isaac technologies to fast-track their own humanoids
- NVIDIA also introduced its Blackwell systems, including RTX PRO 6000 workstations and servers, purpose-built for robot training and deployment

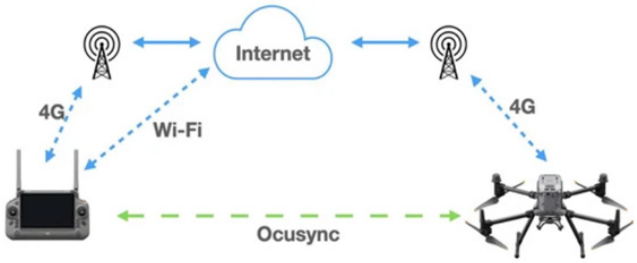
Product Name:
DJI Cellular Dongle

Company:
SZ DJI Technology

Headquarters:
Shenzhen, China

Product Type
4G Transmission System for Drones

Applications:
The DJI Cellular Dongle enables extended-range and real-time communication for drones, making it suitable for traffic and infrastructure monitoring, environmental surveillance, and urban security operations. It also supports precision agriculture by facilitating large-area data collection, and is valuable in search and rescue missions, especially during disaster response where reliable long-distance communication is critical for BVLOS (Beyond Visual Line of Sight) deployments.

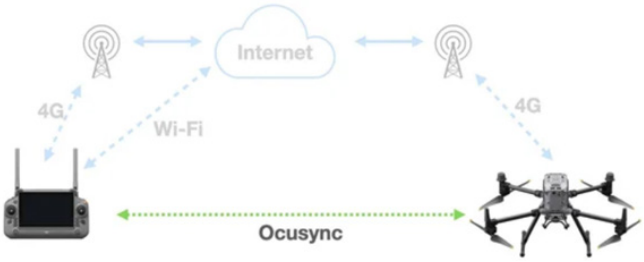


Connectivity under interference or long-distance transmission

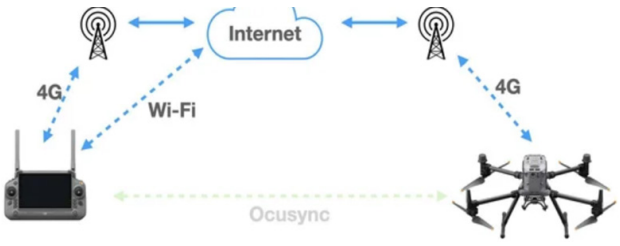
Product Description:

The DJI Cellular Dongle allows operators to transmit data, control drones and receive video feeds at significant distances with an advanced 4G transmission system.

- Works seamlessly with existing drone models and controllers
- Dual-Mode Operation with OcuSync ensures automatic switch to 4G mode if OcuSync is disconnected providing continuous communication
- Enhanced range allows drones to operate over longer distances with stable and precise image transmission



Connectivity under normal conditions



Connectivity under complete disconnection conditions

Honeywell

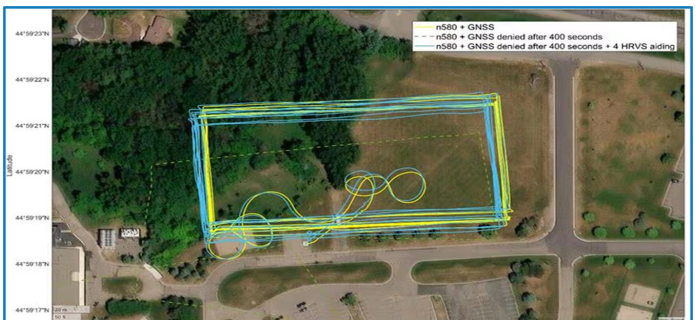
Product Name:
HGuide o480

Company:
Honeywell

Headquarters:
Charlotte, North Carolina, US

Product Type
Single-Card Resilient Navigation System

Applications:
The HGuide o480 is ideal for a wide range of industries, including small-form-factor unmanned aerial vehicles (UAVs), autonomous ground and underwater vehicles, and aerial and terrestrial mapping systems used in the geospatial and geodetics sectors. Its compact size, high precision, and GPS-denied navigation capabilities make it especially valuable for autonomous and mission critical operation.



Product Description:

Honeywell's HGuide o480 is a high-performance, single-card inertial navigation system (INS) engineered to deliver precise, resilient localisation and attitude data in a low size and weight. It offers unparalleled high-performance at a competitive price, complemented by Honeywell's extensive alternative navigation capabilities, making it a remarkable, resilient navigation solution that sets it apart from competitors. While the HGuide o480 is not a vehicle or drone itself, it plays a foundational role in enabling autonomy by providing critical navigation and positioning data for unmanned aerial, ground, and maritime missions.

- Integrated into electronics stack for precise localisation
- Reduces system size and integration complexity for faster deployment
- Compatible with multiple velocity aiding sensors, including Honeywell Radar Velocity Sensor
- Provides GPS-denied localisation performance
- Features anti-jamming and anti-spoofing capabilities via Septentrio's AIM+ technology
- Offers triple-frequency Mosaic X5 and dual-frequency, dual-antenna Mosaic H for GNSS attitude aiding
- Mosaic delivers best-in-class real-time kinematic GNSS performance

PTx Trimble

Product Name:
NAV960-

Company:
PTx Trimble

Headquarters:
Westminster, Colorado, US

Product Type
Guidance Controller, a GNSS receiver

Applications:
Primarily used in precision agriculture, the NAV960- also offers integration potential with autonomous and unmanned systems, including self-driving tractors and automated harvesters.

Product Description:

PTx Trimble, a joint venture formed in 2024 by AGCO and Trimble, delivers a next-generation GNSS receiver for precision auto guidance: the NAV960- guidance controller. Built for agriculture, it improves positioning accuracy and uptime while offering the computing power to support complex field operations and future capabilities.
The NAV960- is a substantial upgrade from its predecessor, the NAV900-, with faster processing, enhanced speed, and improved positioning performance. Onboard Wi-Fi and Bluetooth enhance ease of support and readiness for ongoing innovation across the PTx Trimble portfolio. By providing precise positioning and guidance, it supports the operation of autonomous agricultural machinery, such as self-driving tractors and harvesters.

- Patented industrial design with a rugged, dust-, water-, and vibration-resistant base
- Enhanced GNSS engine paired with improved inertial sensors, delivering up to 50% better vehicle positioning and line-following precision
- Trimble ProPoint® technology with IonoGuard™ offers resilience against solar interference and scintillation
- Centimeter-level accuracy when combined with Trimble CenterPoint® RTX or RTK correction signals
- Advanced quad-core processor for faster calculations and better data delivery
- Fully compatible with existing PTx Trimble steering systems using NAV-900 cables

JOUAV
Unmanned Aircraft System

Product Name:
VTOL Hangar: JOS-C800 Station and CW15-V VTOL drone

Company:
Chengdu JOUAV Automation

Headquarters:
Chengdu, China

Product Type
Fully-Automated VTOL Drone-in-a-Box System

Applications:
Suitable for a wide range of use cases, both in urban environments and remote areas lacking traditional drone support infrastructure—enabling autonomous operations without on-site personnel.

Product Description:

The JOUAV VTOL (Vertical Take-off and Landing) Hangar is a complete drone-in-a-box solution featuring a weatherproof JOS-C800 docking station, a high-performance CW15-V VTOL drone, and the intelligent Jocloud platform. Designed for 7/24 and all-weather operation, this integrated system automates tasks like drone takeoff, landing, charging, and data transmission and processing.

JOS-C800 docking station

- With a 20A charging current the station rapidly charges any drone within 120min
- Features a dual control system with automatic fire extinguisher and real-time surveillance cameras
- Built-in UPS system ensures uninterrupted operation for over 4 hours to manage unexpected power outages
- Can withstand harsh conditions IP54 dustproof and waterproof certification

CW-15V VTOL drone

- Cover large areas up to a 50km operation radius with a single deployment
- Can handle extended missions without recharging for flight times of 180min
- Multi-layered monitoring with cameras & weather sensors for complete situational awareness
- Seamless cloud management enables operators to launch missions and fleets or analyse data from anywhere
- Open system integrates with various payloads for enhanced third-party support
- Can be operated in extreme temperatures ranging from -20° C to +50° C

AUTEL ROBOTICS

Product Name:
EVO Lite Enterprise Series

Company:
Autel Robotics

Headquarters:
Shenzhen, China

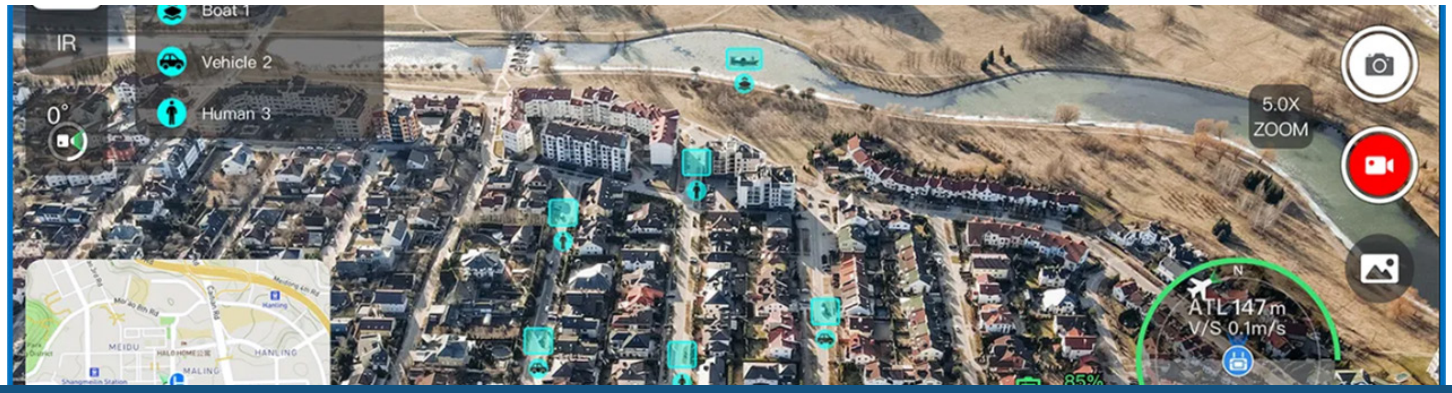
Product Type
Lightweight Multi-Purpose Aerial Drone (Enterprise UAV)

Applications:
Ideal for urban law enforcement, high-risk area security patrols, emergency search and rescue, firefighting support, and real-time disaster response through thermal and aerial surveillance.

Product Description:

The EVO Lite Enterprise Series by Autel Robotics is a lightweight, portable drone line designed for professional use. Featuring A-Mesh networking for dual-drone control, high-precision Simultaneous Localisation and Mapping (SLAM) navigation, and dual-camera gimbal options—including thermal imaging and a 6K -1inch Complementary Metal-Oxide-Semiconductor (CMOS) sensor—it excels in public safety with flexible, single-operator deployment.

- Weight: The device weighs 866 grams, making it easy to carry in a backpack
- Compact Design: Folded dimensions of 210 x 123 x 95 mm, ideal for quick deployment by a single operator
- Dual Gimbal System: Combines a visible-light camera (48 MP) with a thermal imaging camera (640x512 resolution)
- Thermal Imaging: Temperature measurement range from -20°C to 150°C (visible to 0°C to 550°C with ±3°C accuracy)
- Visible Light: Maximum video resolution of 4K 30P video with 16x digital zoom



Product Name:
Blackhawk 3 Pro

Company:
EXO Drones

Headquarters:
Salt Lake City, CA, US

Product Type
Professional Camera Drone

Applications:
The Blackhawk 3 Pro is ideal for filmmakers, vloggers, travel influencers, and drone hobbyists looking to capture high-resolution aerial footage.

Product Description:

The Blackhawk 3 redefines drone performance with its powerful features and versatile flight modes, making it the ultimate tool for both professional filmmakers and aerial enthusiasts. Whether you're capturing high-speed action, cinematic shots, or flying in challenging weather conditions, the Blackhawk 3 delivers exceptional performance, stability, and control.

- Three flight modes for versatility: Sport, Normal, and Film Mode
- Grade 7 wind resistance (up to 36 MPH)
- Advanced motors for unparalleled stability
- Smooth cinematic shots for professional content creators
- Compact, foldable design for easy portability
- Camera Quality: 4K HDR and 48MP camera for stunning imagery and video with exceptional detail and colour
- Flight Time: Up to 53 minutes of flight time, which is great for longer missions or capturing extended footage

Product Name:
Elios 3

Company:
Flyability

Headquarters:
Lausanne, Switzerland

Product Type
Collision-resilient LiDAR mapping and inspection drone for GPS-denied/confined spaces

Applications:
Elios 3 is purpose-built for industrial inspections in GPS-denied, hazardous, or confined spaces. It is widely used in nuclear energy, mining, oil & gas, waste management, disaster recovery, and insurance sectors to conduct detailed inspections in places where human access is unsafe or impossible. Its collision-resilient design and SLAM-enabled navigation make it indispensable for real-time 3D mapping and safe remote assessment

Product Description:

The Elios 3 is a specialised indoor drone designed for industrial inspection and mapping in GPS-denied and hazardous environments. With Flyability's patented collision-resilient design, a modular payload bay, and the FlyAware™ SLAM engine, it offers unmatched stability, real-time 3D mapping, and autonomy support in confined spaces. Used in sectors like nuclear, mining, and power generation, it transforms asset inspections into fast, safe, and data-rich operations—delivering LiDAR, thermal, and visual data through intuitive tools like Inspector software and 3D live maps.

- Flight Time: Up to 12.5 minutes without payload and ~9.1 minutes with LiDAR payload
- Rugged Design: Collision-resilient cage: Can bounce off obstacles and continue flying
- Reversing motors: Recovers from being flipped upside down
- Designed to meet IP44 (dust and splash resistance)
- FlyAware™ SLAM Engine: Combines LiDAR, computer vision, and an NVIDIA GPU to create real-time 3D maps
- Functions like an indoor GPS for precise navigation
- SLAM-Based Stabilisation: Provides extreme stability in confined and unpredictable environments

Product Name:
NETRA 5 UAV

Company:
ideaForge

Headquarters:
Navi Mumbai, India

Product Type
Small Unmanned Aerial Vehicle/ Tactical Unmanned Aerial Vehicle (SUAV / TUAV)

Applications:
The NETRA 5 is deployed across military, homeland security, and civil sectors for missions requiring reliable aerial intelligence. Key applications include tactical ISR, border and coastal surveillance, anti-terror and riot control, search and rescue, critical infrastructure protection, and emergency response in GNSS-denied or EW-heavy environments. It is also adaptable for industrial inspections such as mining, oil & gas, and land mapping.

Product Description:

NETRA 5 is a next-generation tactical UAV designed to excel in high-risk, high-demand environments. Built with cutting-edge autonomy, robust engineering, and advanced AI capabilities, it delivers mission-critical performance.

Engineered for resilience under electronic warfare and GNSS-denied conditions, NETRA 5 ensures secure communications and precise situational awareness. From military ISR operations to emergency response and border security, it offers unmatched versatility and reliability in every mission scenario.

- Rugged design optimised for tactical deployment
- Operates effectively in GNSS-denied and EW intensive environments
- Advanced frequency hopping capability to prevent jamming
- Secure, resilient communication systems
- High-zoom optical camera and FLIR Boson infrared sensor
- AI-driven real-time mission intelligence
- Multi-role capability: ISR and emergency response

TELEDYNE FLIR

Product Name:
SUGV™ 325

Company:
Teledyne FLIR LLC

Headquarters:
Wilsonville, OR, US

Product Type
Portable Tactical Unmanned Ground Vehicle (UGV)

Applications:
The SUGV 325 is engineered for military, law enforcement, and disaster response teams requiring robust situational awareness and manipulation capabilities in dangerous or inaccessible environments. Its core applications include Explosive Ordnance Disposal (EOD), CBRN threat response, remote surveillance, structural inspection in disaster zones, and tactical reconnaissance in urban warfare or counterterrorism operations.

Product Description:

SUGV™ 325 represents the cutting edge in portable robotics, designed to effectively address modern challenges. With its exceptional mobility and situational awareness capabilities, this single-person-lift robot offers a versatile solution for a variety of missions. Featuring a suite of modular payloads including a highly dexterous -5DOF manipulator, the SUGV can be tailored to meet the demands of both dismounted and mobile operations. The multi-robot control system is scalable to various Android tablet sizes and features a touchscreen interface as well as a hand-controller.

- HD camera
- LWIR (thermal) camera
- 360° stitched camera
- Infrared and white LED lights
- Two-way audio communication
- 5-DOF (degree of freedom) Manipulator Arm
- Lifts up to 20 lb (9.1 kg)
- Toolless interface for fast deployment
- 30x Optical Zoom Camera
- Long-range visual inspection

Product Name:
Carrier H6 Electric

Company:
Harris Aerial

Headquarters:
Casselberry, FL, US

Product Type
Heavy-Lift Multirotor UAV (Hexacopter)

Applications:
The Carrier H6 Electric is optimised for professional-grade missions requiring stability, high payload capacity, and extended flight time. Key applications include aerial surveying and mapping, search and rescue, remote supply delivery, infrastructure inspection, and emergency response. .

Product Description:

The Carrier H6 Electric by Harris Aerial is a heavy-lift, long-endurance hexacopter built for professional and industrial applications. Designed with a modular architecture and powered by dual smart lithium polymer batteries, it delivers high performance, payload flexibility, and extended flight times—making it ideal for missions requiring stability, autonomy, and endurance.

- Max Payload Capacity: 17.6 lbs (8 kg)
- Max Flight Time: 48 minutes
- Propeller Size: 29 inches
- Flight Speed: 15 m/s
- Power Supply: 48 V with smart 12S1P 16,000 mAh LiPo batteries
- Safety Features: Triple redundant IMU, redundant power supply, battery voltage & amperage monitoring

AIRDATA

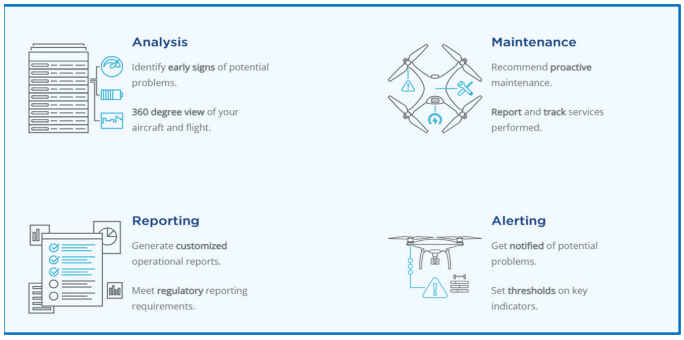
Product Name:
Drone Fleet Management Operation Platform

Company:
AirData

Headquarters:
El Dorado Hills, CA, US

Product Type
Drone Data Management & Fleet Operations Platform

Applications:
AirData is ideal for enterprise drone programs, drone service providers, and commercial operators managing large or distributed fleets. It supports industries like agriculture, utilities, construction, logistics, and mining by offering real-time performance insights, predictive analytics for crash prevention, regulatory compliance, and automated data capture. AirData reduces manual record-keeping, enhances safety oversight, and enables efficient scaling of drone operations.



Product Description:

Airdata UAV is a cloud-based flight data platform that enables drone operators to manage fleets, monitor compliance, analyse flight logs, and reduce operational risk. It supports integration with a wide range of drone models and flight apps, offering a °360 view of flight operations and pilot performance.

- Fleet Management: Automatically captures and organises flight data across drone fleets
- End-to-End Compliance: Maintains compliance with flight logging, maintenance, and pilot tracking
- Crash Prevention: Uses predictive analytics to identify risk factors and prevent incidents
- Risk Mitigation: Tracks maintenance schedules and identifies potential hardware issues
- Live Streaming: Supports real-time video streaming during flight operations
- Mission Planning Support: Integrates with multiple mission planning tools and logs pilot certifications and skills
- Broad Compatibility: Works with DJI, Autel, Parrot, Skydio, and over a dozen flight apps

Product Name:
AirHub® Portal

Company:
Airspace Link

Headquarters:
Detroit, MI, US

Product Type
Software Application

Applications:
AirHub® Portal is designed for both recreational and commercial drone operators to support safe, legal, and efficient drone flights. It offers real-time airspace awareness, pre-flight risk assessment, LAANC approvals, and BVLOS flight planning. The platform is also used by local governments, enterprise operators, and public safety agencies for strategic airspace management, geofencing, and drone corridor planning—making it essential for scalable, compliant drone operations in the U.S.

Product Description:

AirHub® Portal is a streamlined application designed for all drone pilots, offering sophisticated pre-flight risk assessment, improved situational awareness, B4UFLY services, and the capability to request Low Altitude Authorisation and Notification Capability (LAANC) approval directly from the FAA with just a few clicks in a single application. This free service is available to all drone pilots to enable and encourage safe and compliant drone flights.

AirHub® Portal includes a suite of crew and asset management features, as well as pilot management functionalities to track and monitor drone registration, usage, and activity. It also provides capabilities to enable sustainable BVLOS operations.

It is available as:
- A standalone mobile application
- An integrated feature in third-party platforms like Airspace Link's AirHub® Portal

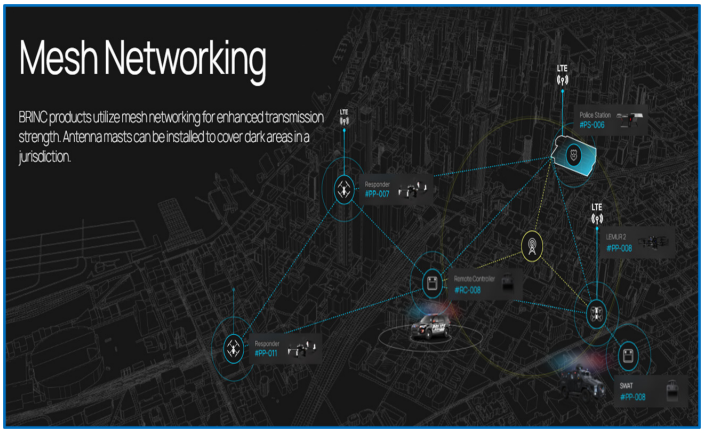
Product Name:
BRINC Responder

Company:
BRINC Drones Inc

Headquarters:
Seattle, WA, US

Product Type
Public Safety / Emergency Response Drone (UAV)

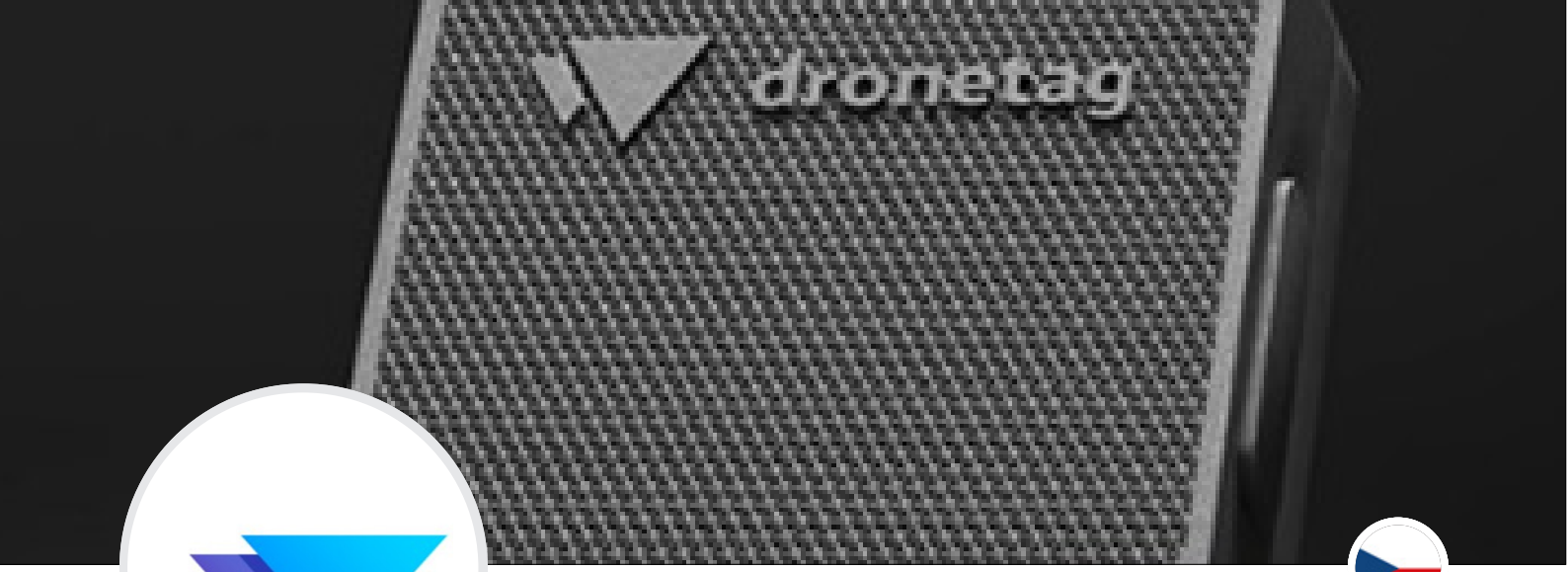
Applications:
The BRINC Responder is purpose-built for public safety use, including DFR (Drone as First Responder) deployments, law enforcement surveillance, search and rescue, tactical response (SWAT), fire management, and disaster relief operations. Its long flight time, thermal imaging, and two-way communication make it invaluable for rapid situational awareness and life-saving decision-making in high-stakes environments.



Product Description:

The BRINC Responder is a U.S.-made emergency response drone with -42minute flight time, 40x zoom, thermal imaging, and 4G control. It integrates with 911 systems for rapid DFR missions, offering real-time streaming, two-way comms, and modular payloads for public safety use.

- 42 Minutes of Flight Time: Provides sufficient time for extensive patrols, search and rescue, or surveillance operations
- 640px Thermal Camera: High-quality thermal imaging for low-light or night operations, with the ability to visually identify temperature differences (8-14 µm long wave infrared LWIR wavelength)
- 40x Zoom: The Responder offers a high level of zoom for detailed imaging from a distance
- 4G LTE Teleoperation: Enables remote piloting via an internet browser, regardless of location, ensuring real-time control and monitoring
- Two-Way Communications: Equipped with a loudspeaker (95 dBA) and microphone, enabling communication with people on the ground up to 100 feet away
- Accessories: Additional equipment includes payload dropper, parachute and spotlight



Product Name:
Dronetag Mini

Company:
Dronetag

Headquarters:
Prague, Czech Republic

Product Type
Hardware + Software Solution

Applications:
Dronetag Mini enables commercial and recreational drone operators to comply with Remote ID regulations across the EU, US, and other regions. It is ideal for retrofitting legacy drone models, ensuring global operability for BVLOS and urban operations. Used by enterprise drone operators, fleet managers, and regulatory agencies, the device facilitates secure identification, airspace transparency, and remote telemetry sharing, making it essential for compliant and safe drone missions worldwide.

Product Description:

The Dronetag Mini is a professional Remote Identification device that attaches to any drone. It is designed to ensure compliance with new drone regulations in both the EU and US, offering both Network Remote ID and Direct (Broadcast) Remote ID.

It transmits a drone's identity, position, and telemetry in real time—either to nearby receivers via Bluetooth or to a cloud platform via cellular networks.

- Remote ID Compliance: Meets EU prEN 4709-002 and US ASTM F3411 standards (FAA-approved)
- Dual Remote ID: Both Direct (Bluetooth) and Network (LTE/NB-IoT) supported
- Ultra-Lightweight & Compact: Weighs only 32g, about half the size of a credit card
- Global GNSS Support: GPS, GLONASS, Galileo, SBAS for precise positioning
- 14-Hour Battery Life: Extended flight missions without recharge; supports drone-powered ops too
- Advanced Security: Chip SIM, DTLS encryption, OTA firmware updates
- Integrated Sensors: GNSS, barometer, accelerometer for detailed flight telemetry
- MAVLink & DJI A3 Compatible: Supports
- professional drone controllers and Pixhawk integration
- Cross-Platform Dronetag App: For device management, flight planning, and airspace awareness

GENERAL ATOMICS AERONAUTICAL

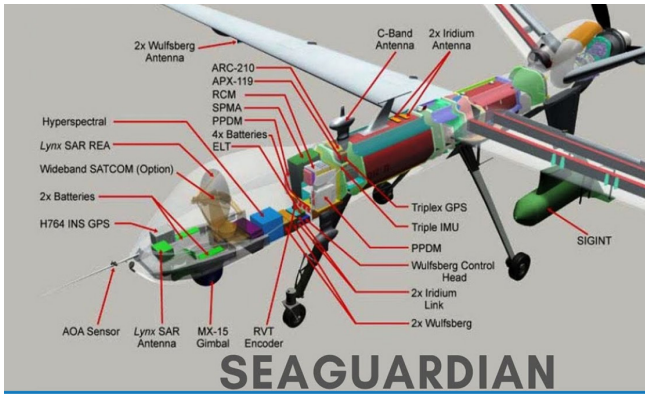
Product Name:
MQ9-B SeaGuardian

Company:
General Atomics Aeronautical Systems, Inc. (GA-ASI)

Headquarters:
Poway, CA, US

Product Type
Remotely Piloted Aircraft System (RPAS) / Maritime Surveillance and Reconnaissance Drone

Applications:
The MQ9-B SeaGuardian can be used by naval defence institutions, coast guard and civil maritime authorities for maritime defence and security, naval ISR & ASW operations, joint force surveillance and homeland security. It can be configured to conduct a number of maritime ISR operations, including humanitarian assistance/disaster relief, search and rescue, law enforcement, anti-surface warfare, anti-submarine warfare, airborne mine counter measures, long-range strategic ISR and over-the-horizon targeting.



Product Description:

The MQ9-B SeaGuardian is a maritime-optimised version of the SkyGuardian RPAS, designed to deliver persistent ISR across the maritime domain. Equipped with a modular sensor suite, it enables real-time intelligence collection, submarine detection, and long-range patrols. The SeaGuardian is capable of over-the-horizon operations in all-weather conditions and integrates seamlessly into civil and military airspace.

- Endurance: 30+ hours (depending on configuration)
- Maritime-Specific Payloads: Centreline wide-area maritime radar, Automatic Identification System (AIS), Electronic Support Measures (ESM), Self-contained ASW mission kit and Sonobuoy Management and Control System (SMCS) + Sonobuoy Dispenser System (SDS)
- Sonobuoy Capability: Carries up to 40 'A' size or 80 'G' size sonobuoys and Perform full ASW missions (search, track, prosecute)
- Mission Radius: 1,200 nautical miles
- Certifications: NATO STANAG 4671 and Civil airspace compliant (FAA, UK CAA)
- Air Traffic Integration: Detect and Avoid (DAA) system and Certifiable Ground Control Station
- Multirole Use: Complements manned platforms in MUM-T (manned-unmanned teaming) scenarios

Product Name:
MiR MC600

Company:
Mobile Industrial Robots, Universal Robots and Enabled Robotics

Headquarters:
Odense, Denmark

Product Type
Autonomous Mobile Robot (AMR) with Integrated Collaborative Robotic Arm

Applications:
The MC600 can be used in sectors such as industrial manufacturing, logistics and warehousing, machine shop, high-mix, low-volume manufacturing and automated internal logistics. The MC600 can be used for tasks such as machine tending in a loop sequence (365-7/24) to reduce downtime, for line-site delivery, to transport and handle materials to reduce the burden of repetitive tasks and ensure traceability and for replenishing supplies.

Product Description:

The MiR MC600 combines the MiR600 autonomous mobile robot with Universal Robots' UR20/UR30 collaborative robot arms to automate tasks requiring both high payload and mobility. Designed for heavy materials handling, the MC600 enables fully autonomous, flexible automation of complex workflows in manufacturing and logistics environments.

- Payload Capacity: Mobile base: 600 kg (1,322 lbs) and UR20/UR30 cobots support high-payload manipulation tasks
- Flexible Automation Use Cases: Palletising, box handling, machine tending and multi-machine servicing
- Ergonomics & Safety: Reduces physical strain on human workers and minimises manual material handling
- Mobility + Dexterity Integration: Combines autonomous navigation with precision manipulation and Operates with minimal downtime
- Unified Software Control: Seamlessly managed via Enabled Robotics' software platform

GENERAL ATOMICS AERONAUTICAL

Product Name:
MQ9-A "Reaper"

Company:
General Atomics Aeronautical Systems, Inc. (GA-ASI)

Headquarters:
Poway, CA, US

Product Type
Remotely Piloted Aircraft (RPA) – MALE Class

Applications:
The MQ9-A is widely used in defence, homeland security, maritime surveillance, and aerospace R&D, primarily for ISR and precision strike missions. It supports armed reconnaissance, ground troop support, and target acquisition with laser designation. The platform is also used in counter-terrorism, border security, and post-strike battle damage assessment. Its long endurance and multi-mission payloads make it a critical asset for joint-force and multi-domain operations.

Product Description:

The MQ9-A "Reaper" is a turboprop-powered, multi-mission remotely piloted aircraft developed by General Atomics Aeronautical Systems Inc. Designed for modular payload integration, the MQ9-A is a proven platform used globally by defence and homeland security forces.

- Endurance: Over 27 hours (up to 34 hours with ER kit)
- Altitude: Operates up to 50,000 ft
- Speed: Max 240 KTAS
- Payload: 850 lb internal, 3,000 lb external and MTS-B EO/IR, Lynx Multi-mode Radar, SIGINT/ESM, maritime radars, laser designators
- Reliability: Triple-redundant flight control systems, Fault-tolerant avionics and Over 90% operational availability
- Control Options: Remotely piloted or fully autonomous
- Data Links: C-Band (LOS), Ku-Band (BLOS/SATCOM)
- Transportability: C-130 transportable or self-deployable

GENERAL ATOMICS AERONAUTICAL

Product Name:
Gray Eagle STOL

Company:
General Atomics Aeronautical Systems, Inc. (GA-ASI)

Headquarters:
Poway, CA, US

Product Type
Short Takeoff and Landing (STOL) Remotely Piloted Aircraft – Multi-Mission Tactical Class

Applications:
The Gray Eagle STOL can be used in the defence and military sector, in naval operations, electronic warfare and signals intelligence and emerging combat systems integration. It offers runway independence and can be launched from warships or any location with limited take-off space. It enables multi-mission expeditionary versatility with high payloads supporting logistics along with attack and reconnaissance capability.

Product Description:

The Gray Eagle STOL is an expeditionary-capable, short takeoff and landing variant of the battle-proven Gray Eagle UAS developed by General Atomics Aeronautical Systems Inc. Designed for launch from austere environments—ranging from aircraft carriers to unprepared terrain—it delivers unmatched versatility for forward-deployed, high-risk missions. Capable of armed reconnaissance, logistics support, and ISR missions, the STOL variant is optimised for dynamic, contested battlefield scenarios.

- STOL Capability: Operates from short, rugged, or improvised runways, including warships
- Multi-Mission Ready: Supports armed reconnaissance, over-the-horizon targeting, and SIGINT/EW
- Expeditionary Design: Designed for use in denied, austere, or maritime environments
- Open Architecture: Enables advanced teaming, autonomy, and AI/machine learning integration
- Combat-Proven Lineage: Built on the proven Gray Eagle platform with enhanced versatility
- Advanced Payload Options: Compatible with Air-Launched Effects (ALEs), electronic warfare systems, and more

Product Name:
DJI Flip

Company:
SZ DJI Technology Co., Ltd.

Headquarters:
Shenzhen, China

Product Type
Compact Consumer Vlog Drone

Applications:
The DJI Flip is suitable for capturing footage of outdoor activities like camping, trekking and hiking. The drone is popular among vloggers and is widely used in the social media marketing and influencer segment as well as the tourism and lifestyle sector.

Product Description:

The DJI Flip is a compact, foldable drone designed for vloggers, travelers, and casual creators. Weighing under 249 grams, it features a high-end 1.3/1" CMOS sensor, 4K/60fps HDR video, and subject tracking, making it an ideal tool for capturing cinematic content on the go. Its palm takeoff, foldable full-coverage propeller guard, and voice control make it extremely beginner-friendly and travel-ready.

- Weight: Under 249g – legal-friendly in many regions without licensing
- Camera: 1/1.3-inch CMOS sensor, 48MP stills with dual native ISO, 4K/60fps HDR and 4K/100fps slow motion video and 10-bit D-Log M for professional color grading
- Flight Time: Up to 31 minutes
- Transmission: DJI O4 – up to 13 km with 1080p/60fps live feed
- Safety & Ease of Use: Foldable full-coverage propeller guard, 3D infrared sensing + auto-braking and Palm takeoff, voice control
- Intelligent Shooting Modes: Subject Tracking and MasterShots, Dronie, Rocket, Circle, Boomerang, Spotlight
- Connectivity: Wi-Fi Direct for control without remote, fast media transfer
- App Integration: DJI Fly app with editing, beautification, and cinematic templates

Product Name:
DJI Inspire 3

Company:
SZ DJI Technology Co., Ltd.

Headquarters:
Shenzhen, China

Product Type
Professional Cinematography Drone

Applications:
The DJI Inspire 3 is designed for high-end aerial cinematography in film, television, and advertising production. It is also used by architects, surveyors, and real estate professionals for detailed aerial mapping, visualisation, and site documentation requiring high-resolution imaging.

Product Description:

The DJI Inspire 3 is a cutting-edge aerial cinematography platform built for professional filmmakers. Featuring a custom full-frame 8K camera, RTK-enabled precision flight, omnidirectional obstacle sensing, and integration with the DJI Pro ecosystem, it sets new standards for cinematic drone production. Its all-in-one design merges high-speed flight, long endurance, and uncompromising image quality.

- 8K Full-Frame X9-8K Air Camera
- Supports Apple ProRes RAW and CinemaDNG (license required)
- Dual native ISO & 14+ stops of dynamic range
- Compatible with DJI DL-mount prime lenses
- Waypoint Pro with RTK Precision
- Centimetre-level flight path execution
- Repeatable Routes & 3D Dolly cinematic tools
- Advanced Obstacle Avoidance
- 360° omnidirectional sensing with fisheye cameras
- Customisable avoidance settings for full creative control
- O3 Pro Transmission System
- 15 km video transmission (single control)
- Dual-control and 4K/30fps live feed support
- Compatible with DJI Master Wheels, Three-Channel Follow Focus, DJI Transmission

Product Name:
Maritime Heron

Company:
Aerospace Industries

Headquarters:
Lod, Israel

Product Type
Medium Altitude Long Endurance (MALE) Unmanned Aerial System (UAS)

Applications:
The Maritime Heron is a versatile UAV with extensive application in the defence and naval sector, homeland security, maritime law enforcement, coast guard operations and environmental compliance. It provides continuous surveillance, threat detection, and operational support in monitoring shipping lanes, conducting search and rescue operations, and securing sovereign maritime zones.

Product Description:

The IAI Maritime Heron is a next-generation Unmanned Aerial System (UAS) optimised for maritime intelligence, surveillance, and reconnaissance (ISR) missions. Based on the reliable Heron MALE platform, it features a powerful multi-sensor payload, SATCOM-enabled long-range control, and a -45hour endurance for persistent coverage of vast maritime areas. It is built to endure harsh environments and has been operationally validated by multiple naval forces worldwide.

- Endurance: Up to 45 hours continuous flight
- Altitude: Operates at over 35,000 ft
- Range: BLOS > 1000 km (via SATCOM)
- Dual Automatic Take-Off and Landing (ATOL) system
- All-weather capability (hot, humid, cold, snowy, icy)
- Integrated shipborne/ground control systems
- Certified aviation-grade engine
- Proven Operational Record: Over 2.2 million

REDWING AGRICULTURE

Product Name:
REDWING R-6AG

Company:
Redwing Labs

Headquarters:
Bengaluru, Karnataka, India

Product Type
Agricultural Drone (Multirotor UAV for Crop Spraying and Farm Automation)

Applications:
The Redwing R-6AG is used in precision agriculture for crop monitoring, aerial spraying, field mapping, and soil analysis. The drone can be used by large-scale farmers, ranchers, researchers and commercial agriculture companies.

Product Description:

The Redwing R-6AG is an advanced agricultural drone developed and manufactured in India by Redwing Labs. Purpose-built for modern farming, it provides efficient and environmentally friendly crop spraying solutions. Featuring a smart battery management system, obstacle avoidance sensors, swappable payloads, and a user-friendly mobile app, the R-6AG aims to increase yields, lower operational costs, and reduce chemical waste. The drone is tailored for rugged terrain and supports precision farming at scale.

- Flight Time: 25 minutes
- Coverage: Up to 6 acres/hour
- Spray Flow Rate: 0–5 L/min
- Spray Tank Capacity: 10 litres
- Flying Speed: 0–15 m/s
- Range: 2 km
- Takeoff Weight: 29.84 kg
- Swappable Payloads: Multi-utility for spraying, monitoring, etc.
- Advanced Obstacle Avoidance Sensors: For trees, terrain, structures
- Durable & Weatherproof Build: For rugged field use
- Mobile App: Agriculture-focused with drone health monitoring, analytics, and intuitive controls

Product Name:
TAVAS UAS by Neosky (Throttle Aerospace Systems)

Company:
Throttle Aerospace Systems Pvt Ltd

Headquarters:
Bengaluru, Karnataka, India

Product Type
AI-Powered Surveillance Drone (UAS for Day/Night Monitoring and Object Detection)

Applications:
The TAVAS UAS is used for gathering real-time aerial footage and data for situational awareness in potentially high-risk locations such as international borders. It can also be deployed for prolonged surveillance during large public events or large facility protection. Its primary users include public safety and law enforcement agencies, homeland security, event surveillance and crowd monitoring as well as traffic and transportation management agencies.

Product Description:

The TAVAS UAS by Neosky is an advanced multi-role surveillance and monitoring drone built for tactical intelligence, security, and law enforcement operations. It features a 10x zoom camera, six-sided LiDAR obstacle avoidance, IP54 protection, and AI-powered analytics for identifying people, vehicles, objects, and license plates. Designed to operate in various light and terrain conditions, it offers up to 45 minutes of flight time and integrates seamlessly with ground-based detection systems, making it highly adaptable for urban, perimeter, and critical infrastructure surveillance.

- Altitude: Up to 120 metres AGL
- Flight Time: Up to 45 minutes
- Speed: Cruise at 10 m/s, Max at 26 m/s
- Battery: Customisable Li-Po battery system
- Obstacle Avoidance: 6-side LiDAR coverage
- Camera: 10x Optical Zoom
- Ingress Protection: IP54 (dust and splash resistant)
- Range: Up to 3 km
- Communication Link: FHSS 2.4 – 2.482 GHz
- Integration Support: Compatible with long-range ground detection systems

AEROARC

Product Name:
Trishul

Company:
Aeroarc Pvt Ltd

Headquarters:
New Delhi, Delhi, India

Product Type
Covert Surveillance UAV (Medium Range Recon Drone)

Applications:
Trishul is primarily used for military reconnaissance, surveillance, and intelligence-gathering missions, particularly in high-risk and border environments. It supports situational awareness for soldiers on the ground and is also suitable for civilian use in search and rescue operations under challenging conditions.

Product Description:

Trishul is a stealth-oriented tactical UAV designed for military reconnaissance with advanced thermal and EO sensors, obstacle avoidance, and ultra-low noise. It enhances soldier situational awareness in high-risk missions

- 40-min flight time
- Day/Night 360° obstacle avoidance
- 64MP EO + FLIR Boson 320P Thermal camera
- AI-based object tracking
- Low acoustic signature, IP55 rating
- 10 km operational range
- ms

Product Name:
XAG P150

Company:
XAG Co., Ltd

Headquarters:
Guangzhou, China

Product Type
Multi-Functional Agricultural UAV (Unmanne Aerial Vehicle)

Applications:
The XAG P150 agricultural drone is primarily used to cover large areas for high-performance operations. It's designed for open fields and large orchards to perform tasks such as direct seeding, fertilizer spreading, and spraying pesticides. THE UAV is ideal for agricultural companie and research organisations to integrate precision farming with conventional practices.

Product Description:

The XAG P150 is a heavy-duty agricultural drone optimised for high-efficiency spraying, spreading, and field mapping. Featuring modular payload systems, advanced autonomy, and real-time terrain adaptation, it significantly boosts productivity and precision in modern farming. With AI-powered control systems, it enables variable-rate applications, swarm coordination, and autonomous missions — all while supporting sustainable agriculture practices.

- Up to 70 kg for spray/spread, enabling industrial-scale operations
- Intelligent rotary atomisation for high-precision crop coverage
- Can distribute up to 280 kg/min with different granule types
- Operates without preloaded maps using real-time 3D terrain scanning
- 4D imaging radar for safe operations across varied terrain
- Easily switch between spraying, spreading, and mapping via modular setup
- Includes XAG One App, ACS4 Control Stick, and SRC4 Controller with swarm support
- 8-minute rapid charge using XAG's SuperCharge battery system
- IPX6K-rated water-resistant body, foldable arms, and easy transport
- Supports autonomous operation without internet via mobile RTK base station

Product Name:
xRAID™ Smart Plane by WingXpand

Company:
WingXpand

Headquarters:
St Louis, MO, US

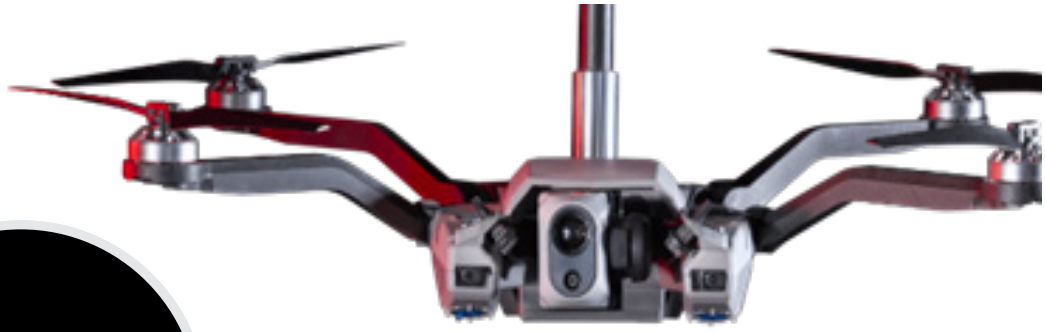
Product Type
Disposable AI-Enabled Fixed-Wing Smart UAV for Defence Training & Conflict Operations

Applications:
The WingXpand xRAID is a smart plane designed for rapid deployment with applications in public safety, defence and agriculture. It can also be used for tasks like fire scouting, perimeter security, utility inspection, supply drops along with training and conflict scenarios. It can be used by the military for situational awareness, reconnaissance, and covert operations as well as by law enforcement agencies and security organisations.

Product Description:

The xRAID™ by WingXpand is a modular, disposable smart UAV designed for tactical military operations and high-scale training exercises. Featuring Edge AI, full autonomy, GPS-denied flight, and swarm support, it offers mission adaptability with the economic and logistical benefits of a low-cost, mass-deployable drone. With up to 750 units transportable in a single 40' Conex box, xRAID is built for both scale and speed, enabling operators to train in peace and overwhelm in conflict.

- Built for single or limited-use deployment without compromising mission value
- 750 xRAID units can fit into a 40-ft shipping container—ideal for rapid force projection
- Enables GPS-denied navigation, object detection, and AI-powered decision-making
- Coordinates with multiple units in contested environments
- Allows for real-time targeting, ISR, or training simulation
- Open architecture supports flexible integrations for ISR, comms, decoys, etc
- Maintains a low sound signature above 150 ft, enhancing stealth capability
- Engineered for scalable, secure manufacturing and fast delivery cycles



TEAL™
A RED CAT COMPANY

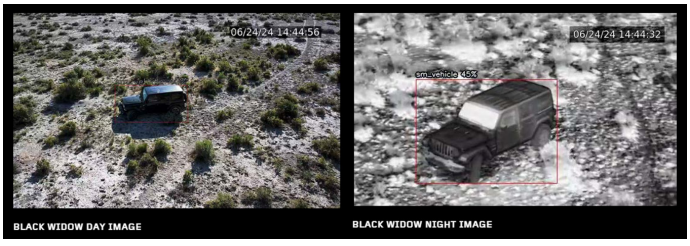
Product Name:
Black Widow

Company:
Teal Drones

Headquarters:
Salt Lake, UT US

Product Type
Tactical Short-Range Reconnaissance Drone (EW)

Applications:
The Black Widow drone is primarily used for tactical defense, short-range reconnaissance, electronic warfare resilience, and rapid threat identification. Its modular architecture enables quick reconfiguration in field environments, while AI capabilities ensure autonomous flight, real-time decision-making, and coordinated multi-drone operations. Designed for GPS-denied and communication-contested zones, it is a Blue UAS-approved platform suitable for frontline deployment and NATO-aligned ISR missions.



Product Description:

The Black Widow™ drone is part of the Arachnid™ family and is engineered for Electronic Warfare (EW) operations, offering AI-powered reconnaissance and stealth capabilities. With a high-resolution EO/IR camera (Hadron 640R+), modular payloads, and the Athena AI software for target identification, it provides military forces with a compact, high-performance ISR solution.

It offers +35 minutes of flight time, -5mile (8 km) range, and is field-repairable. Its advanced stealth mode, quiet acoustic signature, and resilient communication system (Doodle Hex-Band Radio) ensure operational effectiveness in hostile environments.

- 35+ minutes of operational flight time
- 10 m/s (23 mph) maximum speed
- 5 miles (8 km) maximum operational range
- Hadron 640R+ EO/IR camera with stabilisation & EIS
- Athena AI for target identification, tracking, and classification
- Quiet operation with Stealth Mode (radio off during missions)
- Supports primary/secondary payloads for mission flexibility
- Visual Odometry and Near-Future Visual Navigation
- Qualcomm RB5 for high processing power, AI capabilities
- Optional integration

Product Name:
Sicarius UGV

Company:
TAG Dynamics

Headquarters:
Al Jazeera Al Hamra, Ras Al Khaimah, UAE

Product Type
Hybrid Tactical UGV with Modular Payload Capability

Applications:
The Sicarius UGV is designed for defence as well as civilian applications. Its defence capabilities include carrying weapons, ammunition, and supplies, as well as serving as a mobile medical unit. Its civilian uses include security operations, disaster relief and in-transit vehicle operations.

Product Description:

The Sicarius UGV by TAG Dynamics is a light tactical unmanned ground vehicle purpose-built for modular battlefield support. Capable of performing exploratory, light assault, reconnaissance, or medical evacuation missions, the Sicarius features a hybrid drivetrain, a 600 kg payload, and eight interchangeable wheels for superior terrain adaptability. Engineered for rapid field assembly and extreme environments, it provides autonomous or remote-controlled operational flexibility, complemented by °360 camera surveillance.

- Payload Capacity: 600 kg
- 8x8 chain-driven with swappable tire sets
- Hybrid-electric (40 kW output)
- 5 hours primary + 1-hour battery reserve
- Top Speed: 32 km/h
- Assembly: 8 hours with 2 crew and basic tools
- Cameras: Full 360° situational awareness suite
- Operational Temp Range: -40° to +60°C
- Functionality: Configurable for combat support, logistics, casualty evacuation, and reconnaissance
- Construction: Rugged, field-repairable platform with modular payload mounts

ideaForge
Create. Inspire

Product Name:
SWITCH V2

Company:
ideaForge

Headquarters:
Navi Mumbai, Maharashtra India

Product Type
VTOL Fixed-Wing UAV for ISR, Tactical, and Mapping Applications

Applications:
The SWITCH V2 UAV is used for security, surveillance, and tactical missions, with a focus on long-range and high-altitude capabilities. It's used for applications like border patrol, public safety, and disaster management, offering real-time intelligence gathering and situational awareness. The drone can be used in the defence sector along with law enforcement for smart policing & crowd surveillance. It can also be used by research organisations for environmental monitoring and in disaster management to provide emergency logistics.

Product Description:

SWITCH V2 is a VTOL (Vertical Takeoff and Landing) fixed-wing drone designed for long-endurance missions in challenging terrains. It's used in security, surveillance, mapping, border patrol, disaster response, and public safety applications.

It combines the maneuverability of quadcopters with the efficiency and range of fixed-wing drones, providing the best of both worlds. It's DGCA-type certified and optimised for high-reliability performance in military, government, and enterprise deployments

- Range: Over 20 km operational range
- Flight Time: Up to 150 minutes
- Precision Landing: ±10 meters
- Payloads Supported: EO/IR, Thermal, Mapping, Dual Sensors
- Deployment: Rapid deployment with minimal prep
- Terrain Capability: Operates in mountains, deserts, high altitudes
- Performance: Delivers 25% performance boost over predecessor
- Security Applications: Day/night ISR, crime prevention, border security, disaster response
- Mapping Applications: High-precision geospatial mapping for defence and civilian use

Product Name:
Q6 V2 UAV

Company:
ideaForge

Headquarters:
Navi Mumbai, Maharashtra India

Product Type
VTOL Fixed-Wing UAV for ISR, Tactical, and Mapping Applications

Applications:
The Q6 V2 UAV is primarily used for surveying and inspection with its high area coverage and quadcopter design allowing for efficient and quick completion of large-scale mapping projects. It's a flexible, cost-effective tool for civil infrastructure and utilities inspection, disaster response mapping and surveillance of high-risk areas such as war zones.

Product Description:

The Q6 V2 is a small-category quadcopter UAV purpose-built for surveying, mapping, and inspection missions. It's lightweight, man-portable, and offers long endurance and high-quality imaging across multiple payload types—daylight, thermal, photogrammetry, and multispectral.

- Flight Time: Up to 72 minutes
- Range (Radio LOS): Up to 10 km
- Take-off Weight: Up to 5.9 kg
- Operational Type: VLOS, up to 2 km practical
- Deployment: Rapid, man-portable quadcopter
- GSD & Mapping Accuracy: Survey-grade with photogrammetric payloads
- Compatible Outputs: 3D Models, DSM, DTM, Contours, Point Cloud

Product Name:
JENIAH UCAV

Company:
EDGE Group

Headquarters:
Abu Dhabi, UAE

Product Type
High-Speed Unmanned Combat Aerial Vehicle (UCAV)

Applications:
The Jeniah is a high-speed, low-observable unmanned combat aerial vehicle with applications in defence and designed for offensive strikes, surveillance and battlefield support in contested environments. It is intended for autonomous and semi-autonomous operations for target identification, navigation, and mission execution. Its capabilities include long-range precision strike missions, high-speed tactical raids, electronic warfare SEAD (Suppression of Enemy Air Defences) and combat air teaming with manned fighters.

Product Description:

JENIAH is a high-speed unmanned combat aerial system (UCAV) with stealth features and multi-role payload capability, developed by the UAE's EDGE Group. It's designed for delivering strategic strike capability at speeds close to the sound barrier.

- Cruising Speed: Mach 0.7 (~860 km/h)
- Max Speed: >1,000 km/h
- MTOW (Max Take-Off Weight): >4,000 kg
- Wingspan / Length: 7 m / 11 m
- Payload Capacity: 480 kg
- Design Focus: Stealth, long-range strike, multi-mission adaptability

Product Name:
BuggyQam

Company:
Quidich Innovation Labs Pvt. Ltd

Headquarters:
Mumbai, Maharashtra India

Product Type
Ground-based Stabilised Camera Platform (for Sports Broadcast)

Applications:
The BuggyQam is a specialised camera system that captures dynamic, low-angle shots for sports broadcasting. It allows for smooth, low-angle movement and offers high-quality, stable images, even at maximum zoom.

Product Description:

BuggyQam is a compact, remote-operated ground vehicle equipped with a -5axis-stabilised camera system. It is designed to deliver ultra-smooth, low-angle, high-speed tracking shots across sports fields and production environments. It ensures zero jitter even at high zoom and operates seamlessly across various terrains.

- 5-axis camera stabilisation system
- Variable speed control with dual-operator precision
- COFDM wireless HD video downlink for reliable transmission
- Vibration dampening and multi-layer suspension
- Payload capacity: 15 kg
- Max speed: 5 m/s
- Designed for smooth low-angle motion shots

Product Name:
DJI Avata 2

Company:
SZ DJI Technology Co., Ltd.

Headquarters:
Shenzhen, China

Product Type
First-Person View (FPV) Drone for Content Creation and Training

Applications:
The DJI Avata 2 is used for recreational first-person view (FPV) flying and racing activities. It can also be used by vloggers for content creation and social Media videography. Additional applications include pilot training by way of a Virtual Flight app to conduct simulations.

Product Description:
DJI Avata 2 is a high-performance FPV drone designed to offer an immersive flying experience with intuitive controls. It integrates advanced stabilisation, a super-wide-angle camera, and smart acrobatic flight features, making it ideal for cinematic content, creative videography, and FPV drone training.

- 4K/60fps HDR video with 155° ultra-wide FOV
- 1/1.3-inch CMOS sensor with 12MP effective pixels
- Easy ACRO maneuvers: One-push flip, roll, and 180° drift
- Built-in propeller guards for indoor and tight-
- space flights
- Turtle Mode for auto-recovery if flipped
- Advanced positioning sensors (binocular fisheye for downward/backward stability)
- Up to 23-minute flight time
- DJI O4 video transmission with 13km range and low 24ms latency
- 46GB internal storage, Wi-Fi QuickTransfer
- DJI RC Motion 3 & Goggles 3 compatibility for immersive piloting

ELISTAIR

Product Name:
Khronos Tethered DroneBox

Company:
Elistair

Headquarters:
Dardilly, France

Product Type
Consumer and Commercial Drones

Applications:
The Khronos is a tethered drone box primarily used for intelligence, surveillance, and reconnaissance (ISR) missions, particularly in challenging environments. It provides continuous aerial surveillance, offering extended flight time, and secure data transmission. Its primary applications include the defence sector, public safety, and private security.

Product Description:
Khronos is a fully automated system which includes a tethered drone, landing station, and ground control software. The entire solution is designed to be integrated onto a fixed platform or vehicle to safely enhance mobile operations while increasing flexibility.

- Airborne in less than 2 minutes
- 24 hrs ISR operations
- GNSS denied RF silent
- 60m/197ft hovering height
- Built-in open API
- Shock resistant and built for rugged use

Product Name:
HIVE

Company:
Hoverfly Technologies

Headquarters:
Sanford, FL, US

Product Type
Tethered Unmanned Aircraft System (UAS)

Applications:
It is used in the defence and security sectors. The HIVE suite is designed for specific missions like intelligence, surveillance, reconnaissance, network communication, rapid deployment, and force protection.

Product Description:

HIVE stands for Hoverfly Intelligence, Surveillance, and Reconnaissance (ISR) systems, Variable Height Antenna (VHA) systems, and Electronic Warfare (EW). HIVE integrates Hoverfly's tethered UAS platform with industry-leading technologies to deliver four specialised packages: RECON for ISR missions, RELAY for extended communication using VHA, SPEARHEAD for mobile, real-time targeting, and SHIELD for perimeter and event security. Each solution includes customisable tiered loadouts and incorporates top-tier components like AI vision systems, mesh radios, and high-performance gimbals. With DoD-wide Authority to Operate (ATO), HIVE offers scalable, turnkey capabilities that support multi-domain operations with speed, precision, and resilience.

- Core Platform: Hoverfly Tethered UAS – includes Sentry and Spectre (Blue List Certified)
- Loadout Options: Three pre-configured tiers for simplified procurement
- Integrated Tech: Partnered components like Athena AI, Silvus/Trellisware mesh radios, Trillium gimbals
- Mission-Focused Design: Tailored solutions for ISR, comms, targeting, and security
- DoD Ready: ATO granted for acquisition by all U.S. DoD entities

VANTAGE ROBOTICS

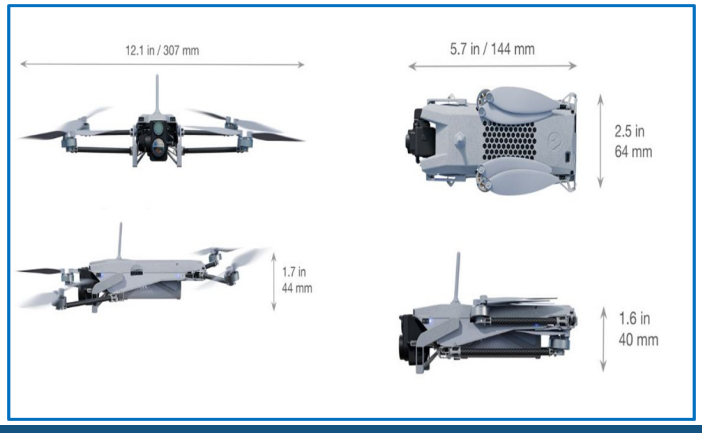
Product Name:
Nano UAV

Company:
Vantage Robotics

Headquarters:
San Leandro, CA, US

Product Type
Unmanned Aerial Vehicle

Applications:
It is used to meet the increasing demands of national security, public safety, and critical infrastructure inspection. Equipped with gimbal-stabilised visible and thermal cameras featuring an impressive 24x zoom, the drone can deliver clear images in both indoor and outdoor environments, making it ideal for a wide range of surveillance applications. The drone incorporates innovations such as the proprietary poplar radio, which allows an operational range of up to 2 km, and a foldable airframe made of titanium and carbon fiber, providing robustness for field missions.



Product Description:

Trace provides field operators with a trusted and affordable American-made nano UAV. Trace delivers exceptional sensor capabilities and unmatched stealth and flight endurance. This pocket-sized drone meets the complex demands of aerial surveillance, overwatch and data dissemination.

- Capable: Stabilised 48MP EO & 320P IR
- 35-minute flight time 2.5 km LOS / 900m NLOS range
- Safe: <150 g / 5.3 oz AUW
- Indoor/Outdoor: 360° obstacle avoidance GPS denied visual position control with scene illumination. Withstands 25 knot winds
- Covert: Unseen & inaudible at 30 ft Remote ID optional
- Trusted & Secure: AES-256 encryption Made in the USA NDAA compliant

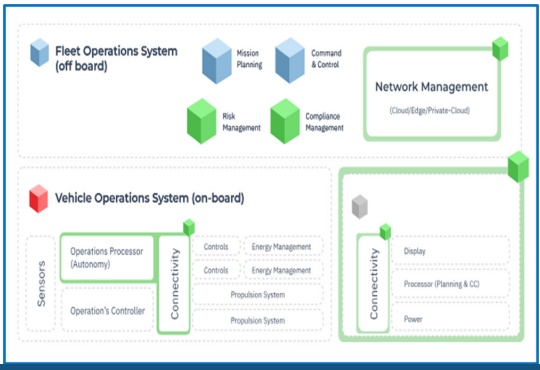
Product Name:
OS3 Cybersecurity Software

Company:
Mobilicom Inc

Headquarters:
Melbourne, VIC, Australia

Product Type
Cybersecurity Software

Applications:
The OS3 provides groundbreaking levels of cybersecurity, assured operations, and streamlined compliance for commercial and defence operators of autonomous platforms, as well as original equipment manufacturers (OEMs). Key features include secure software updates, storage encryption, built-in firewall and intrusion detection, proactive incident awareness, robust mission assurance, and streamlined compliance. These features protect unmanned systems from unauthorised access, tampering, modifications and malware. The platform also provides real-time monitoring for early detection and mitigation of threats, ensuring uninterrupted operations and staying ahead of evolving standards.



Product Description:

Mobilicom's innovative OS3 platform is the industry's first uncrewed fleet operation-specific end-to-end risk management solution.

The OS3 platform helps users to proactively manage risks and vulnerabilities detected in uncrewed fleets and missions, comply with regulations and standards, and assure mission continuity by enhancing safety, security, and compliance defences.

OS3 Helps Prevent:

- Drone hijacking
- Unauthorised access
- Geofence Violations
- Swarm Disruptions
- Sensor Malfunctions
- Spoofing
- Network Breaches
- Onboard Software Failures

BUVI SCANDINAVIA

Product Name:
SS512 Low-Light Subsea Camera System

Company:
BUVI Scandinavia

Headquarters:
Nävekvarn, Sweden

Product Type
Autonomous Underwater Vehicles (AUVs) and Autonomous Unmanned Surface Vehicle (AUSVs)

Applications:
The SS512 system has been tested extensively in marine and tactical environments including as a critical component of the AUSV's payload. The AUSV relies on the SS512 for the following applications:

- Intelligence, Surveillance, Reconnaissance, and Targeting (ISR&T): Capturing detailed imagery of vessels, personnel, subsurface environments, and coastal areas under challenging lighting conditions, providing actionable intelligence in real-time.
- Mine Countermeasures (MCM): Supporting the identification and clearance of underwater explosive hazards, ensuring safe navigation and operational readiness in contested waters.
- Anti-Submarine Warfare (ASW): Enhancing underwater situational awareness by aiding in the detection, identification, and tracking of potential submarine threats, leveraging the camera's ability to perform in low-visibility environments.
- Subsurface Seabed Warfare (SSW): Conducting detailed imaging of seabed environments for reconnaissance and strategic operations, including detection of adversary equipment and infrastructure.
- Military Deception (MILDEC): Contributing to operational deception strategies by providing visual data to simulate the presence of additional assets or support decoy tactics.

Product Description:
The SS512 is engineered to operate effectively in extremely low-light environments, with a minimum subject illumination of 0.0005 lux. This capability makes it ideal for critical sub-sea and nighttime operations, such as surveillance and reconnaissance, where visibility is minimal.

- Ultra-Low Light Sensitivity: Operates in lighting conditions as low as 0.0005 lux, ideal for deep-sea and night-time surveillance
- High-Resolution Video: Captures video in up to 1920 x 1080 (Full HD)
- Day/Night Operation: Optimised for both
- daylight and extremely low-light environments
- Image Control Options: Single-shot autofocus, Manual and automatic iris control and Digital zoom for enhanced image detail
- Pressure Resistance: Withstands up to 6,900 psi, making it suitable for deep-sea deployment
- Extreme Temperature Operation: Functions between -20°C to 50°C (-4°F to 122°F)
- Rugged Build: Resistant to vibrations, corrosion, and condensation
- Extended Depth Option: Upgradable for operations down to 6,000 metres depth

Product Name:
L42 USV

Company:
OceanAlpha Group Ltd

Headquarters:
Hong Kong

Product Type
Uncrewed Surface Vessel (USV)

Applications:
The L42 USV is designed for offshore survey missions, featuring a hybrid propulsion system, modular payload integration, and high endurance. It is equipped with onboard payload lifters and a towing system, allowing operators to rapidly reconfigure the vessel for hydrographic mapping, subsea inspections, or environmental research missions, without the need for complex refits.

Product Description:

The L42 uncrewed surface vessel (USV) offers over 1,500 km of operational range and eight days of endurance at 4 knots, thereby reducing the need for frequent retrievals during large-scale surveys.

Stability & Reliability:
- Equipped with four redundant electric motors for enhanced stability
- Operates reliably in coastal to open ocean environments

Adaptable Payload Integration:
- Supports standard survey instruments: multibeam echosounder, side-scan sonar, magnetometer, sub-bottom profiler, USBL systems
- Onboard wet-end lifters and towing system allow fast reconfiguration for different missions

Operational Flexibility:
- Suited for hydrographic mapping, pipeline inspections, and scientific research

User-Driven Design:
- Focus on field-proven reliability and reduced operational complexity
- Helps reduce costs while maintaining high data quality

Product Name:
Canister-Launched Loitering Munition

Company:
Optiemus Unmanned Systems

Headquarters:
New Delhi, Delhi India

Product Type
Tactical Strike UAV

Applications:
It is specifically designed to meet the evolving needs of defence, surveillance, and reconnaissance operations. Featuring AI-driven tracking and stabilised EO/IR payloads, the drone can be launched from land, sea, or air platforms and supports beyond-line-of-sight targeting.

Product Description:

Marking a key advancement in tactical combat drones, this canister-launched loitering munition UAV offers 30 minutes of endurance, a 2.5 kg warhead payload, and a control range of 30 km. It features AI-driven tracking, a stabilised EO/IR gimbal, and speeds up to 150 km/h—supporting beyond-line-of-sight (BLOS) targeting. The drone can be launched from unmanned ground vehicles, naval platforms, or fixed installations, offering flexibility in modern warfare.

Product Name:
Ally

Company:
BlueHalo

Headquarters:
Arlington, VA, US

Product Type
Compact Modular Underwater ROV

Applications:
It is used for marine research. Ally can be customised with a round or square float configuration, enabling additional payload and topside or battery-powered operations, or a 30.48 cm round configuration for pipe and tunnel inspections.

Product Description:

The Ally is a compact, high-lift underwater ROV in the Mission Specialist Series designed for operations in confined or challenging subsea environments. With configurable float blocks, optional manipulators, and advanced imaging capabilities, it's ideal for precise tasks in tight quarters. Ally is the newest member of VideoRay's Mission Specialist family, joining the ranks of the sought-after Defender and the Pro 5, which were selected by the US Navy to support their Maritime Expeditionary Standoff Response (MESR) program.

- Dual float block options (rounded for shore power; squared for battery use)
- Optional Reach Alpha manipulator with spring-loaded mount
- Ultra 4K smart camera with autonomous image processing
- 4 high-performance thrusters for multi-directional control
- LED tilt mounts for custom lighting
- Optional sonar upgrades (Oculus M750d, M1200d, M3000d)
- Optional DVL (Waterlinked A50) for station keeping

airvolute

Product Name:
Ally

Company:
Airvolute

Headquarters:
Trnava, Slovakia

Product Type
Quadcopter UAS

Applications:
The Stribog's 40 TOPS of AI computing power and a software-defined open architecture enables developers to customise and future-proof the platform to suit their own unique mission requirements. Its visual inertial odometry (VIO) and optical flow capabilities allow the drone to continue navigating even in GNSS-denied environments and to resist jamming and spoofing attacks.

Product Description:

Stribog is an extremely powerful quadcopter with up to 40 tera operations per second (TOPS) of AI computing power and open architecture, allowing developers to build their own missions.

- GNSS-denied / absolute radio silence mode
- Object detection and tracking
- Autonomous safe landing / Home function
- Autonomous obstacle avoidance
- ATAK / CivTAK compatible
- Communication range up to 40 km
- Modular payload
- Mesh radio
- Lidar 0.2 - 50m range
- Fits into tactical backpack

airvolute

Product Name:
Stribog UAS

Company:
Airvolute

Headquarters:
Trnava, Slovakia

Product Type
FPV Quadcopter UAS platform

Applications:
It offers a suite of AI-driven capabilities including head tracking, target acquisition and terminal guidance, ensuring maximum success with minimal training requirements. The Patron FPV can be easily updated with new AI and deep neural network algorithms, enabling it to be future-proofed against evolving threats on the battlefield.

Product Description:

Patron FPV is a versatile and highly maneuverable quadcopter drone platform that is ideal for training on autonomous and remotely piloted missions, as well as for precision strike operations. Powered by the NVIDIA Jetson Orin Nano computing module, it offers a suite of AI-driven capabilities that enhance mission success rates with minimal training requirements.

- Head Tracking: Enables intuitive target selection by the operator
- Real-Time Object Detection: Powered by deep neural networks for dynamic target recognition
- Autonomous Terminal Guidance: Algorithms allow precision strikes from 300–400 meters away
- Open Architecture: Easily updated with new AI/DNN algorithms; future-proof design
- Security Protocols: All onboard algorithms are destroyed if the unit is captured
- High-Resolution Camera: Supports up to 10x digital zoom and 4K video at 28fps in real-time
- Communication Options:
  Standard: Analog radio
  Optional Upgrades: Digital datalinks via DoodleLabs or Silvus Technologies

Product Name:
CHCNAV X500

Company:
CHC Navigation (CHCNAV)

Headquarters:
Shanghai, China

Product Type
Professional Multirotor Drone

Applications:
The X500 features robust redundancy with dual GNSS, triple IMU backups, dual-redundant flight control, and safe return strategies. Its millimeter-wave radar ensures precise obstacle detection and avoidance, including trees, buildings, and towers. The X500 is ideal for applications such as surveying, urban surveillance, emergency scouting, disaster relief, and inspection missions.

Product Description:

The CHCNAV X500 rotor UAV is a professional drone engineered for exceptional payload capacity and endurance. Equipped with advanced flight controls and high-precision positioning, it delivers superior maneuverability, stability, and flight performance. Its built-in visual SLAM and obstacle detection radar ensure intelligent, safe operations. Compatible with CHCNAV sensors and third-party payloads, the V-SLAM visual positioning system enables landings on moving vehicles and vessels.

- Reliable Design: Adjusts altitude to avoid crashes. Can land even when a propeller malfunctions.
- Hot-Swap Batteries: Seamless takeoffs and continuous power for multiple flights
- Intelligent Battery Station: Functions as a power bank for greater efficiency in the field
- Lightweight and Portable: Single-person operation and easy transport

Cleo

Product Name:
Dronut® X1 Pro

Company:
Cleo

Headquarters:
Boston, MA, US

Product Type
The First UAV Designed Specifically for GPS-Denied Environments

Applications:
It can be used in various applications, including inspections, law enforcement, security, defence, and insurance. It can be used for confined spaces, high-risk scenarios, and in GPS-denied environments for intelligence, surveillance, and reconnaissance (ISR) purposes. The drone also serves as a flying surveillance camera for facility security, with insurance company FM Global already using it in the field.

Product Description:

The Dronut® is the world's first bi-rotor ducted drone designed and engineered for safe operation indoors, in confined spaces and GPS denied environments. With high maneuverability, sophisticated sensors, and advanced algorithms, the Dronut® can live stream high-definition video, collect LiDAR data, and inform operators of sensitive information that may help increase efficiency, reduce costs and improve safety for unmanned and hazardous environments.

- Compact & Safe Design: Ducted-fan, bi-rotor design with shrouded propellers for safe indoor and close-proximity operation in confined or hazardous spaces
- High-Resolution Sensors: Equipped with a 4K camera, 3D LiDAR for obstacle detection, and a global shutter camera for accurate indoor navigation
- GPS-Denied Navigation: Optimised for environments where GPS signals are unavailable or unreliable, using SLAM (Simultaneous Localisation and Mapping) technology
- Lightweight & Portable: Weighs only 420 grams with a diameter of 177 mm, making it easy to carry and deploy
- Secure Communication & Storage: Uses AES 256-bit encryption over a 2.4 GHz link; comes with 32GB onboard storage, expandable via microSD up to 1TB
- Efficient Operation: Offers up to 17 minutes of flight time with a quick recharge time of about 70 minutes

Product Name:
APUS25 Long Endurance Quadcopter

Company:
Aerospace Industries Ltd

Headquarters:
Lod, Israel

Product Type
Unmanned Aerial Systems

Applications:
It is designed for tactical operations in challenging environments, offering VTOL capability for deployment in diverse terrains, including maritime operations. Its innovative design addresses traditional electric drone limitations, making it valuable for modern military operations. As defence strategies evolve, the APUS 25 positions IAI at the forefront of UAV innovation, meeting the growing demand for adaptable and efficient aerial systems.

Product Description:

IAI's APUS 25 is a newly patented quadcopter designed specifically for tactical missions. Engineered from the ground up, it offers a high payload-to-endurance ratio. As a quadcopter platform, the APUS 25 can take off and land vertically from any flat surface, providing tactical users—on both land and sea—with the advantage of a versatile aerial system. It supports extended missions over long ranges without the need for an airstrip.

- Highly efficient multirotor platform
- Liquid cooled heavy fuel engine
- Fixed RPM, variable pitch flight control
- Multi-fuel (Jet-A1, JP5, JP8, and Gasoline)
- Vertical TakeOff and Landing (VTOL)
- Long hovering endurance
- Up to 8 hours of mission endurance
- Up to 10 kilograms useful payload
- 300 Watts electric power available for payload

XAG

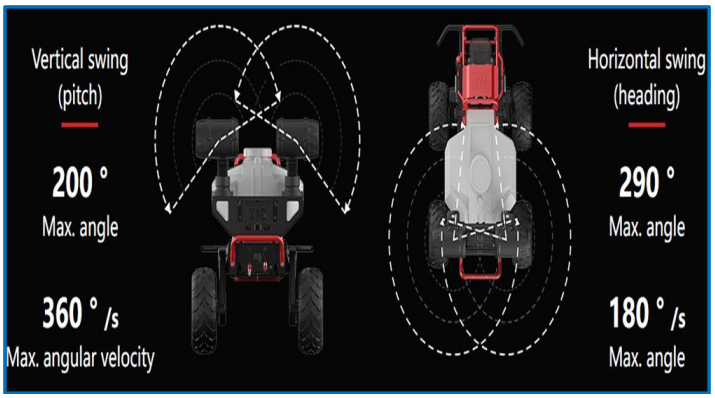
Product Name:
XAG R150 JetSprayer™ System

Company:
XAG Co., Ltd

Headquarters:
Guangzhou, China

Product Type
XAG R150 Unmanned Ground Vehicle Spray Version

Applications:
The XAG R150 is designed to be used in precision agriculture for spraying pesticides and other crop treatments in orchards and fields. It can also be used to monitor crops and identify potential issues as well as to transport materials around the farm.



Product Description:

The XAG R150 JetSprayer™ System is an advanced unmanned ground vehicle designed for precision agriculture, enabling efficient and autonomous spraying operations across diverse terrains. It combines smart navigation, real-time connectivity, and adaptive spraying technology to optimize large-scale farming tasks.

- Precision Spraying: The UGV enables precise spraying in every direction, targeting specific areas and minimising overuse of pesticides
- Autonomous Operation: The XAG R150 UGV, equipped with the JetSprayer™ system, can operate autonomously, including smart route planning and obstacle avoidance
- High Efficiency: It can cover up to 5 hectares of land per hour, making it suitable for large-scale spraying operations
- RTK Navigation: The system utilises RTK (Real-Time Kinematic) technology for centimetre-level precision in navigation and positioning
- Smart Liquid Tank: The 100-litre smart liquid tank allows for efficient storage and delivery of the spraying solution
- Adjustable Atomisation: The system allows for adjustable atomisation levels (60-200 micrometers), ensuring optimal droplet size for different crops and applications
- High-Speed Networking: The R150 features high-speed 4G + wireless networking for real-time transmission and data analysis
- Off-Road Capability: The R150 is designed for off-road performance, with a high-performance brushless motor and a robust design

HEVEN

Product Name:
Raider

Company:
HevenDrones

Headquarters:
Miami, FL, US

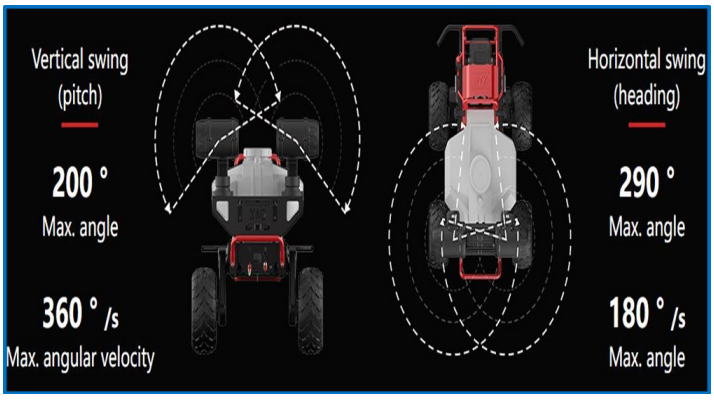
Product Type
Multi-Roll Modular Hydrogen UAV

Applications:
It is designed to address a number of different applications, including tactical intelligence, surveillance and reconnaissance; acting as a logistics platform in contested environments. The Raider is built for stealth, with ultra-low thermal and acoustic signatures, making it suitable for sensitive missions.

Product Description:

The Raider amplifies battlefield effectiveness by extending endurance, reducing logistical burdens, and adapting instantly to mission needs. Hydrogen power enables longer operations, modular payloads ensure rapid role shifts, and AI-driven autonomy enhances real-time decision-making.

- Hydrogen-Powered Endurance: Fly for over 10h on a single hydrogen tank
- Modular Payload System: Carry up to 50 lbs (23 kg) with rapid, tool-free swaps
- Twin-Fuselage Stability: Central payload placement ensures balance and efficiency
- VTOL Precision: Vertical takeoff and landing enable deployment anywhere
- Rapid Deployment: Ready to fly in under 15 minutes



Harmattan AI

Product Name:
Gobi

Company:
Harmattan-AI

Headquarters:
Paris, France

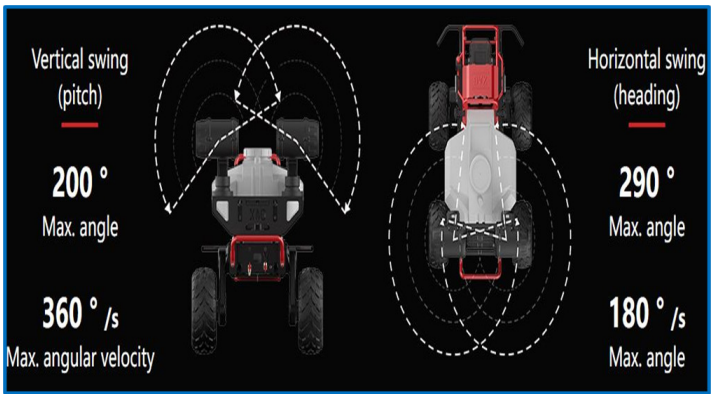
Product Type
Unmanned Aerial Vehicles (UAVs)

Applications:
Gobi is designed to function in challenging and complex environments, both during the day and at night, ensuring continuous defence and protection against enemy operations. It is effective against various small UAV systems, targeting the most critical components of hostile drones such as the propulsion systems.

Product Description:

Gobi is a high-speed UAV designed for rapid interception of hostile UAVS. It allows for critical system engagement in collateral damage-constrained environments.

- Powerful Propulsion System: Enables rapid acceleration for quick interception
- High-Speed Capability: Achieves speeds exceeding 65 m/s (145 mph) for fast response
- Effective Threat Neutralisation: Designed to intercept and neutralise even the fastest UAVs
- Extended Operational Range: Effective up to a 5 km (3 mi) radius from the launch point
- Critical Area Protection: Ensures defence of sensitive targets and critical infrastructure before threats can breach them



T-DRONES®

Product Name:
VA23 Fixed Wing VTOL Drone

Company:
T-DRONES

Headquarters:
Nanchang, China

Product Type
Unmanned Aerial Vehicles (UAVs)

Applications:
The VA23 VTOL drone is an ideal choice for industrial applications such as aerial surveys, inspections, and remote sensing. Its ease of use and advanced performance make it suitable for both beginner and experienced operators. Designed for industries that require reliable and powerful aerial systems for complex missions, it delivers exceptional performance and stability without compromise.

Product Description:

The VA23 is a long-endurance eVTOL fixed wing UAV with an unloaded flight time of more than 240 minutes and a 1.5kg load over 180 minutes flight time. It's equipped with a power management module, locking propeller function, as well as lightweight and durable carbon fibre material to give you a longer flight time.

- Aerial Surveying and Mapping: With its extended flight time and stable performance, the VA23 is well-suited for large-scale land surveys, topographic mapping, and creating 3D models, providing accurate data for construction and urban planning
- Environmental Monitoring: Equipped with different payload options, it can be used for environmental research and monitoring, such as tracking deforestation, assessing water quality, and monitoring air pollution levels
- Public Safety and Surveillance: The VA23's endurance and quick setup make it effective for long-duration surveillance missions, border patrol, and search and rescue operations, providing critical real-time data to support decision-making
- ·Agricultural Monitoring: Using multispectral or thermal sensors, the VA23 can assist in precision agriculture, monitoring crop health, soil conditions, and helping optimise irrigation and resource management

Product Name:
Sensus D12

Company:
ISS Aerospace

Headquarters:
Chieveley, Berkshire UK

Product Type
Unmanned Aerial Systems

Applications:
Engineered for all-weather professional use, the Sensus D12's robust build, and advanced features make it the ideal choice for cinematic photography and videography. It's perfect for feature films, documentaries, commercials, adventure, and drama productions.

Product Description:

The Sensus D12 is a high-performance photography drone designed specifically for the demands of the cinema and film production industries. The world's fastest heavy-lift cinematic drone. Engineered for all-weather professional use, the D12 offers incredible versatility, carrying heavy payloads of up to 20kg.

- Gimbal Ready: Supports Movi Pro, RONIN 2, and other heavy-lift cinema gimbals
- FPV Camera: Equipped with a capable first-person view camera
- Payload Capacity: Handles up to 20.0 kg, ideal for various cinematic equipment
- Maximum Range: Covers up to 40.0 km for long-distance operations
- Top Speed: Reaches speeds of 150.0 kph, suitable for fast-paced tasks
- Weather Rating: Rated IP64, ensuring durability in challenging weather conditions

WAVE AEROSPACE

Product Name:
Multi-Mission, Utility, Logistics, & Expedition (“M.U.L.E.”)

Company:
WaveAerospace

Headquarters:
Stratford, CT, US

Product Type
Heavy-lift VTOL Drone

Applications:
It is designed for various applications, particularly in challenging environments, and can be used for cargo delivery, logistics support, and reconnaissance missions. M.U.L.E. is also designed to withstand the rigours of highly challenging environments such as mountainous regions and ocean conditions of up to Force 10. It is optimised for cargo delivery and battlefield logistics, and can also be fitted with EO/IR payloads for long-range and long-duration ISR and RIF missions.

Product Description:

This versatile WaveAerospace Mule can be seamlessly configured to excel in diverse environments, including offshore and at a sea level, as well as in mountainous terrain. Its adaptable design allows for optimal performance and reliability, ensuring efficient cargo transport across a spectrum of challenging settings. Whether navigating over open water or maneuvering through rugged mountain landscapes, this aircraft stands as a robust and versatile solution for transporting cargo in various demanding conditions.

- True hybrid (JP-8/electric) power system requires no group maintenance or charging equipment
- Reliable operations in high seas with accelerometer-compensated onboard phased radar altimetry and inertial guidance
- Mobile power generation provides up to 10 kW of power to external devices when not in flight
- Fully autonomous flight, landing, and payload delivery
- Reliable flight in up to Force 10 ocean conditions
- Multi constellation GPS, protected again spoofing
- Onboard inertial navigation for GPS denied airspace
- Capable of take-off, landing and quiet approach using only battery power
- MULE's unique configuration allows it to be used as a portable 10kW on demand generator while on the ground
- Reliable flight in up to Force 10 ocean conditions
- Operational Radius: 100 miles with 40kg payload

NEARTHLAB

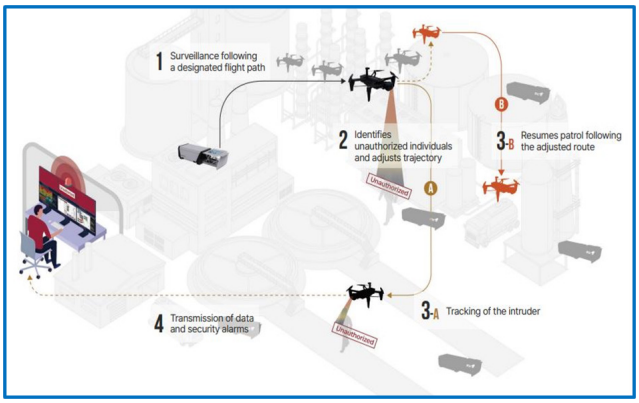
Product Name:
AiDEN

Company:
Nearthlab

Headquarters:
Seoul, South Korea

Product Type
Public Safety Tailored Autonomous Drone

Applications:
It is a compact, lightweight drone with advanced computer vision for surveillance, security, and public safety. It can perform tasks like infrastructure inspection and first responder missions, and operates in swarms coordinated by Nearthlab's drone station.



Product Description:

AiDEN is an autonomous surveillance and security drone with a lightweight design under 2 kg and a compact form, ensuring high portability and rapid on- site deployment. Powered by edge computing and AI autonomous flight control, AiDEN operates reliably in complex environments. Its swarm drone technology enables simultaneous multi-drone operations, enhancing mission efficiency. Integration with AiDEN STATION offers scalable operations and expanded mission capabilities, making it ideal for surveillance, security, and first responder missions.

- Patented Computer Vision Technology: Enables ultra-precise data capture
- Advanced Sensors: Designed for detailed, high-accuracy monitoring
- Autonomous & Remote Flight: Capable of operating individually or in fleets without direct manual control
- 64 MP EO/IR Cameras: High-resolution electro-optical and infrared imaging
- Laser Range Finder (LRF): For accurate distance measurement
- Stereo Vision: Enhances depth perception and 3D mapping
- All-Day/Night Operation: Capable of performing in low-light or no-light environments
- Multi-Use Scenarios: Ideal for emergency response, security operations, and infrastructure inspection

Product Name:
AlphaAir 15 (AA15)

Company:
CHC Navigation (CHCNAV)

Headquarters:
Shanghai, China

Product Type
Airborne LiDAR

Applications:
It is used in several industries, including offshore wind, oil and gas, hydrography research, and maritime security. The AA15 is a precision laser scanner that provides reliable data for complex projects like corridor mapping, highways, railroads, and pipeline inspections. Its advanced multi-target capability allows for up to 16 returns per laser pulse, enabling comprehensive data collection in forested areas and improving terrain model accuracy. AA15 is ideal for high-density point clouds in applications like power line inspections, road surveys, and urban mapping.

Product Description:

AlphaAir 15 (AA15), a compact and lightweight airborne LiDAR solution designed for high-density 3D data capture across diverse mapping applications. Combining long-range scanning, high accuracy, and a rapid data acquisition rate, the AA15 represents a new era of efficient complex terrain and urban mapping.

- Tilted-prism technology with multi-target detection (up to 16 returns per pulse)
- 7 multi-period zones for improved object separation
- Vegetation penetration maximises ground point acquisition
- 2 million pulses/second and 600 lines/second for dense point clouds
- Maximum range: 1800 meters; Operating altitude: 700 meters
- Ideal for corridor mapping (powerlines, pipelines, roads, railways) and urban mapping
- Weight: 2.5 kg – lightest in its class
- AlphaPort interface for quick power and camera connection
- Integrates easily with UAS, UAVs, RPAS, small aircraft, helicopters
- Supports CHCNAV 45 MP & 61 MP full-frame cameras, and 130 MP half-frame oblique camera
- Compatible with third-party cameras for high-resolution imagery
- SmartGo app for automated data capture & real-time monitoring
- CoPre and CoProcess software for streamlined post-processing and modeling

ANADOLU ROBOTIK

Product Name:
Arida-M

Company:
Anadolu Robotik

Headquarters:
Gölcük, Türkiye

Product Type
Unmanned Surface Vehicle Boat

Applications:
The Arida-M assist in search and rescue missions, cargo transport, scientific research, mapping, and surveillance. Its main purpose is to detect and intercept sea drones that pose a threat to ships and critical infrastructure at sea.

Product Description:

Arida-M is an autonomous mission and patrol boat designed for surface support activities. It uses Anadolu's "Muhafız" technology, which combines sensors and communication solutions to detect potential hostile kamikaze systems targeting allied vehicles and maritime assets.

- Length: 5 metres (16 feet)
- Width: 1.3 metres (4.2 feet)
- Payload Capacity: 30 kg (66 lbs)
- Functions: Search & rescue, cargo transport, scientific research, mapping, surveillance
- Payload Capacity: 670 kg (1,477 lbs)
- Communication & Control Range: 40 km (25 miles)
- Feature: Larger hull for enhanced capability

भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS
QUALITY, TECHNOLOGY, INNOVATION

Product Name:
BEL USV 001

Company:
Bharat Electronics Limited (BEL)

Headquarters:
Bengaluru, Karnataka, India

Product Type
Zero emission Unmanned Surface Vehicle (USV)

Applications:
The solar-powered USV is versatile and can be used for various tasks, including hydrographic survey, coastal surveillance, logistics, and offensive roles. Its 30 kg payload capacity allows it to map underwater features, gather vital data, and create nautical maps. Its high payload capacity also allows it to transport supplies and equipment over water surface.

Product Description:

This Unmanned Surface Vehicle by BEL is an eco-friendly, solar-powered platform designed primarily for hydrographic surveying and coastal surveillance. It offers flexibility for logistics operations and even kamikaze applications in strategic defence scenarios. Its remote-controlled mode and waypoint navigation enable it to monitor activities and provide security information. Built for extended, unmanned missions, it is a substitute for crewed patrol or survey boats in near-shore environments.

- Payload capacity: 30 kg
- Speed: Up to 4 knots
- Zero-emission design using solar energy harvestings
- Waypoint navigation and remote-control operation
- Can be customised for logistics and kamikaze missions
- Suitable alternative to small crewed boats

Product Name:
HAVOC 8×8 Robotic Combat Vehicle

Company:
Milrem Robotics

Headquarters:
Estonia

Product Type
Robotic Combat Vehicle

Applications:
It is designed for modern warfare, particularly supporting mechanised units as a force multiplier. It functions as a "wingman" for infantry fighting vehicles and battle tanks, enhancing their operational effectiveness and troop survivability. The vehicle also features protection levels in line with STANAG 4569 standards for kinetic energy, artillery, and mine threats.

Product Description:

The HAVOC RCV offers agility and high-speed manoeuvrability, enabling commanders to project force effectively across extended distances.

- It features a hybrid electric powertrain, allowing for extended operational range and near-silent movement for stealth
- The vehicle is lightweight and agile, with superior off-road performance and instant torque from the electric driveline
- It has versatile terrain capabilities, capable of operating in deserts, urban zones, and mountains
- Its baseline capacity is 5 tonnes, supporting mission-specific payloads or weapons. The HAVOC RCV's unified autonomy ecosystem ensures scalability and interoperability across Milrem's existing platforms.

L3HARRIS®
FAST. FORWARD.

Product Name:
Diamondback

Company:
L3Harris Technologies, Inc

Headquarters:
Melbourne, FL, US

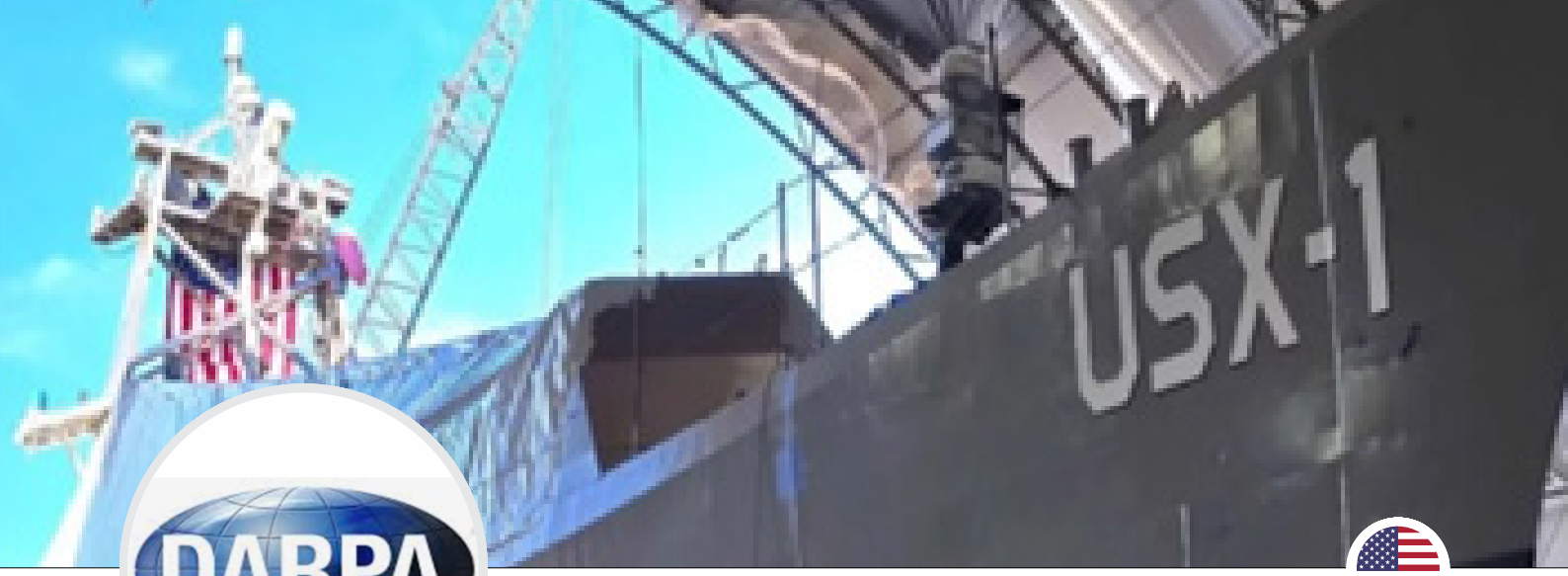
Product Type
Autonomous Reconnaissance and Security System

Applications:
It is designed for intelligence, surveillance, and reconnaissance (ISR) missions. It aims to provide a light, fast-moving, and adaptable platform for gathering information and securing areas in harsh environments.

Product Description:

Diamondback is an autonomous reconnaissance and security system designed to be quickly reconfigured to adapt to any mission and create a technological advantage against any threat.

- Innovative Design
- An advanced alternative to traditional manned vehicle-based reconnaissance systems
- Cost-Effective
- Economically comparable to existing manned systems, offering better value and scalability
- Autonomous Capability
- Fully autonomous operations powered by a robust autonomy stack
- Fleet Integration
- Complements mixed fleets of autonomous and purpose-built military-spec vehicles
- High Mobility
- Designed for agile movement across diverse terrains, enabling rapid deployment
- Modular Payload System
- Supports mission-specific modular payload suites, allowing customisable sensor and equipment configurations
- First Contact Operations
- Enables forward deployment for initial engagement or observation, reducing risk to personnel
- Force Protection
- Reduces exposure of human forces by handling high-risk reconnaissance and security tasks



Product Name:
USX1- Defiant

Company:
Defense Advanced Research Projects Agency (DARPA)

Headquarters:
Arlington County, Virginia, US

Product Type
Unmanned Surface Vessel (USV)

Applications:
USX1- Defiant is designed for military and government applications to operate autonomously for extended periods at sea, eliminating the need for onboard human presence.

Product Description:

DARPA has launched a new prototype warship for the US Navy. The -240 ,'180metric-tonne unmanned surface vessel (USV) was built at Nichols Brothers Boat Builders, Freeland, Wash., and completed construction February 2025. The vessel is designed to operate autonomously for extended periods without an onboard crew.

After successful trials, the vessel will be handed over to the Surface Development Group (SURFDEVGRU) and PMS 406 for further operational integration.

Product Name:
Alligator9-

Company:
Unmanned Systems Forces

Headquarters:
Kyiv, Ukraine

Product Type
Uncrewed Surface Vehicle (USV)

Applications:
The Alligator9- is designed for a variety of missions, including launching drone swarms to strike enemy vessels, electronic warfare, reconnaissance, mine clearing, and navigation support. It can also be used as a laser platform to disrupt or disable airborne targets.

Product Description:

On April 2025, Ukraine's Unmanned Systems Forces unveiled the Alligator9-, a next-generation uncrewed surface vehicle (USV) and anti-ship drone system. The system integrates multiple classes of USVs, each designed for specialised operational roles, marking a significant advancement in naval and drone warfare. The Alligator9- can carry various weapons depending on the assigned tasks. It includes:

- Tryzub 90 laser system for destroying various types of drones
- Can carry 6-10 kamikaze torpedoes for effective combat against small displacement surface ships
- Can also act as a carrier for 3-5 Alligator 5 EW drones for breakthrough operations
- Can perform mine clearing and provide navigational support
- Can destroy strike drones, air bombs, cruise, and ballistic missiles at up to 3000 metres, helicopters, airplanes, and reconnaissance drones at up to 5000 metres
- Can blind drones, cruise missiles, helicopters, and airplanes at up to 10,000 metres

ANDURIL

Product Name:
Copperhead-M

Company:
Anduril Industries

Headquarters:
Costa Mesa, CA, US

Product Type
Autonomous Underwater Vehicles (AUV)

Applications:
The Copperhead-M is designed for both commercial and military purposes. Its primary uses include high-speed surveys, infrastructure inspections, and search and rescue operations.

Product Description:

Copperhead-M is the first torpedo capability built to be carried by autonomous systems. With the Dive-LD and Dive-XL, Copperhead enables a comprehensive, intelligent maritime capability that allows operators to quickly respond to threats in the undersea battlespace, at a fraction of the cost of legacy options. The Copperhead series includes two models—Copperhead100- and Copperhead500-—offering different sizes, payload capacities, and ranges for commercial and defence missions.

- Enhances naval operations by enabling high-risk missions
- Provides precise and effective engagement of maritime threats
- Allows for control of ocean areas with unprecedented autonomous seapower
- Can reach speeds greater than 30 knots and can be equipped with payloads like sensors, magnetometers, sonar, or chemical detection

GENERAL ATOMICS AERONAUTICAL

Product Name:
YFQ42-A

Company:
General Atomics Aeronautical Systems Inc (GA-ASI)

Headquarters:
Poway, CA, US

Product Type
Unmanned Collaborative Combat Aircraft (CCA)

Applications:
The YFQ42-A is designed for autonomous aerial warfare and is intended to work alongside crewed fighter aircraft, enhancing air superiority. It is primarily used in the defence and aerospace industry, specifically within the context of the US Air Force.

Product Description:

General Atomics Aeronautical Systems Inc (GA-ASI) announced on 19 May 2025 that it has moved into the ground testing phase of developing the YFQ42-A production-representative test vehicle for the US Air Force's (USAF's) Collaborative Combat Aircraft (CCA) programme. The ground testing is in preparation for the YFQ42-A's planned first flight later in the summer of 2025.

YFQ42-A will be critical in securing air dominance for the Joint Force in future conflicts, leveraging autonomous capabilities and crewed-uncrewed teaming to defeat enemy threats in contested environments. It is a semi-autonomous aircraft that offers flexibility, affordability, and mission effectiveness. It integrates seamlessly with current and next-generation crewed aircraft, expanding mission capabilities and ensuring air dominance. It provides affordable fighter capacity at a lower cost and on a threat-relevant timeline.

- Features dorsal air intake, elongated fuselage, V-tails, and internal bays for AIM-120 AMRAAM missiles
- Interoperability with F-22 and F-35 fighters
- Platform-sharing approach reduces costs and accelerates production
- Scalable fighter capacity provides affordable mass on a threat-relevant timeline

TESSERACT
ventures

Product Name:
Ag Drone

Company:
Tesseract Ventures

Headquarters:
Overland Park, KS, US

Product Type
Agricultural Drone

Applications:
The Tesseract Ag Drone simplifies precision agriculture and allows farmers to identify pests, monitor weed growth, assess crop and soil health, track weather impacts, and observe crop development. The drone provides real-time data and smart insights, greatly improving efficiency, crop yield, and sustainability.

Product Description:

Tesseract Ventures has introduced a dual-use application of its advanced military technology and robotics platform to automate agriculture operations in the US. The Tesseract Ag Drone enables farmers to monitor crops and collect data with precision.

Equipped with advanced computer vision and optics, it provides real-time, detailed insights into field conditions. The drone's centralized data management system helps streamline decision-making and fosters collaboration on the farm. When paired with Tesseract Synthesis Software, it converts raw data into actionable intelligence through an intuitive interface, helping farmers make smarter decisions with ease.

- Features dorsal air intake, elongated fuselage, V-tails, and internal bays for AIM-120 AMRAAM missiles
- Interoperability with F-22 and F-35 fighters
- Platform-sharing approach reduces costs and accelerates production
- Scalable fighter capacity provides affordable mass on a threat-relevant timeline

SWARMER

Product Name:
Trident OS, MINAS, STYX

Company:
SWARMER

Headquarters:
Wilmington, DE, US

Product Type
AI-based software for swarm drone coordination

Applications:
Swarmer's software solutions, which facilitate coordinated, large-scale drone operations, are used in industries like logistics, industrial inspections, agriculture, and emergency response. They also play a role in defense applications, including ground combat, military mobility, and infrastructure protection.

Product Description:

Swarmer develops AI-driven autonomy operating system (OS) for coordinated drones, enabling one operator to manage entire swarms by setting goals and approvals. The startup offers a range of solutions, including:

- Trident OS: Secures data, status updates, and video streaming from UAVs, ensuring reliable mission performance across swarms
- MINAS: Uses AI to seamlessly integrate multiple UAVs per operator, enhancing efficiency and success in challenging environments
- STYX: An advanced Command and Control system for managing various UAV units with collaborative autonomy, designed for the next generation of operations

Swarmer's core products, the STYX multi-level Swarm Management System and MINAS multi-drone collaborative autonomy platform, epitomise a new generation of battlefield technology. By enabling instantaneous automated reaction and adaptation for coordinated groups of drones, Swarmer aims to overcome human limitations in the field, achieving better efficiency and operational impact.

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INTERESTED IN BEING A PART OF UMEX 2026?

20 – 22 January , ADNEC Centre Abu Dhabi

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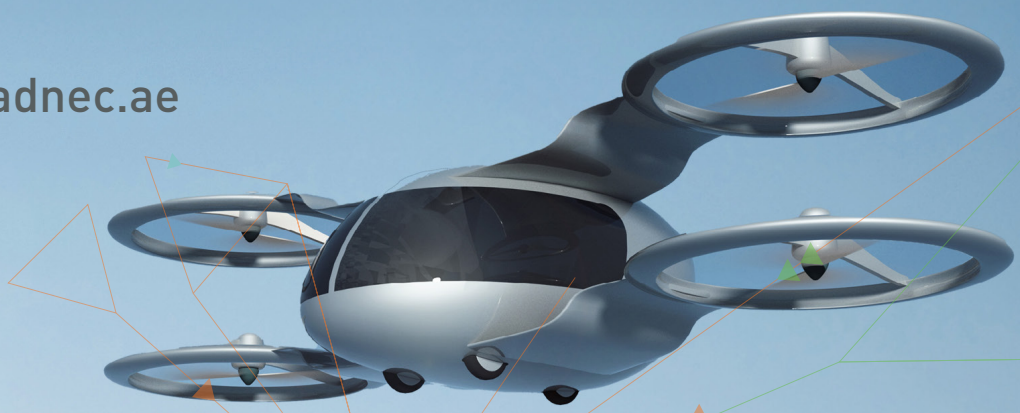

Thank you