

DEFENCE AND SECURITY

*Unmanned*  
**SYSTEMS**  
*& MTO*

# The CAPABILITIES



## UXVS COMMAND AND CONTROL SYSTEMS

Command-and-control solutions that supervise unmanned fleets across air, land and maritime domains. Includes mission planning, tasking, telemetry, health monitoring and multi-vehicle coordination. Systems support secure links, operator workflows and interoperability with C2 networks. Designed for scalable operations, resilience and safe autonomy.



## LAND ROBOTS

Unmanned ground systems (UGSs) for reconnaissance, EOD, logistics and support missions in hazardous environments. Includes tracked/wheeled robots, manipulators, mission kits and remote operation stations. The focus is on mobility, payload integration and robust communications. Built for reliability, maintainability and rapid field deployment.



## FIXED WING UAVS

Fixed-wing UAVs optimised for range, endurance and wide-area surveillance. Includes airframes, launch/recovery solutions and payload integration. Systems support ISR missions, mapping and persistent monitoring with efficient flight profiles. Designed for operational robustness and rapid mission turnaround.



## MULTI ROTOR UAVS

Multi-rotor platforms designed for vertical take-off, precision hovering and close-range observation. Includes compact systems for rapid deployment, payload flexibility and operations in confined areas. Solutions support inspection, ISR and tactical overwatch with intuitive control. The focus is on stability, safety and rapid redeployment.



## HYBRID UAVS

Hybrid designs combining VTOL flexibility with fixed-wing efficiency for longer missions without runways. Includes tilt/transition mechanisms, control laws and integrated propulsion architectures. Systems enable deployment from restricted sites while delivering extended range and endurance. Built for mission versatility and reliable transition phases.



## SOFTWARE SOLUTIONS FOR UXVS AND ROBOTS

Software that enables planning, autonomy, perception, data processing and fleet management. Includes navigation, obstacle avoidance, AI-assisted analytics, cybersecurity and ground-control applications. Solutions support integration with payloads, networks and mission systems. Designed for modularity, interoperability and continuous upgradeability.



## PAYLOADS AND SENSORS FOR UXVS

Mission payloads, sensors and onboard mission modules for UxVs, supporting observation, detection, targeting, localisation and specialised mission functions. Includes EO/IR, RF, CBRN and acoustic payloads, navigation sensors, gimbals, onboard processing, embedded power solutions and fuze-related modules for drone-borne systems, designed for low SWaP and rapid integration.



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### LOITERING MUNITIONS









Loitering munition systems combining surveillance and strike capabilities in a single, deployable solution. Includes the air vehicle, guidance, warhead integration and mission planning/launch equipment. Systems provide precision engagement with adaptable loiter time and operator control. Designed for effectiveness, safety and integration into C2 chains.

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**MEMBERSHIP**  
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# AEROMAPPER

*Aeromapper is a French company of Thales group, dedicated to development and production of Mini UAS solutions. We design and manufacture complete Unmanned Aerial Systems (UAS), from the airframe to the onboard systems. One of our key strengths is our expertise in avionics, which we develop entirely in-house to ensure performance, reliability and optimal integration.*



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## NOCTUA 200



### **Ultra-Portable Mini UAS for the Dismounted Soldier**

The Noctua 200 is a compact, lightweight ISR drone designed for dismounted soldiers. Equipped with modular sensors, including daytime, thermal and specialized cameras, it meets the requirements for surveillance, reconnaissance and mapping missions. Carried in a single rucksack along with its control station and tablet, it can be deployed in a matter of minutes. Launched by one hand and fitted with a precision landing beacon, it ensures a reliable return, in complete discretion.



© Ludovic Borde

## NOCTUA 300



### **Mini UAS for stealthiest missions**

The Noctua 300 is an ISR drone designed for the stealthiest missions. Equipped with modular sensors, including daytime, thermal and specialized cameras, it meets the requirements for surveillance, reconnaissance and tactical mapping. Carried in a single rugged case with its control station, it can be deployed quickly, even in difficult terrain. Hand-launched and equipped with a precise landing beacon, it ensures a reliable return. Discreet and silent, it operates with complete discretion, even in the immediate proximity of the area of interest.



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## GRIZZLY 400



### **Rugged Mini UAS designed for harsh environments**

The Grizzly 400 is a rugged ISR drone designed for harsh environments. Equipped with a modular payload bay, it can carry at the same time different sensors such as day/night optical (EO/IR) sensors, SIGINT systems and mapping sensors, and airdrop capability. It meets the requirements for surveillance, reconnaissance and tactical mapping. Deployed in under 15 minutes, it is launched using a lightweight catapult. It lands with precision thanks to a landing beacon, facilitating its recovery even in complex environments.



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## TOUTATIS



### **Short range Loitering Munitions designed for high-intensity operations**

Developed in collaboration with Thales, the Toutatis short-range, multi-environment loitering munition can be deployed by an infantryman or launched from a vehicle, an aircraft carrier or a ship. Equipped with a state-of-the-art 1 kg warhead in 5kg MTOW, which can be swapped depending on the desired military effect, the Toutatis is capable of neutralising targets such as infantry fighting vehicles or heavy armoured vehicles, whilst allowing the user to maintain control of the situation until the end of the mission.



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# AZUR DRONES

*Founded in 2012, Azur Drones is a French company, a European leader in autonomous aerial surveillance solutions.*

*The company has designed and developed Skeyetech, a drone-in-a-box platform based on a multi-rotor UAV, enabling rapid deployment and persistent aerial monitoring with no pilot required on site. We support clients throughout the project lifecycle, from feasibility studies to regulatory compliance and operational maintenance.*



## SKEYETECH



Skeyetech combines an autonomous aerial platform, an intelligent docking station, and a supervision software interface (HMI).

Designed for critical environments, it enables 24/7 aerial surveillance with precise hovering and rapid deployment, while ensuring sovereignty, data security, and operational continuity.

The solution is built on full control of the value chain, from embedded systems design to software development.



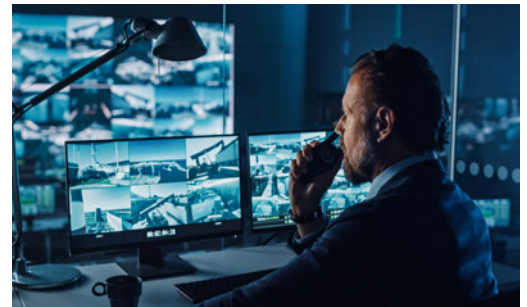
## MISSION CAPABILITIES

Skeyetech enables the execution of autonomous aerial missions, initiated by an operator, to support:

- Incident verification
- Perimeter surveillance
- Tactical overwatch and enhanced situational awareness
- Inspection and maintenance support

The system enables rapid response, improves operational coordination, and supports decision-making in complex environments.

The HMI developed by Azur Drones enables mission planning, operation supervision from a control station, and real-time data exploitation. It integrates with existing systems (VMS, control centers) to enhance coordination, decision-making, and data traceability.



## OPERATIONAL EXPERIENCE

Skeyetech is operationally deployed on critical infrastructure, both civilian and military, in more than 11 countries.

The system has demonstrated its reliability through extensive operational use, supporting continuous surveillance and rapid response in demanding environments.

To date, Skeyetech has completed:

- over 70,000 missions,
- over 160,000 km flown,
- over 25 flight authorizations (SORA) granted by aviation authorities.



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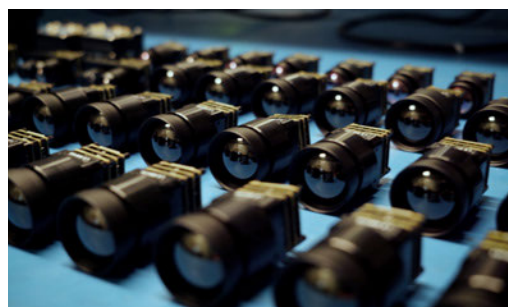
# BERTIN TECHNOLOGIES

*BERTIN TECHNOLOGIES is a European industrial group in high-end instrumentation that designs and manufactures, in France and in Europe, measurement, observation and detection systems and instruments for critical or scientific applications. Every day, Bertin Technologies pursues technological advances in the fields of Defense, Nuclear, , Space, Big Science, and Life Sciences. Bertin Technologies develops high-tech solutions in the fields of optronics, CBRN detection, and measurement and observation systems to meet critical defense, security, and industrial needs. The company designs innovative, autonomous equipment capable of providing surveillance, detection, inspection, and operational support in complex and demanding environments such as SaphyRAD MS and CamSight.*

## CAMSIGHT



CamSight is a lightweight and compact thermal core camera to be integrated into advanced observation and surveillance optronic systems. It has 9 versions, each providing high quality image and adapted to any defense and security application. Among them, CamSight LS is the smallest OEM VGA camera available on the market. It has been designed to be easily integrated within complex optronic systems. Lightweight, ultra compact and very low-consuming, CamSight LS can be implemented in very constrained environments to fulfill night and day surveillance, observation and infantry missions. Then, the CamSight LITE is the low SWaP cost-effective version dedicated to big volumes and single use applications. Delivered with USB interface for simplest integration, with shutter for best image, it adapts to different holders. Equipped with a French uncooled infrared sensor and a shutter, it ensures superior performance in the most constrained environments.



## SAPHYRAD MS



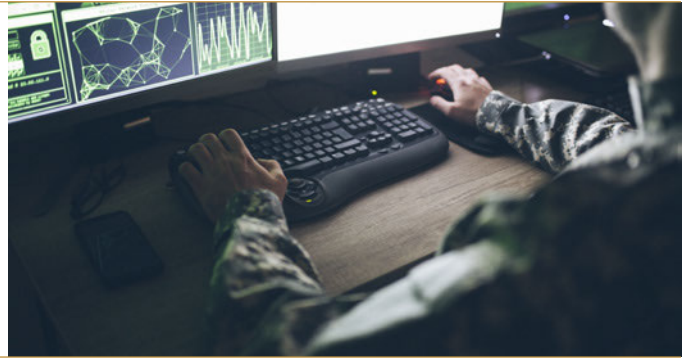
SaphyRAD MS is a multiprobe survey meter designed for military or civil security operations in harsh environments. Thanks to a wide range of smart probes, SaphyRAD MS allows to cover most of the needs of the Armed Forces and first responders in the field. It can be used for radiation exposure monitoring , source and hot spot search, as well as for radiation contamination detection and measurement. Its comprehensive range of innovative probes allows the user to detect and measure alpha, beta, gamma, neutron and X-Ray radiation. SaphyRAD can also be mounted on an all-terrain robot to make it easier and safer to use. The ergonomic design of the Human Machine Interface is quick and easy to use by non-radiation specialists.



# CAPGEMINI

*For more than 55 years, CAPGEMINI has supported industrial leaders and public organizations in their business and technology transformation.*

*As drone technologies evolve toward interconnected multi-domain systems, CAPGEMINI combines expertise in engineering, AI, cybersecurity, and digital continuity to develop resilient, interoperable, and sovereign UAV and UGV capabilities*



## ADVANCED SOFTWARE ENGINEERING FOR TRUSTED UXVS PLATFORMS



CAPGEMINI develops and integrates a software-enabled service extension built on modular, hardware-agnostic software components to enhance the performance, autonomy, and scalability of UxVs and robotic systems across defense use cases. Positioned at the intersection of embedded software, AI, and digital continuity, CAPGEMINI supports the full lifecycle of systems — from experimentation (TRL 3) to industrial deployment (TRL 9).

Its capabilities include the development of AI-enabled onboard systems (computer vision, sensor fusion, 3D analysis, object detection), GPS-denied navigation and localization, mission planning and orchestration, as well as human-machine interfaces and pilot assistance. It enables real-time decision-making through edge AI in constrained environments, supported by secure, interoperable and STANAG-compliant architectures.

Building on the Mission Operating System principles, CAPGEMINI promotes reusable software components, standardized data contracts and modular mission applications that can be deployed across heterogeneous platforms. This approach allows defense stakeholders and industrial partners to integrate new algorithms, autonomy modules, sensors or mission services faster, while reducing vendor lock-in and improving scalability and upgradeability.

Through its software engineering excellence, DevSecOps practices software factory approaches, CAPGEMINI enables industrial-scale deployment, ensuring robustness, cybersecurity, and compliance with defense standards. Leveraging a strong ecosystem of partners, it integrates innovations such as collaborative robotics, swarm intelligence and digital twins to deliver resilient, sovereign and data-centric operational systems.



## NEXT-GENERATION COMMAND SYSTEMS FOR COLLABORATIVE OPERATIONS



CAPGEMINI supports defense stakeholders in the design, integration, and deployment of interoperable, resilient, and secure next-generation Command & Control (C2) systems for UxVs (UAVs, UGVs, and autonomous multi-domain systems). A long-time partner of the French Ministry of Armed Forces CoHoMa projects, Capgemini leverages its expertise in systems engineering, connectivity, cybersecurity, and AI, to develop advanced C2 capabilities and move beyond platform-centric control chains towards open, mission-centric supervision. The C2 layer can integrate heterogeneous assets, normalize their data, manage mission intent, support dynamic tasking and provide operators with a consolidated operational picture. It is designed to support human-machine teaming, mission planning, collaborative autonomy, real-time data fusion and AI-assisted decision-making.

CAPGEMINI also ensures seamless interoperability with legacy systems and allied frameworks, while strengthening cyber resilience across the entire operational chain. By combining digital twins, simulation environments, and model-based engineering, CAPGEMINI accelerates validation, scalability, and operational readiness of C2 systems in high-intensity scenarios.



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# CNIM SYSTÈMES INDUSTRIELS

*In a strategic environment marked by the return of high-intensity conflicts, armed forces must have robust, interoperable and rapidly deployable systems.*

*As a major partner in the defense and security industry, CNIM Systèmes Industriels has been supporting armed forces since 1856.*

*Our solutions aims at strengthening military operational capabilities, mainly for combat engineering units.*



## ROCUS | ROUTE CLEARANCE UNMANNED SYSTEM



IEDs are responsible for numerous human fatalities and the destruction of military assets.

With ROCUS, CNIM Systèmes Industriels helps land forces in their missions while reducing their exposure to threats.

ROCUS, easily maneuverable, enhances military capabilities and saves lives.

Developed by CNIM Systèmes Industriels based on the THeMIS platform from Milrem Robotics, the ROCUS, combat proven, has been deployed in Ukraine since 2023.

Able to operate in hostile terrain, combining endurance and robustness, ROCUS inspects, confirms and neutralises the threat to ensure the safety of soldiers and the advance of convoys. Remote-operated out of view, it avoids direct exposure of military personnel.

The ROCUS is a high-mobility tracked vehicle that exerts limited pressure on the ground. It can operate in all environments and accompany troops in the most remote terrain.

The ROCUS is also available in a vehicle-mounted configuration, notably on the Arquus Drailer platform, which has been demonstrated.

Key performances :

- 20 km/h | 10 h endurance
- 4m robotic arm with 100 kg lift capability
- Ability to operate day and night
- Unified command system



# DAHER

*Aircraft manufacturer, industrialist, industrial service provider and logistician, Daher today has 14,500 employees for a turnover of 1.9 billion euros in 2025. With its family ownership, Daher has been focused on innovation since its creation in 1863. With locations in around seventeen countries in Europe, North America and Asia, Daher designs and develops value-added solutions for its aeronautical and industrial customers and partners, serving both civil and defense markets.*



## MULTI-MISSION OPERATIONAL SHELTERS FOR CONTROL, DRONE AND RADAR APPLICATIONS



Daher designs and integrates mobile, robust and secure operational shelters, dedicated to ground control stations - for drone management and others - and to radar applications.

Based on a 20-foot ISO steel shelter (ISO 668) with CSC certification, these systems are designed for operation in harsh environments with an operating temperature range from -32°C to +50°C.

The internal layout features a clear separation between an isolated operator area and a technical area, ensuring operational performance and protection of onboard equipment. Compliant with ISO 3874 handling standards, the shelters incorporate palletisation tunnels as well as a bi-position Ampliroll system (STANAG & DIN), facilitating deployment and projection on operational theatres.

Fully autonomous, they integrate power generation, electrical and air-conditioning systems, as well as safety equipment, and can be configured with a wide range of modular options to adapt to the specific requirements of drone or radar operations for armed forces.



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# DELAIR

*Delair, a French pioneer in UAV technology, has developed 5 generations of professional drones for Intelligence, Surveillance, Target Acquisition, and Reconnaissance (ISTAR) missions. Our portfolio includes fixed-wing, multirotor, ROVs, and loitering munitions, offering robust solutions. Trusted worldwide Delair combines innovation and reliability to support defense and critical missions with cutting-edge.*

## DRAKO : UNIVERSAL GROUND CONTROL STATION



DRAKO (Drone Remote Access Command & Control for Operations), provides a unified command-and-control interface for mission planning and anticipation. Compatible with STANAG 4609 and major European drone manufacturers, it enables multiple drone types to be controlled from one platform. It centralizes field data, flight plans, and tactical information to support rapid decision-making. Its tools assess risks, adapt routes, and anticipate events in real time. Already used by French, Ukrainian, and other European armed forces, DRAKO is a key asset in modern operations.

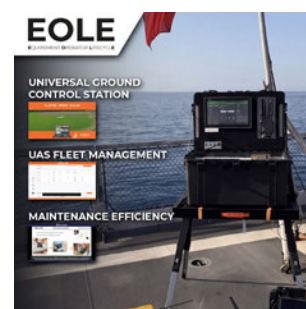


## EOLE, THE ALL-IN-ONE SMART SOLUTION FOR DRONE MAINTENANCE



EOLE is an innovative, comprehensive, simple, agnostic, and secure solution designed to optimize the deployment and maintenance of your drone fleet.

EOLE combines DRAKO (a universal ground station capable of operating most drones on the market: simulation, mission planning, and flight log recording) with MYDELAIR (a cloud-based fleet maintenance optimization solution that provides quick access to drone documentation and flight data). DRAKO and MYDELAIR are enhanced by an interactive multimedia system dedicated to training and support, featuring an augmented reality function developed in partnership with **PICOMTO**.



## DT61 – EXTRA LONG-ENDURANCE TACTICAL UAV FOR ADVANCED ISR/ISTAR MISSIONS



**DT61 – 100 kg MTOW | + 10h endurance | + 100 km Communication range | 15 kg payload**

The DT61 is a medium UAV designed for ultra-long-range observation and advanced ISR/ISTAR missions, providing persistent wide-area coverage. It can carry multiple sensors including gimbals, IMINT, SIGINT, and SAR/GMTI radar systems. Its fixed-wing VTOL architecture enables runway-independent operations from remote or constrained locations, while its modular design ensures mission flexibility. Deployable by only two operators in less than 30 minutes and transportable in a light utility vehicle such as a pickup truck, the DT61 combines endurance, mobility, and payload versatility for demanding military operations.



## DT46 – LONG-ENDURANCE TACTICAL EVTOL UAV FOR ISR/ISTAR MISSIONS



**DT46 – 25 kg UAV | + 6h Endurance | 100 km communication range | 5 kg Payload**

The DT46 is a convertible UAV with a modular VTOL design for demanding multi-mission operations. It offers +6 hours endurance in fixed-wing mode or +3 hours in VTOL mode, with a range up to 100 km and dual payload capacity of 5 kg. It supports advanced sensors including long-range gimbals, IMINT, LiDAR and RGB payloads. Used by the French Army, French Air and Space Force, and Latvian Armed Forces, the DT46 is suited for surveillance, reconnaissance, artillery coordination, border protection and disaster response. It combines endurance, mobility and sensor versatility for field operations.



## DT26 – MEDIUM-ENDURANCE TACTICAL UAV FOR ISR MISSIONS



**DT26 – 16 kg UAV (Payload included) | + 170 min Endurance | 50 km Communication range**

The DT26 is a versatile tactical drone designed for surveillance, reconnaissance and operational support missions. Compact and easy to transport, it can be rapidly deployed from constrained areas to provide immediate situational awareness. Its modular architecture allows integration of various sensors according to mission needs. Reliable and easy to operate, the DT26 is an efficient solution requiring responsiveness, precision and mobility.



## UX11 IR - TACTICAL MAPPING UAV



**UX11 IR – 1,6 kg UAV (Payload included) | + 80 min Endurance | 10 km Communication range**

The UX11 IR is a fixed-wing drone designed for discreet observation, local surveillance and rapid reconnaissance missions. Equipped with day/night and infrared sensors, it detects movements, tracks individuals and monitors sensitive areas, including at night. Easy to operate and quickly deployable, it is ideal for route surveillance, perimeter control and security support. Its high endurance and wide coverage suit missions requiring discretion, mobility and continuous observation.



## DX08 - MULTIROTOR PLATFORM FOR ISR MISSION



**DX08 – 3,2 kg UAV | up to 30 min d'endurance | up to 2 km Communication range | up to 1,5 kg Payload**

The DX08 is a versatile quadcopter designed for surveillance, observation, and rapid situational awareness missions. Equipped with day and night cameras, it provides continuous monitoring, including in complete darkness, while delivering fast and accurate intelligence and reducing exposure of ground teams. Its endurance enables persistent observation, confirmation of reported information, and real-time monitoring of evolving situations. Its modular design allows rapid payload integration to adapt to tactical needs. Robust and reliable, it operates effectively in demanding environments with unified control through the Delair Drako Universal Ground Station.



# DELAIR

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## PA DRONE – AI-ENABLED MULTIROTOR PLATFORM FOR NAVAL INSPECTION



The PA Drone is a multirotor aerial drone developed in collaboration with **Naval Group**, designed to perform above-water hull inspections. It is equipped with advanced AI for hull reconstruction and defect detection, making it a practical tool for ship maintenance and operational readiness missions. Rapidly deployable and easy to operate, it reduces the need for manual inspections and limits personnel exposure in complex environments. Its high-resolution data collection enables faster maintenance planning and more accurate assessment of vessel condition. The PA Drone enhances fleet availability by supporting efficient, safe and cost-effective inspection operations.



## DELAIR CLOUD – CENTRALIZED PLATFORM FOR UNDERWATER DATA PROCESSING AND EXPLOITATION



The Delair Cloud is the central digital platform that aggregates and harmonizes underwater data, regardless of their source, to generate clear and actionable reports. It also enables users to centralize mission results, imagery, maps and analytics within a single secure environment. Through advanced processing tools, raw data is transformed into valuable intelligence for faster and better-informed decision-making. The platform improves collaboration by allowing multiple teams to access, review and share information in real time. Its cloud-based architecture ensures secure remote access, operational continuity and efficient data management from anywhere. Scalable and user-friendly, Delair Cloud is ideal for organizations requiring reliable mission oversight, data exploitation and multi-domain coordination.



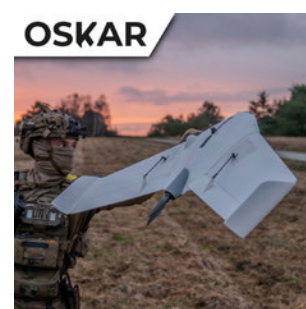
## OSKAR – LOITERING MUNITION SYSTEM



**OSKAR – + 30 min endurance | + 30 km communication range | KNDS 2.3 kg warhead | 5 min deployment**

OSKAR is a DELAIR loitering munition system designed for precise and responsive tactical strike missions. It enables deep engagement capabilities against light vehicles and personnel targets. The system can be hand-launched with payload installation completed in seconds. Human-in-the-loop supervision ensures flexible engagement while reducing collateral damage.

OSKAR remains fully operational in GNSS-denied or RF-jammed environments thanks to Smart Shield technology. It also provides persistent surveillance, automatic target tracking, and rapid target acquisition. Control is performed through the hardened MIURA-D ground station with robust datalinks and an intuitive Tap-to-Target interface.



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## DAMOKLES – LOITERING MUNITION SYSTEM



**DAMOKLES – +30 min endurance | +8 km range | 3.6 kg total weight (KNDS warhead included) | 5 min deployment**

DAMOKLES is a loitering munition designed for precise, responsive and highly mobile tactical strike missions. It integrates a precision warhead supplied by KNDS, effective against light vehicles and personnel targets. Designed for vertical take-off in confined areas, it is easily transportable in a lightweight and rugged backpack. DAMOKLES remains operational in GNSS-denied or RF-jammed environments thanks to Smart Shield technology while ensuring operator safety. Its onboard intelligence enables persistent surveillance, real-time target acquisition and automatic target tracking. Control is managed through the MIURA-D ground station with secure communications and an intuitive Tap-to-Target interface.

## MUTANT XL - LOITERING MUNITION SYSTEM



**MUTANT XL – +60 min Endurance | +50 km Communication range | 16 kg weight (MBDA anti-tank warhead included)**

MUTANT XL is a loitering munition designed for long-range, high-impact tactical strike missions, enabling beyond-visual-line-of-sight engagements. Developed jointly by Delair under the LARINAE program for the Agence Innovation Défense, it combines advanced strike capabilities with operational flexibility. It features advanced image processing and terminal guidance for highly accurate target engagement. The system supports human-in-the-loop operations with live video feedback for controlled and precise strikes. Powered by an electric fixed-wing platform, it can operate day or night. Its warhead derives from Akeron technology, optimized for anti-tank and anti-armored vehicle missions.



# DIXI MICROTECHNIQUES

*As a designer and manufacturer of safety devices (SAD) as well as mechanical fuzes for all types of ammunition, and a wide range of micro-engineering solutions for the defense industry, DIXI Microtechniques develops products that meet the highest standards of both specific and standardized requirements. Among its leading innovations, DIXI Microtechniques offers fuzes for Drone ammunition.*

## FOCAL FUZE FOR DRONE AMMUNITION



FOCAL is a mechanically actuated fuze designed for ammunition exceeding 50mm in diameter, designed for drone deployment. A cap, to be removed before firing, ensures the waterproofness and protects sensitivity of the fuze during logistic.



## FOCAL DUO FUZE FOR DRONE AMMUNITION



FOCAL DUO is a mechanical impact fuze designed to equip any type of ammunition with a diameter greater than 50mm for drone use. The safety sleeve, to be removed before firing, ensures the tightness and preserves the sensitivity of the fuze during the logistics phase. FOCAL DUO is equipped with a double safety of armament in flight as well as information feedback on the state of armament of the fuze.



## FOCAL AIRBURST & FOCAL DROPPED



FOCAL range will be extended in 2027 with :

- FOCAL AIRBURST
- FOCAL DROPPED dedicated to dropped ammunition from drones



# DRONE VOLT

*Professional drone manufacturer offering a range of solutions dedicated to the defense and security sectors. As a global partner, DRONE VOLT provides its customers with tailored solutions, including drone services, training, and R&D support.*

## RANGE OF UAVs FOR DEFENSE AND SECURITY PROFESSIONALS

### DRONE VOLT KOBRA, C3-CERTIFIED DRONE BY EASA (EUROPEAN UNION REGULATION)

**The intelligent professional drone designed to enhance operational efficiency.**

This European-made drone is the ultimate multi-mission platform. Equipped with an AI-ready nano-computer, it delivers unmatched flexibility and virtually unlimited configuration options. Its modular architecture, supported by multiple external interfaces, enables seamless integration of a wide range of payloads. Designed to adapt to evolving operational requirements, it helps users achieve mission success in any environment. Our quadcopter combines 4 strategic assets: Intelligence, Power, Connectivity and Modularity.



### HELIPLANE LRS PRO SERIES

**HELIPLANE LRS, a range of long-endurance VTOL drones for surveillance missions (frontiers, coastline, maritime, etc).**

Our VTOLs excel in intelligence, reconnaissance, surveillance, and mapping missions. With their versatile payload capabilities and adaptable configurations, they are ideally suited for a wide range of operational applications, including border security, sensitive site monitoring, search and rescue operations, crisis and disaster management, and critical infrastructure protection.



### HERCULES 20, C5-CERTIFIED DRONE BY EASA (EUROPEAN UNION REGULATION)

**This robust heavy-lift drone is an ideal tool for carrying heavy loads up to 15 kg, in difficult-to-access areas.**

Equipped with its winch or dropper, it can transport and drop emergency equipment for intervention and rescue forces (defibrillator, tools, food supplies, etc). With each of these payloads, an integrated camera provides video feedback to the remote controller, allowing you to operate a precise drop on a determined area.



# ELISTAIR

*Created in 2014, Elistair designs and manufactures smart and automated tethered drone systems for perimeter protection, border surveillance and large event security. Thanks to its micro-tether technology, Elistair solves the problem of drone battery life.*

*Our products are used by armed forces, civil security services and private companies in more than 70 countries.*



## KHRONOS - TETHERED DRONEBOX



Khronos is a fully automated system including the tethered drone, tethered station, and its ground control station. It can be integrated into a fixed platform or a vehicle to safely enhance static or mobile operations and increase operational flexibility.

In critical environments, interruption is not an option. Khronos is airborne at 60 meters in under 2 minutes and holds position for 24 uninterrupted hours, delivering continuous, actionable aerial intelligence wherever the mission demands it.

- GNSS Denied
- RF Silent
- Fully automated
- Target tracking and categorization
- "Follow-me" function
- API Mavlink, ATAK



## SAFE-T 2 - SMART TETHERED DRONE STATION



Safe-T 2 is an advanced tethered station for UAVs, offering real-time persistent observation and surveillance capabilities.

When operations cannot afford downtime, the Safe-T 2 keeps drones in the air for hours. Powering platforms up to 100 meters through a micro-tether, it delivers continuous overwatch, secure data transfer, and unlimited endurance, even in the most demanding environments.

Compatible with multiple drones and payloads on the market, it is especially suited for day-night aerial surveillance and telecommunications (Fiber optics, 4G, Wi-Fi, radio).

Field-proven worldwide :

- 2000+ units deployed on all continents
- 500+ users including the US Army



## LIGH-T 4 - COMPACT TETHERED DRONE STATION



Ligh-T 4 is a compact man portable tethered drone station. Multi-drone compatible, the Ligh-T 4 offers continuous aerial observation capabilities to first responders and drone operators who need to fly longer than a standard battery charge.

- 24 hours overwatch
- 70 meters flight altitude
- Compact & portable
- Multi-drones compatible



*Eviden, an Atos group brand, designs innovative, connected, and secure solutions for defense and security organizations. Eviden's systems combine the best information and communications technologies, tailored to critical environments. Eviden provides defense decision-makers and operators with solutions to optimize the operational availability of resources, systems, and data, support decision-making, and coordinate forces in the battlefield. Eviden develops end-to-end solutions based on secure and resilient data processing, deployed to address multi-domain operations (land, air, sea, space, and cyber). Eviden systems make it possible to meet the challenges of collaborative combat with C2 operational information systems, tactical communications, defense electronics, cybersecurity, and signals intelligence.*

## TACTICAL SITUATIONAL AWARENESS FOR FORCE COORDINATION



**SICS is a Battle Management System**, enabling real-time sharing of the tactical situation at Battle Group level between ground units, vehicles, command posts and Army Aviation (ALAT), to ensure agile and efficient combined-arms coordination. Designed with interoperability for allied forces, SICS supports operational and digital convergence in coalition environments.

Preparing future collaborative combat and tactical data hubs: Our experts are working on the integration of robotic assets equipped with sensors, virtual and augmented reality, and artificial intelligence to shape the next generation of collaborative combat foundations.

**ECHO is a hybrid tactical IP radio** (radio + LTE) designed to deliver secure and resilient data communications, ensuring IP connectivity as close as possible to deployed units, even in degraded environments. ECHO supports battlefield robotization through a sovereign, cyber-secure and scalable solution designed to connect drone swarms. The modular support of radio frequency bands allows for regular radio-frequency updates, ensuring mission continuity. Furthermore, its advanced configuration-sharing capabilities enable efficient dissemination of radio configurations across the entire drone swarm.

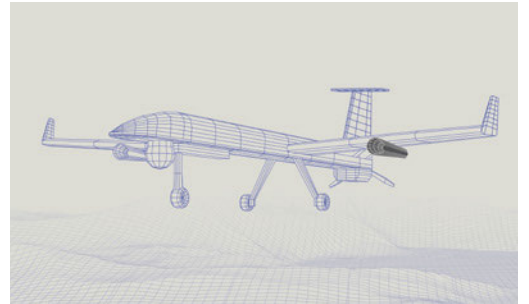


## INTELLIGENCE, SURVEILLANCE, RECONNAISSANCE FOR DECISION-SUPPORT



**Avantix**, an Eviden Business and renowned expert in radiofrequency (RF) for more than 40 years, specializes in cutting-edge airborne SIGINT solutions that bring a distinctly aerospace advantage. Our advanced payloads are engineered specifically for aerial deployment, enabling the real-time detection, characterization, analysis, and geolocation of electromagnetic emissions from the sky. This aerial perspective greatly enhances mission awareness and intelligence, even in the most complex and contested operational environments.

**Avantix** solutions ranges from agile, **compact tactical SIGINT sensors** to **comprehensive ISR systems**, all rigorously tested and flight-proven across a broad spectrum of airborne platforms. These platforms encompass light tactical drones, UAVs, MALE-class drones, and manned ISR aircraft, delivering a dynamic electromagnetic tactical picture exclusively from the air. Built for plug-and-flight missions purposes, our payloads are interoperable and interface with aircraft mission systems, command and control (C2) systems, datalinks and operator consoles, and support coordinated multi-sensors ISR architectures, including integration with tierce sensors such as EO/IR for visual identification. Their modular design enables scalable configurations, from single-payload integration to fully integrated airborne ISR suite, while ensuring long-term adaptability to evolving operational requirements.



# EXAIL

*Exail is a leading high-tech industrial company specializing in navigation, positioning, autonomy, and robotics technologies for modern land defense. With complete mastery of its in-house technologies, Exail delivers combatproven solutions ranging from tactical inertial navigation systems (INS) to advanced robotics systems. With a global footprint and 2,200+ employees, the company equips more than 20 armies worldwide, ensuring maximum safety, situational awareness, and mission success on the battlefield.*

# exail

## IGUANA - UGV WITH ROBOTIC ARM AND HIGH OBSTACLE CLEARANCE CAPABILITIES



The Iguana is a two-men portable UGV for specialized intervention. Its robotic arm, that can be fitted with a comprehensive set of tools (X-RAY systems, disrupters, lasers, etc.), offers multi-mission capabilities. Highly maneuverable and narrow, it benefits from high obstacle clearance capabilities (up to 80 cm) and can operate in highly confined spaces.



## CAMELEON LG - BACKPACKABLE UGV WITH ROBOTIC ARM CAPABILITIES



The Cameleon LG is a lightweight and compact UGV easily deployable in the context of a rapid intervention. Offering 20 cm obstacle clearance capabilities, it is equipped with a manipulator robotic arm able to be fitted with various tools, making it a highly versatile UGV adaptable to a wide range of missions.



## CAMELEON MK3 - PORTABLE UGV WITH ROBOTIC ARM CAPABILITIES



The Cameleon MK3 is a lightweight multi-mission UGV for specialized intervention. With its advanced manipulator robotic arm and comprehensive tools capacity, it can conduct a wide range of missions. Easy to deploy by a single person or from a standard vehicle, it is highly maneuverable and offers obstacle clearance capabilities up to 25 cm.



# exail

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# EXOSENS

*Exosens is a European leader in high-end electro-optical technologies, delivering advanced solutions for critical applications. Combining expertise in amplification, detection, and imaging, Exosens provides high-sensitivity, high-speed cameras for detecting extremely low signals. For UAV and UAS missions, its imaging solutions offer high performance, SWaP optimization, and easy integration, enabling precise detection, monitoring, and decision-making in demanding environments.*

## MICROCUBE XP SERIES



The **MicroCube XP series** is an ultra-SWaP thermal core for UAV payloads, enabling reliable airborne detection and tracking with high thermal sensitivity, fast startup, and seamless integration into compact platforms.



## CRIOUS XP SERIES



The **Crius XP series** delivers high-performance thermal imaging for UAV and UAS payloads, supporting airborne surveillance and tracking with sharp imagery, fast startup, and reliable integration in demanding environments.



## MICRONOXCORE HD300



**MicroNoxCore HD300** is the most compact HD MWIR camera core for small gimbals. With a 20x zoom lens and advanced image processing, it delivers high performance in a lightweight, space-saving design.



## MICRONOXCORE 275



MicroNoxCore 275 brings MWIR imaging to highly size- and weight-constrained systems. Despite its compact design, it integrates all advanced features of the NoxCORE family



# FLYING EYE

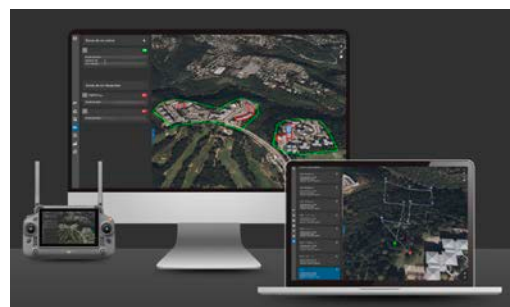
*Flying Eye is a French company specializing in professional drones and anti-drone solutions. We support both public and private organizations with solutions tailored to their operational challenges. Our expertise covers security, defense, energy, and critical missions. We provide supervision, training, and integration solutions. Flying Eye has established itself as a leading drone industry player in France.*



## FLYING HUB



Flying Hub is a centralized command-and-control (C2) platform that enables the remote piloting, coordination, and supervision of drone operations. It provides real-time operational awareness by integrating drones, anti-drone systems, and field teams within a 3D mapping environment. Designed for critical missions, it enables operational automation, mission planning, and fleet tracking. Secure and deployable on-premises, it ensures data sovereignty. Flying Hub stands out as a comprehensive solution to optimize the management and safety of aerial operations.



## NEMESIS



The Némésis drone is a 10-inch FPV drone fully manufactured in France by Flying Eye, using European components compliant with NDAA standards. Designed with a foldable structure, it can be hand-deployed in approximately 10 seconds and features landing feet that allow it to be placed on the ground with its payload.

Built on components from the Orqa Defense range, it is equipped with an encrypted ORQA IRONghost radio link resistant to electromagnetic threats. The Némésis also integrates a terminal guidance system developed by the French company Alta Ares. In addition, Némésis features AI-powered capabilities.



# HEXADRONE

*Hexadrone is an independent French company specialising in the design, industrialisation and production of tactical drones for the armed forces and government agencies. It forms part of the defence industrial and technological base, offering sovereign, modular and scalable systems. Beyond simply providing platforms, Hexadrone is building a comprehensive industrial and technological ecosystem capable of providing long-term support to forces in high-intensity environments.*



## TUNDRA 2.1



The **TUNDRA 2.1** is a modular, multi-role drone platform designed to meet the operational requirements of modern forces.

Robust and versatile, it is IP54-certified and can carry a payload of up to 8 kg, depending on its arm configuration.

Designed for real-world deployment, it can be carried in a rucksack and rapidly deployed in the field.

Its architecture is based on three open proprietary standards: [TR-LOCK] for the mechanical and electrical integration of payloads, [TR-COMM] for the modularity of data links, and [TR-MODULE] for the rapid integration of secondary functions.

This standardisation allows the system to be adapted for intelligence, surveillance, electronic warfare or CBRN detection missions.

The TUNDRA can carry various tactical radios, sovereign solutions and specialised sensors, offering high resilience against jamming and GNSS spoofing.

Designed and manufactured in France, it draws on a European ecosystem of technology partners and prioritises reparability, backward compatibility and long-term operational maintenance.



## GEKKO 2.1



The **GEKKO 2.1** is a lightweight, remotely piloted (FPV) drone designed for operations in demanding environments and high-intensity scenarios.

Developed on the basis of operational feedback, it is available in two main configurations: GEKKO 2.1 XL and GEKKO Training (with payloads of 4 kg and 1 kg respectively).

Designed with industrial and mass production in mind, it prioritises robustness, ease of use and rapid deployment.

Foldable, easily transportable and operable in the rain, it can be deployed quickly by units in the field.

Compatible with several types of munitions and various command and control (C2) systems, it constitutes a modular system adaptable to numerous missions.

Developed and produced in France, and already proven in several theatres of operations, it forms part of a sovereign and scalable approach.

In particular, the GEKKO serves as the platform for the FRONDE (IRHP) project.

Our industrial partners offer comprehensive turnkey solutions integrating the drone, munition carrier, munitions and DSA.



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# IMPACT

*Impact is a 100% French defence and security oriented software publisher. Impact's solutions allow to increase the potential of the various resources used in an operation, like telecommunication equipments, sensors, databases, etc. Relying on Geographical Information Systems (GIS), the solutions enable critical decisions to be made by creating a multi-source data fusion for a shared tactical situation in real time.*

## DELTA SUITE



DELTA SUITE groups together the basic modules required by military users, and thus forms the basis for versions designed for the armed forces. Its Windows or Android versions are designed to equip operators in Command and Control Centers (C2 - C4ISR), those who are embedded in wheeled, naval or airborne assets or dismounted ones.



### Windows and Android basic features

- Cartography with a wide range of geographic data formats (import of vector or raster files and connection to map servers), as well as spatial analysis capabilities (slope profile calculation, intervisibility calculation, geofencing, etc.) ;
- Location and Navigation module ;
- Tactical Situation follow-up module (Blue Force Tracking, wide range of compatible military and civilian communication equipments and sensors) ;
- Full Motion Video module ;
- Chat messaging module.

### Specific business for drones and MTO

DS Drones is a business module, which is compatible with Windows and Android versions and that lets you interact with UAVs using the MAVLINK protocol (other are in progress). It is thus possible to transmit commands to the UAVs and monitor their parameters. Unlike DS WAVEBIRD, which is almost exclusively dedicated to remote piloting of UAVs, the DS DRONES module will enable complex payloads to be piloted, either alone or in conjunction with other modules (e.g. DS SIGINT).

## DS WAVEBIRD



DS WAVEBIRD is a multiplatform application (Android, Windows, Linux, Mac, iOS) dedicated to drone teleoperation. It allows, through a simple and intuitive human-machine interface, the control of a wide range of different drones, whether they are aerial, terrestrial, surface, or underwater. DS WAVEBIRD is interoperable with the DELTA SUITE ecosystem, which includes business modules such as DS ISR and DS DRONES and allows the exchange of tactical situational awareness with those systems.



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*Kontron Modular Computers develops rugged embedded computing boards, platforms and mission systems for critical defense, aerospace and transportation applications. With more than 40 years of technological expertise, Kontron supports system integrators with secure, modular architectures designed for scalable mission performance and long-term operational continuity.*

*Designed, manufactured and maintained in Europe, Kontron solutions combine cybersecurity foundations, open architectures and lifecycle support services to ensure mission readiness over decades.*

## AUTONOMOUS MISSION COMPUTING & EDGE AI



Our rugged embedded computing platforms enable real-time processing, sensor fusion and AI-assisted decision-making for unmanned and robotic systems operating across air, land and maritime domains. Designed for constrained SWaP-C environments, our solutions support autonomous navigation, ISR processing, payload management and distributed mission operations.

Our Expertise

- AI acceleration and real-time sensor processing
- Open and interoperable modular architectures
- Edge computing for autonomous and distributed operations
- Low SWaP-C computing platforms for mobile deployments



## PAYLOAD PROCESSING & SENSOR FUSION



Our embedded computing boards and mission platforms enable real-time processing of EO/IR, radar, RF and ISR payload data onboard unmanned and robotic systems. Designed for constrained SWaP-C environments, our solutions support AI-assisted analytics, sensor fusion and high-speed data processing close to the sensor.

Our Expertise

- High-performance embedded payload processing
- GPU acceleration and AI inference
- Real-time sensor fusion and ISR computing
- High-speed data connectivity and edge computing
- Open modular architectures for rapid integration



## CYBERSECURITY & OPERATIONAL CONTINUITY



We integrate cybersecurity from the earliest design stages of our platforms to ensure system integrity, trusted communications and secure control of autonomous systems. Designed in Europe, our architectures support resilient deployment, secure data processing and sovereignty requirements for connected environments.

Our Expertise

- Security-by-design architectures
- Trusted computing and secure boot foundations
- Secure communications and mission data protection
- Cyber-resilient autonomous system architectures
- Sovereign deployment and lifecycle control



# KNDS MOBILITY

*KNDS Mobility (formerly known as Texelis Defense) is a French company, specialized in developing, producing and qualifying complete mobility solutions for armoured vehicles, ranging from 4x4 and 6x6 to 8x8 models, as well as tracked platforms and solutions for hybrid mobility. KNDS Mobility is an ideal partner for any type of international programme aimed at very fast and essentially risk-free developments of new tactical systems, anywhere in the world.*



## TANK ELECTRIFIED DRIVETRAIN (TED)



The Tank Electrified Drivetrain (TED) is an electrified unit developed and produced by KNDS Mobility to serve as the mobility core for tracked platforms.

TED provides power transmission, braking and steering and cooling functions for a 20-tonne class tracked vehicle. As part of a hybrid architecture, it is at the heart of the mobility system of tracked vehicles by driving their sprockets. Designed as a very compact package, it is easy to integrate and frees a lot of space inside the vehicle for mission modules, protection, payload or survivability cells.



## ABOARD MILREM'S VECTOR

TED has been developed for Milrem Robotic's VECTOR, probably the most advanced autonomous vehicle on the field.

The VECTOR benefits from Milrem's expertise in autonomous platforms, as well as from the experience of other platforms deployed in the most recent conflicts.

With its unmanned architecture, it is a very light and compact design. Thanks to its speed and mobility, it is natively designed to follow other manned or unmanned vehicles on the field and support them autonomously.



Powering the VECTOR, TED offers unprecedented performance for a maximum speed of 80km/h with a unprecedented torque and peak pulling force. Its cooling system, designed by KNDS Mobility, ensures optimal operating conditions even in the most extreme environments.

## READY FOR YOUR DEVELOPMENTS

Selected by MILREM Robotics for its VECTOR, TED is available for all types of advanced tracked vehicle developments.

These new developments include but are not limited to, unmanned autonomous platforms (loyal wingmen), manned tracked platforms (IFV, APC, High Mobility vehicles) as well as light tanks and other tracked armored or non-armored platforms.

Thanks to TED, developing a tracked platform may be simpler than ever. With its compact, light and scalable design, it can be easily fitted into all tracked platforms, at the front of the vehicle (as manned vehicle role, such as an IFV, for better protection) or at the rear (as an autonomous vehicle, to allow for more space at the front).

Using CELERIS' production logic, KNDS Mobility can ensure very fast and efficient developments. Let's start building together!



*MBDA is a unique multi-national European group and a world-leader in the field of complex weapon systems.*

*Created in the spirit of international co-operation, MBDA brings together state-of-the-art expertise in decisive military capabilities.*

*By designing, manufacturing and delivering innovative defence solutions to European nations and their allies around the world, MBDA plays a major role in supporting their strategic independence, protecting their national security and preserving their land, maritime, air and space sovereignty.*

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## AKERON RCX50



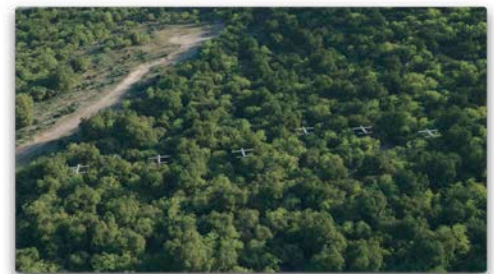
The AKERON RCX 50 is the short-range (up to 10km) solution against light vehicles and personnel. It is a man portable quad copter ammunition equipped with the AKERON MP Front charge with fragments. The RCX50 is GNSS denied, jamming, rain/dust resilient



## AKERON RCH170



The AKERON RCH170 is the medium-range (up to 80km) solution against Main Modern Battle Tanks, Infrastructure and personnel. It is a man portable fixed wing tube launched ammunition equipped with the AKERON MP Main charge with fragments. The RCH170 is GNSS denied, jamming, rain/dust resilient.



## DIAMOND SHAPED



The DIAMOND SHAPED architecture delivers exceptional aerodynamic efficiency, combining high speed, outstanding manoeuvrability, stability and low drag. It also ensures remarkable strike precision against both land and maritime targets.

Light and compact, the solution only weighs 8 kg, offering a range of up to 50 km and 45 minutes of operating time, even in GNSS-denied environments. Its rapid deployment capability is enhanced by automatic wings, unfolding at launch from a tube.



# MERIO

*Merio is a French company specialized in the design and manufacturing of high-performance gyrostabilized gimbals for aerial, maritime, and land applications. Founded in 2014 and based in France, the company develops innovative and lightweight solutions used for surveillance, reconnaissance, border control, and defense missions. Thanks to its expertise in mechanics, electronics, and embedded software, Merio offers reliable and complete systems.*



## MILVUS 7



This gimbal provides a high-performance solution for aerial platforms. The Milvus 7 is the most compact model in the range, with a diameter of only 7 cm and an ultra-light weight of 245 grams. It features a Full HD daylight camera with 160x zoom and a 640x480 LWIR infrared camera.



## MILVUS 16D



The Milvus 16D is a compact and high-performance gimbal designed for advanced airborne operations. With a diameter of 16 cm and a lightweight structure of approximately 2 kg, it combines portability with powerful surveillance and targeting capabilities. The system is equipped with a Full HD daylight camera featuring 30x optical zoom and a 1280x1024 HD LWIR infrared camera for exceptional image quality in both day and night conditions. Its key strength lies in its integrated laser designator. The gimbal also includes a laser rangefinder with a range of up to 12 km, ensuring accurate distance measurement and enhanced operational efficiency in critical missions.



## ORYX 12



The Oryx 12 is a lightweight and high-performance gimbal designed for land applications. Weighing approximately 1.5 kg, it combines compactness with high precision for mobile platforms. It features a Full HD color camera offering a wide field of view and up to 360x zoom, as well as an uncooled LWIR infrared camera providing excellent day-and-night observation capabilities. The Oryx 12S also integrates a laser rangefinder and, optionally, a laser pointer. Designed for demanding environments, it ensures optimal stabilization and reliability under operational conditions.



# METRAVIB DEFENCE

*Metravib Defence provides defense & civil security actors with effective solutions for monitoring, detecting and locating threats. The systems developed by Metravib Defence use the sound waves generated by the firing of arms to detect & accurately identify their location in real time. Thus, Metravib Defence helps to provide improved protection for personnel, permanent installations & mobile platforms in hostile territory. Our Combat Proven solutions are in more than 45 countries and are both certified ISO 9001 and ISO 14001.*



© Metravib Defence

## PAAD: NEW SMALL AI-DRIVEN ACOUSTIC DRONE DETECTOR



Metravib Defence PAAD is a new drone detector using a passive acoustic sensor powered by Defence Artificial Intelligence (AI). The PAAD can be deployed either standalone or as a key complementary detection technologies that can be coupled or integrated with multi-sensor Counter-UAS (C-UAS) solutions.

The PAAD allows to detect and track (azimuth and elevation) a drone within a radius of several hundred meters (small drones and drone swarms FPV at low altitude and low speed) and enhances small infantry units and vehicle's survivability against the growing threat of Drone Warfare.

Main features:

- Jamming-proof
- Area coverage: 360° from a single sensor
- Real time situational awareness
- Max range: 150-300 m
- Low SWaP: 0.7 kg - 10 L x 12 l x 12 H cm
- Ethernet data interface for interoperability with existing counter-UAV solutions
- Flexible power options



© Metravib Defence

## PITON: ACOUSTIC GUNSHOT DETECTOR FOR VIP, LAW ENFORCEMENT & FORCES PROTECTION



Metravib Defence PITON is a new Gunshot Detection System using a passive acoustic sensor powered by Artificial Intelligence (AI) of Metravib Defence. PITON is designed for VIP, law enforcement & forces protection and can be mounted on any type of civilian and light tactical vehicles.

The PITON provides, in a few seconds, both aural and visual indications to help Police, Military Police, Security and Military to locate the shots' origins, reporting relative azimuth and range from incoming small arms fire.

Compact and adaptable for: Light strike & tactical vehicles - UGV - Light reconnaissance vehicles - Civilian vehicles (VIP, law enforcement, armored cash transport car, etc.)

Real time shot alert:

- Area coverage: 360°
- Detection ratio > 90%
- Azimut accuracy:  $\pm 7.5^\circ$
- Range accuracy:  $\pm 20\%$
- Calibre identification:  $\leq 7.62$  mm or  $> 7.62$  mm



© Metravib Defence



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# MILTON

*MILTON develops and manufactures military-grade drones and automated systems dedicated to Intelligence, Surveillance, Reconnaissance (ISR) and security applications.*

*With its very own R&D department, the company provides 100% modular products, payloads and services, tailored to the customer's missions. Since 2023, Milton is part of Etienne Lacroix Group.*



© Milton - Etienne Lacroix Group

## DRONES & PAYLOADS



Created to answer ISR and security needs, MILTON designs three types of drones:

The **Long-Range Observer** is a VTOL fixed wing drone able to fly up to 3h30 on an 80km radius, making it the best MAME drone for long distance surveillance.

As for the **SKY KEEPER**, with its 10kg carrying capacity, it is the most versatile drone able to carry out surveillance and security missions.

The **SKY WATCHER** is Milton's latest multirotor. Very compact with a rapid deployment and payload flexibility, it enables very quick response and reactivity for military forces.



© Milton - Etienne Lacroix Group

## PAYLOADS / 100% MODULAR GIMBAL

Designed in our very own R&D department and manufactured in our plant in France, our drones can carry several payloads at the same time (EO/IR + Specific).

The MILTON drones are compatible with a large catalog of payloads: IMINT, SIGINT, sensors, transportation pod...

With our very own Research & Development department in our locals, every MILTON drone is entirely modular and can integrate both in-house payloads and third-parties'.



© Milton - Etienne Lacroix Group

## A COMPLETE OFFER – FROM TRAINING TO MAINTENANCE

As our technologies are entirely built in MILTON, we control the entire lifecycle of our products allowing us to provide unparalleled support to our clients from training to maintenance.

With ex-military pilots and experts in aeronautics, we can give operational and piloting training tailored to your domain.

As for maintenance and after-sales, our engineers and technicians provide a complete support for your drone so it can always be operational.



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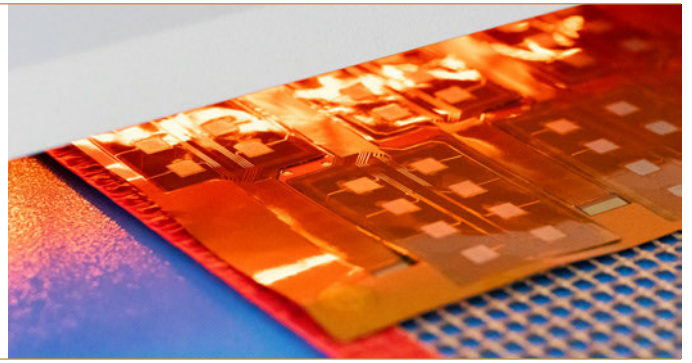
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# NANOMADE

Nanomade ultrasensitive deformation sensors enable any type of structure to become interactive, offering innovative solutions such as **advanced HMI** (metal touch, robust force & touch interfaces), **health parameters monitoring** (non-intrusive and on real time) and **structure health monitoring** (predictive maintenance & risks mitigation) for various industries such as consumer electronics, defense or automotive.



## HMI (FORCE & TOUCH SENSORS)



Nanomade ultra-sensitive force sensors turn any surface — metal, glass, fabrics... — into a rugged, invisible HMI. Protected behind the material, they remain reliable with gloves, moisture or water, while enabling a natural and trusted user experience with high-resolution haptic feedback and light effects (being transparent). To improve reliability and safety, Nanomade CapaForce® sensors combine Force & Touch functions on a same sensor, eliminating any false activation.



## PULSE



Nanomade health monitoring sensors capture micro-deformations of the body to track vital signs in real time, without intrusive devices. Integrated into seats, beds or wearable equipments, they can monitor heartbeat, breathing, posture and physiological changes for pilots in vehicles, hospital patients or rescue teams, providing continuous insights while preserving comfort and mobility.



## STRUCTURAL HEALTH MONITORING (SHM)



Nanomade structural deformation sensors enable real-time monitoring of strain, impact and damage across critical defense assets. Integrated into vehicles, aircraft, drones, ships, protective equipment or infrastructure, they can detect micro-deformations, shocks or fatigue before failure occurs. Their high sensitivity, strong signal-to-noise ratio and low power consumption make them suitable for predictive maintenance, mission safety and continuous structural health monitoring in demanding environments.



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# PARROT DRONES SAS

*Parrot is Europe's leading commercial micro-UAV group.*

*With a **strong international presence**, Parrot designs, develops and markets a comprehensive range of high-performance micro-UAVs, purpose-built for Defence Forces, Public Safety, and Government Agencies.*

*The **ANAFI UKR range of micro-UAVs** sets the standard for tactical ISR missions, combining compact design, field-proven robustness, and rapid deployment. It has been engineered to meet the demanding requirements of tactical Intelligence, Surveillance and Reconnaissance (ISR) missions.*

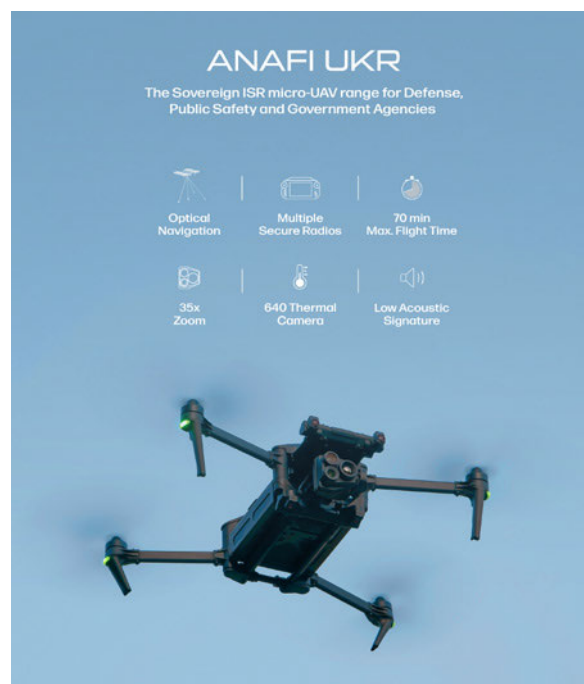
## ANAFI UKR



The ANAFI UKR range is a **family of compact ISR micro-UAVs** built to meet the critical demands of field operations, from defense theatres to public safety missions.

Designed to remain fully operational in **GNSS-denied conditions** and **contested electromagnetic environments**, the system integrates advanced optical navigation, antijamming and antispoofing with frequency hopping military radio (MARS), 5G connectivity, and hardened cybersecurity architecture.

ANAFI UKR UAVs embed a dual EO/IR stabilized gimbal with 35x zoom RGB camera + 640 thermographic sensor, and offer an autonomy of up to 70 minutes and a maximum flight distance of 40 km, plus a Remote Antenna configuration and an advance SDK program.



## CHUCK 3.0



CHUCK 3.0 is the **Sovereign AI autopilot** that turns any UAV platform into a high-performance system.

Empowering OEMs with **advanced AI** including real-time optical navigation for **GNSS-denied environments**, RGB & Infrared stabilized imaging, **jam-resistant and spoof-proof multiband radio**, 5G connectivity, and an open-source SDK, CHUCK 3.0 is designed to seamlessly integrate with quadcopters, VTOLs, fixed-wings, helicopters, or hybrid UAVs.

Thanks to its simplified integration, advance SDK program and trusted 100% non-Chinese component base, CHUCK 3.0 lets UAV manufacturers accelerate development while bolstering overall supply-chain resilience.



# Parrot

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# PROENGIN

*Proengin is a recognized expert in CBRN detection, delivering universal, highly sensitive solutions with rapid response times. Based on flame spectrophotometry, Proengin technologies operate without libraries or inlet filters, enabling detection of all threats in all their forms, including aerosols. Designed for ease of integration and use, these solutions are ideally suited for robotic sensing applications. Integrated on drones and robotic platforms, they provide high-performance remote detection and early warning capabilities, contributing to complete situational awareness in complex and high-risk environments.*

## LOW-SWAP CBRN DETECTION PAYLOAD



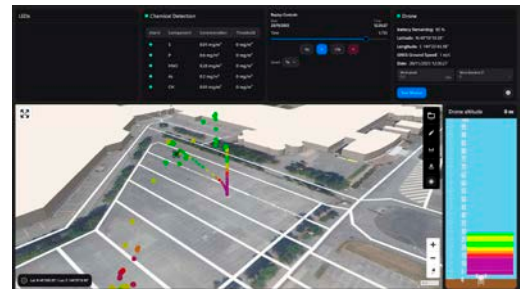
Portable detectors integrate across platforms with a 2–4 kg payload capacity, leveraging an open architecture and a compact, low-SWaP design suited to both airborne and ground-based systems. These solutions enable real-time gas, vapor and aerosol detection while maintaining high sensitivity, including on-the-move operation. Proengin has developed dedicated integration accessories to support optimal detection in dynamic environments. Continuously tested and improved, these systems are already deployed in over 70 countries, providing strong credibility for drone operators and robotic integrators entering the CBRN domain. Proengin supports both direct integration by platform operators, and integration via prime contractors within larger system programs.



## ROBOTIC CBRN DASHBOARD - PROENGIN SHIELD



The Proengin SHIELD platform enhances robotic sensing capabilities by providing real-time data transmission and visualization tools. Operators benefit from real-time mapping, supported by embedded cartography and standardized communication protocols validated across multiple platforms. The system delivers a complete operational picture, combining detection data, concentration levels, and threat localization with platform-specific information such as drone or robot position, altitude, and perimeter delineation. This integrated approach significantly improves situational awareness and supports informed decision-making during missions.



## RAPID CBRN INTEGRATION & INTEROPERABILITY CAPABILITY



Proengin SHIELD simplifies the integration of CBRN detection payloads onto multi UAVs platforms through embedded modules and open architecture interfaces, significantly reducing engineering effort and deployment timelines. Compatible with a wide range of drone platforms, the system enables rapid fielding of real-time CBRN detection capabilities while preserving flight stability, payload flexibility, and operational interoperability. This approach supports fast deployment for inspection, reconnaissance, and hazardous area assessment missions in civilian and military environments.



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# SAFRAN ELECTRONICS & DEFENSE

*Safran Electronics & Defense is a global leader in high-technology solutions for aerospace, defense, and space markets. With over 19,000 employees worldwide, the company designs and delivers cutting-edge systems and equipment that enable civil and military customers to observe, decide, and guide missions across land, sea, air, and space domains. Safran Electronics & Defense combines deep technological expertise with strong program management to support sovereign capabilities and operational superiority.*



WARBLER © Ooshot

## REDEFINING MEDIUM-RANGE LOITERING STRIKE CAPABILITIES FOR HIGH-INTENSITY OPERATIONS



In today's rapidly evolving battlespace, armed forces require strike systems capable of operating beyond the front line, in contested and electronically challenged environments, while maintaining tactical agility, precision, and operational sovereignty. Developed by Safran Electronics & Defense, the WARBLER answers this challenge with a new generation of medium-range loitering and one-way munitions designed for high-intensity conflict.



WARBLER © Ooshot

Built on decades of expertise in unmanned aerial systems, WARBLER benefits from Safran's proven capabilities in autonomy, navigation, optronics, mission systems, AI, and resilient data links. The system draws on the heritage of combat-proven UAV programs developed for the French Armed Forces and operated by NATO users.

Designed to combine operational flexibility with high-end performance, WARBLER belongs to the 20 kg class and offers engagement ranges from 50 to 150 kilometers depending on the mission profile. With up to 90 minutes of endurance, it provides persistent surveillance and strike readiness over the target area.

WARBLER has been specifically engineered for operations in highly contested environments. Its fully autonomous navigation system operates independently from GNSS signals, ensuring strong resilience against jamming and electronic warfare threats. Once launched toward a designated kill box, the munition autonomously performs navigation, target search, detection, identification, and classification using onboard intelligence, significantly reducing operator cognitive workload. Human control nevertheless remains central, with the operator retaining authority over final strike authorization.

The system's dual operational concept provides significant tactical versatility. In loitering mode, WARBLER delivers persistent ISR and precision strike capability against moving or time-sensitive targets. In one-way strike mode, it can conduct deep attacks against pre-identified objectives at extended range, enabling rapid engagement of high-value targets in denied areas.

WARBLER also offers highly flexible deployment options. The system can be launched by dismounted forces, integrated onto ground vehicles, deployed from naval platforms, or employed as an air-launched effect from helicopters and drones. Its canister-launched architecture simplifies field operations while enabling rapid deployment across operational scenarios.

Another major advantage lies in WARBLER's swarming engagement capability. The system can operate individually or in coordinated salvos, allowing multiple munitions to synchronize actions, saturate enemy defenses, expand area coverage, and maximize mission effectiveness.

Artificial intelligence is embedded throughout the system architecture. From mission preparation and automated self-check procedures to autonomous flight and onboard target recognition, AI-enhanced functions accelerate decision-making and reduce operator workload while preserving human-in-the-loop control.

Designed and manufactured in France, WARBLER reflects Safran's sovereign industrial approach, supported by a fully integrated production organization and controlled supply chain. As loitering munitions become increasingly decisive in modern high-intensity warfare, Warbler stands out as a sovereign, resilient, and combat-ready solution tailored to the evolving requirements of allied armed forces.



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# SBG SYSTEMS

*SBG Systems designs and manufactures high-performance inertial navigation solutions for defense applications. Our compact, rugged IMUs and INS provide precise positioning, navigation and attitude data in GNSS-denied or contested environments, enhancing situational awareness and mission effectiveness across land, naval, airborne and autonomous defense platforms worldwide.*



## STELLAR-40 INS



SBG Systems' latest flagship for defense and mission-critical applications, Stellar-40, is a tactical-grade Inertial Navigation System engineered to perform where conventional navigation fails. Designed for land, air, and marine platforms, it integrates a tactical-grade IMU, a GNSS receiver, and advanced sensor fusion algorithms within a compact and rugged enclosure. OpenPR



Stellar-40 is built around two core defense requirements: mechanical resilience and electronic warfare resistance. A three-level vibration mitigation architecture — combining dampers at the IMU sensor level, a resonance-free enclosure, and custom external dampers — isolates the unit from harsh vehicle dynamics. Hydro International Against electronic threats, the system incorporates a high-performance GNSS receiver with active mitigation against jamming and spoofing, and relies on multi-sensor fusion and dead-reckoning capabilities when GNSS signals are degraded or unavailable — ensuring that loss of signal does not mean loss of situational awareness.

## PULSE-40 IMU



Pulse-40 is a miniature 6DoF tactical-grade IMU embedding low-noise MEMS gyroscopes and accelerometers, designed to deliver optimal performance in all conditions without compromise on SWaP. Pulse-40 it achieves tactical-grade performance in a form factor suited to size-constrained platforms including UAVs, guided munitions, and embedded weapon systems.



## ELLIPSE-D INS



Ellipse-D is a compact inertial navigation system with integrated GNSS, engineered for demanding defense applications. It delivers reliable position, velocity, and orientation data through advanced sensor fusion algorithms, ensuring operational continuity even in GNSS-denied or jammed environments. Its small footprint and low power consumption enable seamless integration into land, naval, and aerial platforms, including UAVs and embedded systems. Ellipse-D enhances navigation, stabilization, targeting, and situational awareness, providing armed forces with accurate and dependable data critical to mission success in contested and dynamic operational theaters.



# SOFRAME

Soframe develops, manufactures, and supports **high-performance tactical mobility and logistics platforms for global defense and security applications.**

*Building on a legacy of innovation (formerly Lohr Défense), Soframe combines French engineering excellence with strategic international partnerships to deliver durable, reliable solutions tailored to the most demanding operational environments.*

*Positioning itself as a key player in battlefield robotization, Soframe transforms industrial armoring expertise into high-performance, remotely operated platforms. From exploring hostile terrain to secure transport, our UGVs provide unprecedented tactical flexibility. By integrating remote command systems with proven robustness, Soframe enhances operational precision while maximizing crew safety.*

## HE 441



HE441 is a light, 4x4 all-terrain vehicle designed as a multi-mission platform with an open cab. It is highly versatile, operating as either a manned vehicle (for a crew of 1 to 3 people) or as a remote-controlled system. It features an electric transmission with four in-wheel motors, offering a range of 400 km or 10 hours of operation, with an optional range extender available.

The vehicle has a GVWR of 2.2t, measuring 3550 mm in length and 1330 mm in width. It allows for near-real-time configurability to adapt to specific payload and mission requirements.



## FARDIER MK2



Fardier MKII is a versatile, multi-mission all-terrain platform engineered for operations in hazardous environments. Powered by a thermal engine with hydraulic transmission and a 4x4 all-wheel steering system, it ensures exceptional maneuverability and robust off-road capability. With a GVWR of 3.5t and an operational range exceeding 12 hours, it is built for long-duration sustainability. For maximum safety, the vehicle can be towed or remotely controlled, enabling operators to conduct high-risk tasks from a distance. Compact and powerful, it is an adaptable asset for diverse military scenarios.



## RHEINMETALL CXT2



Part of the Mission Master family of autonomous ground vehicles, it is designed to support troops in extreme environments. Its hybrid diesel-electric propulsion, all-terrain mobility, and amphibious capabilities enable silent operation and transport of payloads up to 1000 kg over 450 km (including 50 km on electric power). Equipped with modular payloads, the CXT2 is powered by Rheinmetall's PATH autonomy kit and networked with their soldier system. Its compact design allows internal transport in various aircraft, while its robust construction ensures operation in harsh conditions.



## AUROCHS 2



Aurochs 2, developed by the French-German Research Institute of Saint-Louis (ISL) and manufactured by Soframe, is an advanced unmanned ground vehicle designed for military operations. Its adaptive suspension, silent electric propulsion, and GPS-free navigation via computer vision allow for exceptional mobility and covered operations in denied environments. Equipped with an optional Remote-Controlled Weapon Station (RCWS), the system can be operated remotely via a tablet, enabling fire support missions while significantly reducing soldier exposure. By enhancing precision and response times, the platform demonstrates the full potential of joint human-machine operation in modern warfare.



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# SOGECLAIR LAND SYSTEMS

**SOGECLAIR LAND SYSTEMS (ex SERA Ingénierie) supports its customers as an expert in mobility and land robotics.**

*Our company leverages extensive expertise in architecture, static and dynamic simulation, and vehicle behavior. Building on our experience in motor racing, SOGECLAIR LAND SYSTEMS has developed versatile know-how in the design and manufacture of rolling systems (cars, trucks, tractors, UGVs...) and offers solutions tailored to civil, industrial/ agricultural, or military applications.*

*We are involved in all stages of the product lifecycle, from concept research to qualification, offering a comprehensive range of services including design and calculation, performance evaluations, component integration, ground link, power transmission sizing, manufacturing, testing, and certification.*

## REMOTELY OPERATED GROUND VEHICLES

Discover PHOBOS, our modular robotic vehicle, the result of 10 years' development. Designed around mobility, autonomy, and modular architecture, it offers exceptional versatility.

With a net weight of less than two tonnes and a payload capacity of one tonne, PHOBOS can accommodate a variety of tools and sensors for surveillance, acquisition, reconnaissance, and armament missions.

Equipped with a four-wheel-drive system and reinforced suspensions, it can navigate at high speed on all types of terrain, easily following the tracks of armored vehicles. Its internal combustion engine and large fuel tank provide the necessary power for all onboard equipment, while its modular design allows it to be adapted into hybrid or electric versions.

### KEY CHARACTERISTICS

- 45 km/h remotely operated (80 km/h trailed) / Transmission 4WD / 4WS
- 72 hours of raw autonomy / Diesel engine (diesel, jp8 or jetfuel)
- 3000 kg (GVW\*) – 1000 kg payload
- Slope: 60% / Side-slope: 40%

\*GVW: gross vehicle weight

### MODULAR PLATFORM CAPABLE OF INTEGRATING DIFFERENT TYPES OF MISSION MODULES

- Minefield breaching / Logistics mule
- Weapon systems / Casualty evacuation
- Reconnaissance systems / Combat engineering

### A PRODUCT RANGE APPROACH DESIGNED TO ADAPT TO CUSTOMER NEEDS

#### PHOBOS-XT

Performance:

- Weight: 4,000 KG / Payload: 1,750 KG
- Speed: > 60 km/h / Gradient: 60%
- Side slope: 40% / 4x4

#### PHOBOS- T

Performance:

- Weight: 3,000 KG / Payload: 1,000 KG
- Speed: 45 km/h / Gradient: 60%
- Side slope: 40% / 4x4

#### PHOBOS- L

Performance:

- Weight: 3,000 KG / Payload: 900 KG
- Speed: 10 km/h / Gradient: 19%
- Side slope: 10% / 4x4



# SURVEY COPTER

*Survey Copter is a French company founded in 1996 in Pierrelatte, specializing in the design, production, and maintenance of civilian and military drone systems. Its products include fixed-wing and rotary-wing UAVs, ground control stations, and autopilots. Since 2011, the company has been part of Airbus and, since 2025, Airbus Helicopters, strengthening its industrial and technological capabilities.*

## CAPA-X



Capa-X is a modular UAS designed for civil and military missions. Rapidly deployable by two operators in under 20 minutes, it performs surveillance, reconnaissance, and intelligence tasks using EO/IR, SIGINT, AIS, or custom payloads. With a maximum takeoff weight of 120 kg, a payload capacity of 20 kg, and up to 10 hours of endurance, it features hybrid propulsion, VTOL capability, anti-jamming protection, and operation in both LOS and unlimited BVLOS environments



Capa-X Survey Copter

## ALIACA



Aliaca VTOL is the only certified naval UAS, in service with the French Navy since 2022. This Group 2 light tactical UAS performs ISTAR missions at sea and on land, delivering real-time surveillance, intelligence, and target acquisition. Designed for military and civilian operations, it is robust against harsh maritime conditions, electromagnetic interference, and jamming. Rapidly deployable by two operators, it offers up to 6 hours of endurance, VTOL capability, GNSS-denied navigation, and low visual and acoustic signatures.



Aliaca Survey Copter



## ***Integrating drones and robots on the battlefield to multiply engagement efficiency.***

*Thales's AI-powered drones and robots deliver essential real-time imagery and electromagnetic intelligence, enable artillery strikes via loitering munitions, conduct CBRN reconnaissance and decontamination, and clear mines autonomously in challenging conditions.*

*By combining drones of different types into autonomous swarms, their efficiency is multiplied while reducing both the cognitive burden on operators and the number of operators required.*

### **AI-AUGMENTED ISTAR CAPABILITIES FOR ARMoured UNIT**



Thales' AI-augmented ISTAR drone systems (e.g., Companion Drone Squadrons) enhance armored units' situational awareness, threat detection, and decision-making via real-time data fusion, modular drones, and COSITA (AI-powered analytics).

Integrated with OpenDRobotics and secure communications, these solutions reduce risks (2–5x survivability), cut costs (25% fewer vehicles), and streamline operations (3x less manpower).

A pillar of digital land combat, Thales' interoperable, AI-driven platforms—tested in exercises like CoHoMa and BoldQuest 2024—enable scalable, resilient, and future-proof mission capabilities.



### **MULTIPLICATION OF EFFECTS AT LOW MARGINAL COST USING ISR DRONES AND LOITERING MUNITIONS**



Thales' swarming drones and loitering munitions enable smarter, faster, and scalable battlefield effects by deploying coordinated ISR and strike missions with minimal operator burden.

Modular platforms with interchangeable warheads (e.g., anti-armor, fragmentation) and AI-driven autonomy allow adaptive responses, reducing logistical complexity while maintaining precision.

The unified, drone-agnostic C2 system ensures seamless control, low electromagnetic exposure, and resilience—even in degraded environments—multiplying effects without multiplying risks or costs.



### **ORCHESTRATING THE USE OF TACTICAL DRONES AND ROBOTS ON THE BATTLEFIELD**



Thales' Combat Digital Platform (CDP) revolutionises battlefield operations by seamlessly integrating tactical drones and robots into manned-unmanned teaming (MUM-T).

With open architecture, modular mission kits (ISTAR, CBRN, logistics), and hybrid communications (4G/5G, SYNAPS radios), the CDP enables scalable control of hundreds of UxVs, reducing operator workload while ensuring operational continuity in contested environments—validated at TRL 8 by NATO forces like France and Canada.



# TNS-MARS

*tns-MARS, the joint venture between THALES, KNDS and SAFRAN, is a centre of excellence dedicated to air-land collaborative combat.*

*tns-MARS delivers an end-to-end vision of air-land collaborative combat by developing innovative products and tools, supported by comprehensive System-level architectural studies.*

*tns-MARS designs and evaluates collaborative combat algorithms, assesses their performance and builds specialised operational databases.*

## BIGBOSS: THE AIR-LAND COMBAT SIMULATOR



BIGBOSS is a constructive simulation tool dedicated to System of Systems (SoS) engineering and the modelling of their constituent parts.

It has been developed to support engineering activities relative to air-land collaborative combat.

It can be used for:

- Understanding the collective behaviour of a set of platforms, such as a platoon, a section or a joint battle group (GTIA), over the course of simulated operational timelines, and exploring doctrines of use,
- Assessing System performance during specification and design phases
- Developing, validating and assessing algorithms for collaborative combat
- Producing synthetic content, such as annotated images or geo-referenced data, for AI training, in particular for detection, decision support and autonomous platform models.

BIGBOSS simulates the deployment and operation of infantry units, vehicles, robots, drones, each equipped with highly configurable sensors and effectors.

Digital exchanges between platforms are modelled through a simulated communication network, enabling analysis of representative collaborative behaviours.

Platforms and crews' behaviours are dynamically simulated using advanced behavioural models.

BIGBOSS also includes a results analysis tool designed to convert raw simulation data into actionable performance metrics tailored to the objective of each study.



## COLLPRO BY TNS-MARS: COLLABORATIVE PROTECTION



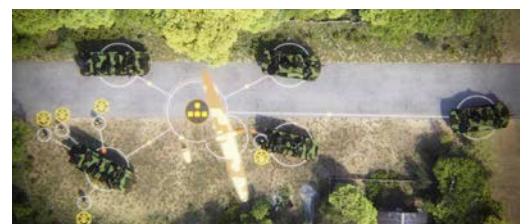
CollPro is a set of fusion and countermeasure algorithms designed to enable the self-protection of vehicles under attack, autonomously or cooperatively. It allows friendly forces to rapidly regain tactical superiority following unexpected attacks.

### Key capabilities

Based on attack detection collected by on-board sensors, CollPro enables:

- Real-time sharing of detections between friendly vehicles
- Fusion of detections to identify and precisely locate threats
- Optimise the collective response by:
- Providing recommended and alternative countermeasures, ranked by relevance according to the tactical context and each platform available capabilities (without requiring additional radio communication).
- Allocating a maximum number of threats to each friendly vehicle

Countermeasures are proposed almost instantaneously once threat locations is identified, ensuring rapid self-protection and effective retaliation..



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## SYCOA (DATA COLLECTION AND ANALYSIS SYSTEM)



SYCOA (Data collection and analysis system) is a system for assisting in the assessment of System of Systems performance and the management of collaborative operations within an Air-Land constituent.

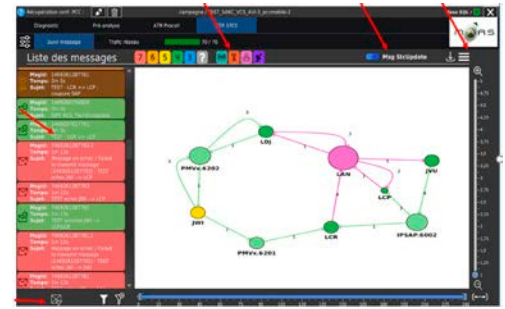
It is designed to facilitate technical and operational assessments during and following test and training phases involving all or part of an Air-Land Component. Assessments can be enhanced by a combination of real and simulated nodes.

SYCOA includes:

- A 'Data Collection' component, using sensors to gather information at key points in the System. The data is stored in a database for further processing. Some of the data collected can also be displayed live, enabling real-time monitoring of the operation in progress.
- An Analysis component that provides automated tools for analysing the collected data, validating performance and identifying malfunctions in the System of Systems.

In addition to being used for assessing performance, SYCOA can also be used to:

- Analyse the operational use and adoption rate of the OIS features made available to users
- Build operational databases for development, training and tuning of algorithms.



## COMPLEX SCENARIOS SIMULATION



# TRAAK

## **TRAAK - Where no one else can**

TRAAK is a French startup specialised in the development of innovative geolocation and biometric tracking solutions for challenging environments. Conceived entirely in France, TRAAK's products range provides innovative and polyvalent solutions where conventional solutions reach their limits.

TRAAK can meet all the needs of military units and law enforcement agencies including outdoor and indoor settings and in environments where GPS is jammed or inoperable. Our expertise encompasses the full range of geolocation technologies, including jamming- and decoy-resistant capabilities, ensuring data generation and communication even in the most complex situations.

## BASILIK



### **Navigate without GNSS. Even under jamming.**

**BASILIK** is a solution suite for autonomous drone and robot navigation in GNSS-denied environments. Fusion of multiple independent positioning sources, with no dependency on satellite, WiFi or cellular networks.

No single source. No single point of failure.

BASILIK fuses multiple independent positioning and navigation sources in real time. If one is jammed, degraded or absent, the others maintain navigation continuity.

### **One objective: mission continuity**

- VIO - Visual-inertial odometry: camera and 9-axis IMU fusion for positioning in constrained environments.
- VNS - Vision Navigation System: scene recognition and landmark matching for referenced navigation.
- IMU, Barometer · Anemometer - Inertial measurements, absolute altitude and airspeed for 3D navigation in confined or feature-rich environments.
- RF - Multiple radio sources for positioning in contested or degraded electromagnetic environments, including opportunistic RF sources.
- Resilient GNSS - Integration of military-grade, EW-resilient GNSS receivers to preserve satellite navigation capabilities as long as possible.

### **Use cases**

- GPS-Denied - Drone in jamming zone ISR or strike mission in an active electronic warfare zone - BASILIK maintains autonomous navigation without GNSS.
- Underground - Robot in tunnel or bunker Logistics, exploration or neutralisation in GPS-denied environments - underground galleries, urban canyons or active EW zones. BASILIK ensures mission continuity without infrastructure.

### **Open architecture. Scalable integration.**

BASILIK can leverage TRAAK's embedded sensors or integrate UAV/UGV onboard sensors when performance gains justify it, through an open architecture interface.

Scalable across all drone sizes and available from a low unit cost, BASILIK is also suited for cost-effective one-way effectors.

# BASILIK



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# TYNDALL FX

*Tyndall FX is a French deeptech building the sovereign spatial intelligence platform for autonomous drones and robotic platforms. Our software turns any UAV's live video into real-time 3D maps and AI analytics, directly on the field – no cloud, no satellites, no LiDAR. Three products: Terramind (real-time 3D), Geomind (sub-5 m positioning without satellites) and Terraswarm (multi-drone fused 3D). Drone-agnostic – including NATO STANAG 4609 and MAVLink – with an open API for C2 and GIS integration.*



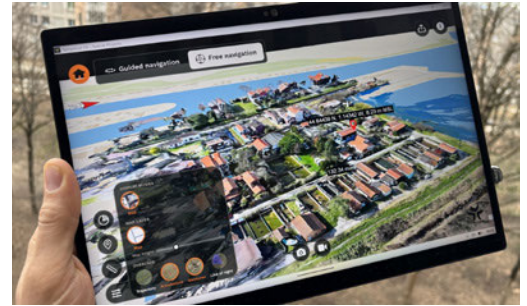
## TERRAMIND



**Terramind** turns any compatible UAV's live video into a real-time, photorealistic **3D model** and **elevation map** of the operating area. Embedded AI detects and tracks people, vehicles and other UAVs directly on the live 3D scene — on-field, on the operator's tablet, with **no cloud and no LiDAR**.

Use cases — **Tactical reconnaissance**: a navigable 3D scene and line-of-sight analysis replace flat video, supporting mission preparation before engagement. **Damage assessment**: quantify rubble volumes, gap widths and access-route slopes with **sub-2% accuracy** on 3D distances, surfaces and volumes. **Drone scout for ground robots**: georeferenced terrain and elevation maps give UGVs the ground truth they need to plan safe approach paths before deployment.

Live 3D quality feedback during flight eliminates failed reconstructions and re-missions. **STANAG 4609** and **MAVLink** compatible, runs on off-the-shelf drones and standard Windows tablets. Open **REST API** and georeferenced exports (3D Tiles, GLB/OBJ, GeoTIFF) for native integration with C2, GIS and robotic mission systems.



## GEOMIND



**Geomind** is mission-critical localization software that delivers **sub-5 m drone positioning** in GNSS-denied, jammed or contested environments — using only the drone's embedded sensors (camera, IMU, barometer). **No satellites, no LiDAR, no servers.**

When satellites fail, the mission keeps going. Geomind continuously fuses sensor data to maintain accurate positioning where GNSS cannot be trusted — indoors, in urban canyons, under jamming or after spoofing. Runs today on a portable ground terminal at the operator's side, designed for onboard UAV deployment. Natively compatible with Terramind, Geomind feeds georeferenced positions so the 3D scene stays anchored to real-world coordinates even without GNSS. Also integrates with autopilots, ground-control stations, C2 and GIS systems via standard interfaces.



## TERRASWARM



**Terraswarm** is a **multi-drone software platform** that merges the live video feeds of several drones into a single, shared **3D operational picture** — built collaboratively on the field, with zero server dependency.

Each drone contributes to a common 3D model in real time, expanding coverage and accelerating area reconnaissance. Operators interact with one unified scene instead of switching between separate video feeds while AI-based detection operates across the fused 3D environment.

Powered by the Terramind engine, Terraswarm extends its capabilities from single-drone operation to operational swarms. Drone-agnostic, compatible with STANAG 4609 and MAVLink, and featuring open APIs for integration with C2, GIS, and mission-planning systems.



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# UNAC

UNAC designs and manufactures specialized vehicles for the Defense sector. Based in France, the company controls the full industrial cycle: design, development, serial production, and operational readiness support. Its compact and modular platforms, as well as its engineering vehicles, are built to operate in demanding and constrained environments. UNAC designs vehicles tailored for mobility, support or engineering missions. UNAC specialises in the design of vehicles that can be airtransported, airdropped, helitransported under sling, robotic or armoured. Its design philosophy prioritizes robustness, mechanical simplicity and field reliability. An integrated industrial base enables rapid adaptation to customer requirements and controlled production, both in series and for specific mission-oriented programs.

## RIDER-UGV



The RIDER-UGV is a modular unmanned ground robotic platform developed on the qualified RIDER chassis — 300 vehicles awarded to UNAC by the DGA. This industrial maturity enabled UNAC to win the ROBIN contract (34 systems), demonstrating the platform's ability to integrate complex mission equipment. The RIDER-UGV generalizes this logic: on a single chassis, qualified and supported, a wide range of equipment can be plug & operate — teleoperated fire support module, ISR sensors, CBRN module, communications relay, logistics platform, MEDEVAC module. A single and qualified platform for a broad spectrum of roles



## ROBIN



ROBIN (ROBot for INvestigation) is a teleoperated ground-based robotic system. Developed from the RIDER qualified rolling base, common to all UNAC robotic solutions. It relies on remote operation with the operator in the decision-making loop, and on an adaptable communication architecture (radio or fibre optic) depending on the operational context. Equipped with optical sensors and a robotic arm, ROBIN enables observation, inspection and interaction with the environment to ensure the safe passage of a convoy. Designed as a specialised operational tool, ROBIN prioritises ease of use, robustness and reliability in real-world operational conditions.



## RIDER-UGV-WRS



The RIDER-UGV-WRS is the fire-support configuration of the RIDER-UGV platform. It integrates a remote weapon station fitted with a 12.7 mm machine gun, mounted on the same qualified platform. This configuration demonstrates the platform's capacity to receive mission-specific equipment while preserving mobility, remote operation and support commonality.



## RIDER-UGV-LOG



The RIDER-UGV Logistics configuration is dedicated to load carriage and forward support with a payload capacity of 1 ton. Built on the same RIDER-UGV platform, it enables the transport of equipment, ammunition, supplies or mission kits while reducing the burden on deployed operators. Same platform. Same support chain. A logistics role integrated into the platform from the start.



VITEC, a major player in Intelligence, Surveillance, and Reconnaissance (ISR), provides proven solutions for video acquisition, distribution, visualization and archiving for military and government environments. Faced with critical transmission challenges in the field, including limited satellite link bandwidth, we develop advanced interoperable video compression technologies. Our solutions ensure optimal image quality while significantly reducing operational costs (OPEX). Compatible with NATO STANAG 4609, they integrate metadata, high-definition visualization and secure sharing, including with allies and partners, for rapid exploitation and effective strategic decision-making. VITEC solutions deliver easy-to-use technology that ensures high-quality, low-latency HD video, capturing live and recorded events for seamless distribution in a multitude of formats anytime, anywhere, to any device.

## MGW DIAMOND TOUGH



The MGW Diamond TOUGH is a fanless quad-channel HEVC/H.264 encoder in a military-grade enclosure for ISR and situational awareness. It supports 4 SDI inputs, 8 outputs, AES encryption, STANAG metadata, and optional recording, available as an appliance or electronic card.



## PRISM SFF



PRISM SFF is a high-performance broadcast-grade transcoding system capable of real-time or file IP video transcoding. PRISM SFF enables content to be adapted to an optimal format for efficient delivery to any device within your ecosystem. It preserves KLV STANAG metadata, making it ideal for government and defense applications where ISR and FMV content must be compressed without degrading the video quality. It supports a full suite of advanced video codecs and streaming protocols, enabling high-quality output across LAN, WAN, Wi-Fi, CDN, or public Internet. Its small form factor chassis is ideal for space-constrained environments such as portable racks, edge deployments, and tactical field kits.



## MGW PICO+ TOUGH



The MGW Pico TOUGH+ is a MIL-STD certified miniature HEVC/H.264 HD encoder for ISR and situational awareness in extreme conditions. It supports SDI/analog inputs, AES encryption, STANAG metadata, and optional recording, available as a rugged portable or a UHD/4K single board.



## EZ TV ISR DISSEMINATION SYSTEM



Information gathering is essential, and frequently commanders are faced with making critical decisions in a multi-domain theatre of operation or command center. EZ TV ISR is an end-to-end integrated FMV dissemination solution that addresses these complex challenges by effectively capturing, annotating, storing, and managing vital video assets and metadata from multiple remote sources, and distributing them across multiple network configurations. It enables government and military entities to quickly process and exploit live and recorded ISR videos to create actionable, real-time intelligence and clips for Return of Experience.



# XAP

*XAP is a French engineering company developing modular and adaptable embedded systems for drones, robotics and defence applications. We design and industrialise power, energy, telemetry and control architectures built for operational integrity, long-term maintainability and mission-specific deployment in demanding environments.*



## SIRIUS 20 MODULAR UAV PLATFORM



Modular UAV platform available in 3-arm, 4-arm (X or + configuration) and 6-arm architectures, designed for logistics, surveillance and mission-specific operations. The platform integrates embedded power electronics, telemetry, autonomous flight capabilities and adaptable payload integration for demanding operational environments.



## SIRIUS 50 HEAVY UAV PLATFORM



Heavy modular UAV platform available in 3-arm, 4-arm (X or + configuration) and 6-arm architectures, developed for extended-range logistics, defence and industrial missions. Designed around scalable architecture, high-power propulsion and adaptable payload integration for complex operational deployments.



## EMBEDDED TELEMETRY & SUPERVISION SYSTEM



Embedded telemetry and supervision platform enabling real-time monitoring, secure communications and operational data management for UAVs and autonomous systems. Compatible with mobile, remote and mission-critical environments.



## DEPLOYABLE ENERGY SUPPORT SYSTEM



Mobile energy storage and charging system designed to support UAV operations and autonomous deployments. The platform provides field power supply, battery charging and energy supervision capabilities for remote and demanding operational environments.



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