

DEFENCE

Training &
SIMULATION,
support & **LOGISTICS**

The CAPABILITIES



LOGISTIC SUPPORT

Solutions designed for the deployment, sustainment and protection of forces in theatre. Covers supply chain, transport, POL, maintenance support, recovery/evacuation and logistics information systems. Includes deployable services and infrastructure to ensure autonomy in austere environments. The focus is on readiness, continuity of operations and efficient resource management.



SOLDIER EQUIPMENT

Equipment designed to protect, sustain and enhance the performance of soldiers in the field. Includes individual and collective gear, clothing, load carriage, shelters and mission support items. Solutions focus on ergonomics, durability and compatibility with weapons, communications and power systems. Priorities are survivability, comfort and operational endurance.



SIMULATION SOFTWARE

Software for live, virtual and constructive simulation used for training, mission rehearsal and operational analysis. Includes scenario creation, synthetic environments, threat modelling, after-action review and interoperability frameworks. Solutions support multi-echelon training and complex joint exercises. Designed for scalability, fidelity and secure integration with training systems.



SIMULATION HARDWARE






Hardware enabling immersive and instrumented training, from classroom devices to full mission simulators. Includes VR/AR/MR equipment, simulators, training stations, sensory interfaces and data-capture instrumentation. Solutions support realistic human-machine interaction (HMI) and measurable performance assessment. Built for robustness, maintainability and repeatable training conditions.








TRAINING

Services and systems that deliver operational and technical training aligned with international and military standards. Includes course design, instructor support, training centres, qualification pathways and tailored programmes for specific missions. Solutions combine theory, practical exercises and evaluation tools to build autonomy and proficiency. The focus is on safe execution, skills transfer and rapid readiness.

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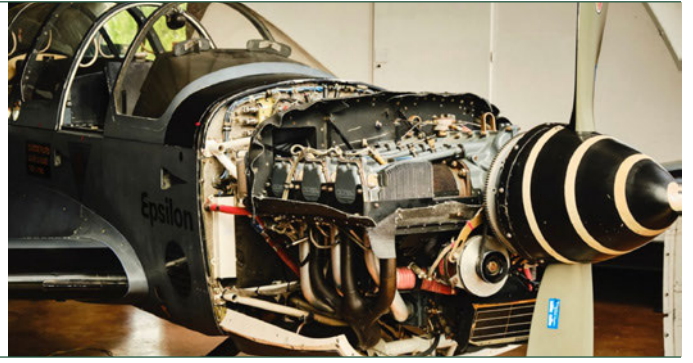
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AC-DISMANTLING

Committed to decarbonizing the aeronautical sector, we offer a complete solution for the removal, dismantling, and recycling of aircraft. Our mission: to provide solutions to the growing need for fleet renewal, the daily demand for affordable maintenance parts, and the challenges of sourcing strategic metals. We accept aircraft in flying condition or collect them for dismantling and recycling. Our on-site pre-dismantling strategy caters to needs of all sizes, including the recycling of professional drones, which are subject to confidentiality requirements.



OUR EXPERTISE AT THE SERVICE OF THE AEROSPACE INDUSTRY



Abandoned aircraft removal

AC-Dismantling handles the removal of grounded, damaged, or non-airworthy aircraft, wherever they are located. With specialized logistics and experienced teams, we ensure their safe transportation to our facilities or any destination designated by the client.

Certified spare parts sales

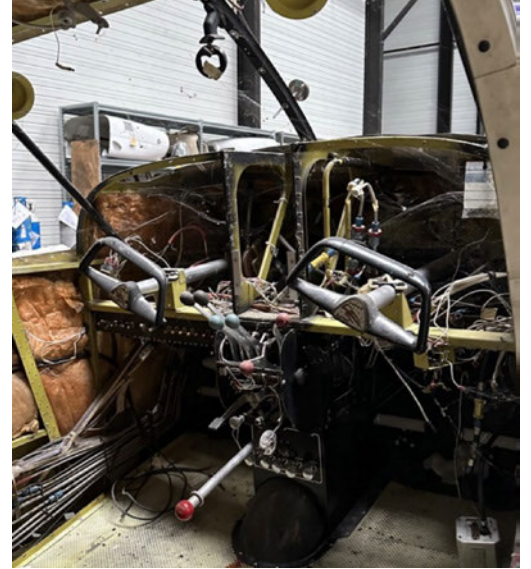
We recover, inspect, and store certified aircraft parts to ensure full traceability and compliance with industry standards. Our inventory enables operators, maintenance organizations, and aircraft owners to quickly access reliable, ready-to-use components.

Fleet dismantling & recycling

AC-Dismantling provides complete aircraft dismantling services in accordance with environmental regulations and aviation industry requirements. Reusable components are recovered for further use, while recyclable materials are processed through responsible and sustainable recycling channels.

End-of-life aircraft purchase

We offer aircraft acquisition solutions for assets that have reached the end of their operational life or are no longer economically viable. Following a technical and financial assessment, we provide a straightforward, efficient, and transparent process to maximize the value of your aircraft.



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BACHMANN RDS

*Specialised in **inflatable and metal-textile structures**, BACHMANN RDS is a **global leader in rapid deployment systems**, offering modular and robust solutions tailored to the most demanding environments. The company manages every stage of the development process for its solutions, **from design to commissioning**, in order to meet its clients' operational needs precisely.*

*Its structures are designed to **protect personnel and sensitive equipment** in challenging environments, serving the following sectors: **Defence & Security, Aerospace, industrial applications, humanitarian missions and NGOs**. Its expertise covers complete critical infrastructure, ranging from **command posts and technical hangars to turnkey camps and field hospitals**, and also includes specialised solutions for **camouflage, CBRN protection and anti-drone measures**.*

P RANGE - HANGARS



P Range hangars are modular metal-textile shelters offering reliable and durable protection for sensitive equipment in operational environments.

- Galvanised steel structure + PVC membrane for maximum durability
- Multi-equipment protection: aircraft, vehicles, ammunition
- Flexible installation: anchoring or self-ballasting
- Quick-release cap holder for simplified operational access
- Equipment: controlled humidity, gas detection, overhead cranes



MAC/MAHD - SHELTERS



MAC and MAHD shelters are textile-fabric solutions specifically designed for the maintenance and storage of sensitive equipment in operational environments.

- Aluminium frame + high-strength PVC membrane for robustness
- Suitable for equipment: aircraft, helicopters, drones, vehicles
- Quick assembly and optimised transport for efficient field deployment
- Large aircraft door (6.50 m) for easy and secure access
- Equipment: air conditioning, lighting, overhead crane, fire detection



BASE CAMP



Bachmann RDS has the capability to rapidly deploy turnkey camps in extreme weather conditions:

- A wide range of inflatable tents suited to every function within the camp
- Easy transport thanks to compact, optimised packaging
- Quick assembly in just a few days with minimal manpower
- Fully integrated camp: dormitory, mess hall, infirmary, command post
- Interconnection of modules to create coherent configurations



TXL - MAINTENANCE WORKSHOP



The TXL is a fully inflatable very large hangar offering ample space for maintenance and storage in operational environments.

- Large interior space to accommodate armoured vehicle or workshops
- Versatile maintenance & storage : vehicles & sensitive equipment
- Integrated track door for direct vehicle access
- Interconnectable corridors to link multiple hangars
- Quick and tool-free installation in half a day with no effort



BREN-TRONICS

Bren-Tronics, an EnerSys company, is a recognized expert in the design and manufacture of military-grade lithium-ion batteries and power systems. Since 1973, the company has supported defense forces with robust, safe and high-performance energy solutions for soldier systems, military vehicles and deployed units. All products are engineered to meet operational constraints, NATO interoperability requirements and extreme environmental conditions.



6-PACK



The Bren-Tronics 6-PACK Power System is a portable power system that runs on BB-2590 batteries. It's designed for military and expeditionary operations where sustained power is critical.

Key Features:

- Energy Capacity: 1.2 kWh up to 1.8 kWh (depends on the batteries used).
- Battery Configurations: Holds 1 to 6 BB-2590/U batteries (batteries not included).

Functions:

- Can operate as a UPS (Uninterruptible Power Supply).
- Works as a standalone battery unit.
- Functions as a power supply.
- Integrated Power Management: Includes features like DC input protection (prevents over-discharge), Maximum Power Point Tracking (MPPT) for solar input.
- Interfaces: SMBus v1.1 & SBDData v1.1 compliant; includes RS-485 Communication.
- Input Options: AC, DC, and solar.

Physical Specs:

Dimensions: 325 * 274 * 287 mm

Weight: 9 kg without batteries; approx.19 kg with six BB-2590 batteries.

Durability: Rugged, watertight container designed for harsh environments.

Performance Capabilities:

- **Runtime:** Capable of supporting continuous operation for over a week depending on power usage. It can also run indefinitely when connected to a power source (AC/DC/solar).
- **Applications:** Ideal for powering expeditionary Command & Control (C2) systems, communication gear, and electronics during tactical operations.



BB-2590/U BATTERY



The BB-2590/U is a military-grade, rechargeable Lithium-Ion battery widely used for portable power in military and tactical applications.

Key Characteristics: Rechargeable Lithium-Ion Battery

Voltage: Nominal 28.8 V

Capacity Variants: up to 10.3 Ah / 298 Wh for extended runtime.

Chemistry: Li-ion

Weight: Approximately 3.1 lbs (1.4 kg)

Dimensions: ~4.4 in (112 mm) x 2.4 in (61 mm) x 5.0 in (127 mm)



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CAPGEMINI

For more than 55 years, CAPGEMINI has supported defense organizations and industrial leaders in their business and technological transformation. Combining expertise in digital engineering, data, AI, cloud, cybersecurity, and simulation, CAPGEMINI helps armed forces and defense industries enhance operational readiness, resilience, and decision superiority in increasingly complex and contested environments.



BUILDING RESILIENT AND DATA-DRIVEN DEFENSE SUPPLY CHAINS



CAPGEMINI supports defense stakeholders in the transformation of logistics and sustainment operations through intelligent, secure, and adaptive supply chain solutions. In the context of high-intensity operations and multi-domain deployments, the Group develops next-generation logistics “control towers” combining real-time monitoring, IoT, AI, simulation, and digital twins.

These solutions enable operational visibility across personnel, equipment, spare parts, and supplies while improving planning, forecasting, transportation coordination, and mission support capabilities. CAPGEMINI also ensures the integration of logistics data into command platforms, enabling end-to-end traceability and faster operational decision-making.

Combining expertise in distributed architectures, critical systems integration, cybersecurity, and change management, CAPGEMINI helps defense organizations deploy scalable and resilient logistics ecosystems aligned with operational and sovereignty requirements.

As a long-standing partner of major defense organizations, CAPGEMINI has developed, operates, and continuously modernizes several Logistics and Maintenance Information Systems. These platforms support transportation planning and coordination while ensuring the technical and operational availability of critical defense assets and capabilities.



ACCELERATING OPERATIONAL READINESS THROUGH ADVANCED SIMULATION TECHNOLOGIES

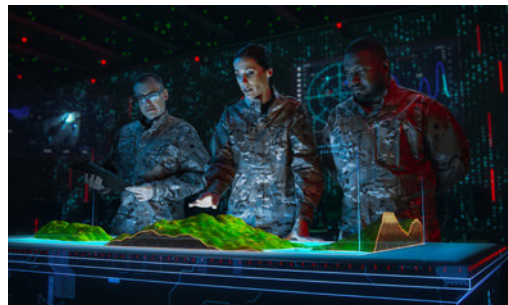


CAPGEMINI designs and deploys next-generation simulation environments supporting defense organizations throughout the lifecycle of systems, operations, and training activities. Leveraging expertise in digital twins, AI, cloud, immersive technologies, and model-based engineering, CAPGEMINI develops secure and interoperable simulation solutions tailored to operational requirements.

The Group supports requirements definition through wargaming and operational scenario analysis, enabling early evaluation of future capabilities and CONOPS. CAPGEMINI’s simulation software allows defense stakeholders to assess architectures and systems in realistic operational environments while integrating human factors, operational constraints, and multi-domain interactions.

CAPGEMINI also develops hybrid simulation and digital training solutions combining virtual environments with real systems, 3D models, physics-based simulation, and distributed architectures to improve operational preparation, validation processes, and personnel training.

Recent developments include leveraging GenAI and 3D technologies to create AI-Mentors, trained to impart technical knowledge in an informal and contextualized manner, offering more intuitive, personalized, and operationally efficient learning experiences compared to traditional LLM-based training approaches.



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CEGELEC DÉFENSE

Your partner for Defense & Security

50 years of service dedicated to the protection of strategic infrastructure and operational support.

A European leader in technology services, Cegelec Défense leverages its expertise to support major fixed and mobile hardened infrastructure projects for Defense and Security.

Our domains of expertise: Protection & Security • Infrastructures & Networks • Mobile & Deployable Solutions • Mechatronics • Information Systems • Cybersecurity • Electromagnetic Control.

Specialists in Kinetic, EMP, CBRN, TEMPEST & CYBER protection.

MOBILE COMMAND POST AND OPERATION CENTER

Description of the solution

This standalone expandable commodity provides the full command and control environment for 20 operators with minimal logistic footprint and a high flexibility based on 20ft housing containers, the shelter deploys up to 6 cells to offer a fully connected 90 m² workspace.

This battle proven solution has been fielded in relief operation as well as numerous global armed forces and security deployments.



Strengths

A 100% french solution used by the Armed and Security Forces purposes, Rapid deployment in emergency or crisis situations, Customization of the solution with extensive options, An integral pre-equipped solution with power, CIS, lighting and HVAC

Technical description

- A standalone unit comprising : 20 ft ISO shelter in transport/storage modes, All modes of transport (Air, Land and Sea)
- 7 customization options : Power generator, Power backup, Additional heating / cooling for deployments, Generator set, Optical fiber network, Adaptable layout and full open space, CBRN and COLPRO capable
- Training services : Deployment and training of technicians and operators



CMA CGM

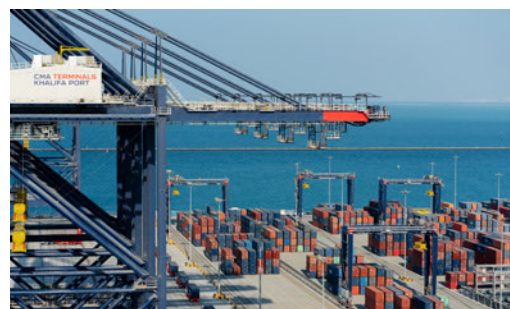
As a global player across sea, land, air and logistics solutions, CMA CGM provides reliable and secure transport services for military goods, dual-use items and hazardous materials, in full compliance with the highest standards.

With over 10 years of expertise, dedicated teams operate across Europe, Asia, Oceania, the Americas and Africa, ensuring efficient and seamless global services.



END-TO-END EXPERTISE FOR YOUR CARGO

- Containerized, out-of-gauge and special cargo
- Operational excellence through strong standards and strict compliance with local regulations
- Tailor-made end-to-end transport solutions, combining 285 maritime services, an integrated intermodal network and air freight
- Global coverage across 177 countries, supported by a fleet of 700 vessels and a network of 420 ports



SPECIALIZED HANDLING OF DUAL-USE AND CLASS 1 CARGO

- Transport of dual-use goods (both civilian and military applications)
- Thorough risk assessment and full regulatory compliance through dedicated documentation
- Transport of Class 1 cargo (explosives, as defined by the IMDG Code), subject to specific conditions related to routing, countries and ports involved, hazard classification, and segregation requirements with other goods on board



CMA CGM AIR CARGO

In order to support you throughout your supply chain, the CMA CGM Group launched in March 2021 CMA CGM AIR CARGO, an operational and commercial division dedicated to air freight. This offer was reinforced in May 2025 by the cargo acquisition of the company Air Belgium.

This activity complements the solutions already proposed by the CMA CGM Group – maritime, intermodal and logistics – by offering our customers a flexible, coherent and complementary air alternative, perfectly adapted to your needs and the specificities of the current markets.



For shipments requiring full operational control and confidentiality, CMA CGM AIR CARGO also offers a dedicated charter solution. Tailored to the most demanding requirements, this service provides exclusive aircraft capacity, flexible scheduling and full operational including expertise in managing sensitive, dual-use, dangerous good forbidden forbidden and support from origin to destination.



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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.



MULTIMODAL DEFENSE LOGISTICS IN COMPLEX ENVIRONMENTS



Daher delivers comprehensive multimodal logistics solutions for defense operations, ensuring the secure transport of containerized equipment, rolling stock, food supplies, weapons, and all classes of dangerous goods by sea, air, and road.

We manage the chartering of all types of transport assets — aircraft, vessels, and trucks — as well as the management of overflight and landing permits. Our teams handle the stuffing, securing, and protection of cargo, storage in secured warehouses, and the rigorous implementation and monitoring of customs and administrative formalities.

Through strategic planning and close coordination with armed forces and local authorities, Daher is able to deploy dedicated teams in conflict zones, organize convoys with armed escorts, and ensure full strategic oversight. All handling operations are managed using our own equipment and resources, guaranteeing controlled, reliable, and secure operations in the most demanding environments.

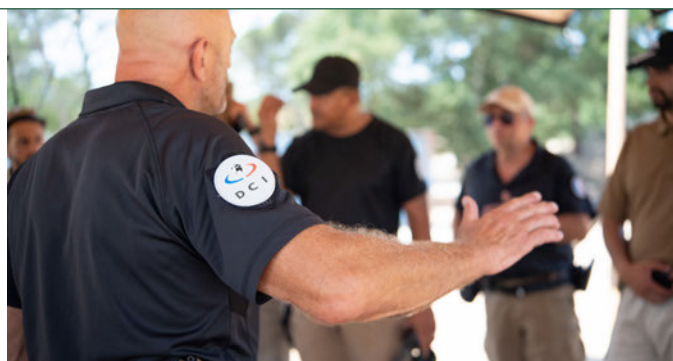


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DCI - DEFENSE CONSEIL INTERNATIONAL

Défense Conseil International (DCI) is a key operator for the development of Defense and Security capabilities, towards France's partners, European Union and NATO. We help our customers tackle their national, regional and international challenges, by providing excellence in education and training, first-class advisory services as well as high value operational and technical services, from maintenance to complex systems specification and acquisition.



INTERNATIONAL COOPERATION

DCI (Défense Conseil International) is a key operator in the transfer of know-how from the french Armed Forces to France's partners, thereby strengthening military cooperation and the interoperability of armed forces. As a company with a mission and a major operator for international organizations, DCI is committed to promoting the objectives of the European Union and NATO. DCI is an implementing partner of the European Union and an executive partner of NATO.



CAPACITY BUILDING

For over 50 years, we have been helping our partners to develop their military and governmental capabilities to meet regional and international security challenges. We work with them to ensure that their organizations and training are of the highest standard, and offer them high value-added operational and support services.



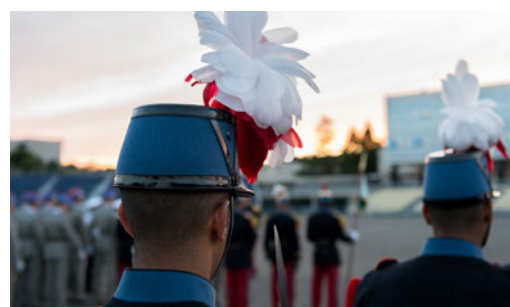
DEFENSE INNOVATION

DCI (Défense Conseil International) is a key player in the innovation and evolution of defense and security systems and their implementation. Whether by assisting with the development, qualification or entry into operation of systems, or by advising on and setting up organizations and ecosystems that foster innovation, DCI provides manufacturers, start-ups and governments with the capacity to bring to fruition the innovations they develop or need.



TRAINING EXCELLENCE

DCI (Défense Conseil International) provides a comprehensive and scalable training offer covering the full spectrum of defense and security needs. From initial academic training to technical and tactical instruction, up to advanced operational levels, DCI delivers tailored programs designed to build sustainable skills and autonomy. Leveraging the expertise of former military personnel and subject-matter experts, DCI ensures high-quality training adapted to the specific requirements of each partner, across all domains and levels of proficiency.



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DEDIENNE AEROSPACE

Dedienne Aerospace is a global leader in aerospace maintenance tooling and associated services for civil and defense markets, with more than 75 years of industrial expertise. We design and manufacture defense tooling and mission-critical equipment supporting air, land and naval defense programs. We support defense OEMs, MROs and government organizations from early design phases through qualification, production and in-service operations, ensuring alignment with program requirements, defense standards and security constraints.



GROUND SUPPORT EQUIPMENT



Dedienne Aerospace is a global leader in Ground Support Equipment, providing military aviation solutions for cargo, fighter, helicopter, and specialty aircraft. Our full range of military GSE is designed for tarmac and hangar operations, whatever the mission.

• **Truck • Trailer • Tripod Jack • Axle Jack • Towbar • Servicing Carts • Platform • Fuel pod skids • System integration tooling • Aircraft part storage dolly**



ARMAMENT WEAPON SUPPORT EQUIPMENT



We help customers tackle the world's most complex challenges. Developed with major military OEMs, our weapons tools deliver security, reliability, and time-saving performance in critical operations.

• **Armament Support Equipment (ASE) • Weapon Support Equipment (WSE) • Logistic Support Equipment (LSE)**



ENGINE TOOLING & TRANSPORTATION



As a global leader in engine tooling and stands, we are the OEM-licensed partner trusted by leading defense companies. Our products help safely service, transport, and maintain engines, power turbines, and other critical equipment in demanding conditions.

• **Engine Stands • Engine removal/installation fixtures • LRU/RI Tools • Build & Strip tooling • Engine transportation • Engine preservation • Containers**



HPU & TEST BENCHES



Dedienne Aerospace offers high-performance hydraulic power units and fluid test benches for aircraft maintenance and testing. Designed for precision, safety, and efficiency, they support OEM-compliant ground testing, troubleshooting, and MRO operations.

• **Hydraulic Power Units (HPU) • Fluid Test Benches • Integrated Aerospace Solutions**



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ELL TRANSPORTS & SERVICES

ELL Transports & Services, part of the Etienne Lacroix Group, specializes in the transport and logistics of sensitive and hazardous goods. ELL offers tailor-made solutions in road, air and sea freight, as well as customs and warehousing services. Operating worldwide, the company relies on strong expertise, key certifications (IATA, AEO) and an international network to ensure safety, traceability and performance



© Etienne Lacroix Group

ROAD



- Partial and/or full load transport by our vehicles
- Class 1 EXII and EXIII transport solutions compliant with ADR regulation
- Basic inspection enabling delivery to military base
- Transport of Class 1 goods
- Vehicle rental with drivers
- Partial and full loads of various goods



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AIR



- Conventional freight import-export - crosstrade
- Transport of dangerous goods (Class 1 to 9 - except 7) on PAX - CAO flights
- Transport of sensitive goods: Defense - Security - Law Enforcement - Aerospace
- Industrial projects - Oversized cargo
- Charter aircraft - Part charter

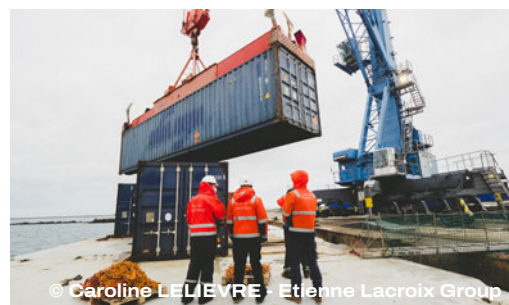


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SEA



- Transport of adapted containers - Flat rack - Open side - Open top
- Full container load (FCL) transport
- Conventional or breakbulk transport for oversized cargo Vessel Template
- Full charter and part charter services departing from French or other European ports
- Class 1 container handling in the French or European ports including transit license management



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CUSTOMIZED CONSULTING AND SERVICES



- Management of export and import declarations
- Personalized, tailored, and reliable solutions in compliance with regulations
- Training for teams on French and international regulations regarding the transport of dangerous goods
- Storage platform (Hautes-Pyrénées department) and bonded warehouse (Haute-Garonne department)
- Network of partners on all continents



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Designer and manufacturer of energy conversion systems for severe environments for over 80 years, ENAG supplies a wide range of customised products dedicated to defence applications. Working closely with our customers, our solutions are developed and qualified according to demanding operational requirements including thermal performance, EMC compliance, shock and vibration.

Our R&D, Sales, Production, Quality and Customer Services teams assist customers through every phase of a project, from initial design and qualification to commissioning and in-service support (ISS) / operational maintenance.

GPU EQUIPMENT 28VDC DRONES



ENAG's 28VDC Drone GPU supplies ground power to drones

Input Voltage:

- 230VAC single phase + N +PE
- 400VAC / 230VAC Three- phase +N +PE

ENAG products are designed and engineered to meet Army requirements and comply with applicable military standards including MIL STD, STANAG and EMC standards such as MIL STD 461.



GPU EQUIPMENT COVALT 400HZ - 28VDC



ENAG's GPU equipment supplies 400HZ and 28VDC for aircraft, helicopters and drones.

Input Voltage :

- 3 x 400VAC 50Hz (without neutral)

400Hz output:

- Output voltage : 115/ 200VAC 400Hz
- Power : 20KVA (other ratings available on request)

28VDC output:

- Output voltage: 28VDC +/- 1.5%
- Nominal current: 300Amps
- Peak current : 1500 A / 2 secs or 600A / 10 secs

ENAG products are designed to meet Army requirements and comply with applicable military standards including MIL STD , STANAG and EMC standards such as MIL STD 461.



DISTRIBUTION EQUIPMENT



ENAGs range of distribution products allows users to supply AC and/or stabilized electrical energy in the field using several primary sources.

Available power sources :

- Mains AC network
- 28VDC from the vehicles
- Solar panels
- Wind turbine
- External battery pack.



EXAIL

Exail is a leading high-tech industrial company specializing in advanced training simulation. Through a comprehensive ecosystem ranging from simulator platforms to tailored training programs, the company delivers enhanced skills, decision-making, and safety in risk-free environments. Exail empowers operators and forces across the land defense, aviation, and automotive sectors worldwide. Backed by a global workforce of 2,200+ professionals, Exail stands as a trusted strategic partner in over 80 countries.

exail

IMMERSIVE TRAINING EXPERIENCE



Exail's high-fidelity simulators, enhanced by mixed reality, deliver risk-free, immersive training to build land forces' operational confidence in complex environments.

Realistic scenarios and real-time interaction

- Lifelike environments: dynamic weather, day/night cycles, varied terrains
- Dynamic assets: AI-driven pedestrian and vehicle interactions
- Tactical hurdles: checkpoints, blockages, IED threats, gunnery attacks

Tailored to any vehicle platform

- Training across light tactical vehicles, MBTs, and transport trucks
- Targeted exercises to master specific onboard electronic functions

After action review and debriefing

- Multi-angle replays: 3D interior, exterior, aerial, and pedestrian perspectives
- Real-time tracking of speed, driving metrics, and fuel consumption



CUSTOMIZABLE SIMULATOR PROJECTS



Exail's modular simulators scale from basic driving to complex tactical maneuvers. Powered by a Mission Scenario Editor (MSE) and Computer-Generated Forces (CGF), they support both individual and networked collective training.

Cutting-edge mixed reality integration

- Simultaneous view of the physical cockpit and the virtual world
- Real sense of vehicle scale and speed thanks to high-resolution peripheral vision

Brand new vehicles to advanced simulators

- Static and dynamic measurements for 1:1 physics
- Accurate replication of complex electronic interfaces

Networked training & mission coordination

- Group driving, radio procedures, and coordinated firing capabilities
- MSE and CGF units react in real-time to trainee decisions



exail

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EXCENSE

Excense is a Brittany-based company and the developer of the Compositeur Digital, a touch-enabled software platform that turns any screen into an operational and decision-support tool. It enhances interaction, situational awareness, and decision-making by enabling teams to manage operations, share information, and coordinate stakeholders in real time. As an immersive training tool, it supports situation analysis and after-action reviews. This fully French expertise is already deployed by the Armed forces Ministry and the Minister of the Interior.



A TOOL DEDICATED TO OPERATIONAL PERFORMANCE AND DECISION-MAKING



Instantly operational and approved for use on secure networks of the Armed forces Ministry and the Minister of the Interior, the Compositeur Digital software supports training, exercises, and simulation activities in demanding environments.

It enables the creation and delivery of **smooth, intuitive, and interactive presentations**, offering both a global overview and precise levels of detail. The solution makes it easier to understand complex situations and to share key information like training materials, procedures, scenarios, operational data, or after-action reviews.



Strengthen the operational effectiveness of your teams

In contexts where speed and precision are essential, the Compositeur Digital provides a dynamic environment that allows you to navigate efficiently between different types of content. Trainers can adapt their presentations in real time, illustrate concrete cases, and dive deeper into specific points as needed.

This interactive approach captures attention, encourages discussion, and improves knowledge retention. It also helps accelerate understanding and supports faster decision-making.

Support mission training and preparation

Particularly well-suited to exercises and simulations, the Compositeur Digital makes it possible to structure scenarios and streamline briefing and debriefing phases.

It enables clear reporting of observations, helping to capture lessons learned and support continuous improvement. Already used in training and exercise environments, it adapts to a wide range of contexts, from educational settings to operational situations.

Showcase your expertise and harmonize your practices

With its interactive interface, the Compositeur Digital offers an immersive learning experience and highlights operational know-how.

The solution synchronizes content across all user devices. Even offline, materials remain accessible. This continuity strengthens consistency in practices, supports collaboration, and enhances overall efficiency.

They trust us: Minister of the Interior (BRI, DGSCGC, COZ, CNCMFE, PP/DOPC), Armed forces Ministry (STAT, EMB, AMSCC, ETNC, ERAT), Naval Group, Safran, CEA, Junghans, Unseenlabs, DCI Group, Utilis,...



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EXOSENS

Exosens is a technology-led manufacturer specialising in the design, development, testing, and production of radiation sensor solutions for photonic and ionising radiation. Formerly operating as Centronic Ltd., the company has been established since 1945 and holds a strong global position in high-end markets including nuclear, defence, industrial, research, oil and gas, and medical sectors.

SILICON PHOTODIODES



Silicon Photodiodes optimised for eye-safe simulation equipment are a robust and proven part of many training scenarios.



FRANCE MACCAFERRI

France Maccaferri develops and markets technical solutions for both civil and military applications, including hydraulic works, retaining walls and erosion control. France Maccaferri also offers solutions for military infrastructure, whether for installations in France or for overseas operations. Used since the 1990s by UN forces and various armed forces, our solutions are highly effective for the construction of infrastructure and combat posts, as well as for protecting people and equipment against gunfire and explosions. Since 2017, France Maccaferri has also been offering a vehicle intrusion protection system to secure public or private spaces.

EBS MAC®



EBS MAC® is a multicellular structure specifically developed to provide force protection against a range of ordnance, explosive and vehicle attacks. The system is based on our original wire mesh defensive barriers for troop protection, used for the first time in WW1; and now, brought up to date to meet the many demands of today's theatres of operation. Available in a variety of standard NATO sizes, EBS MAC® can be quickly deployed and filled in place to create a defensive barrier. The modular units can be joined in height and width to form larger structures as needed to protect bases, camps, depots, vehicles or critical infrastructure. Units are also used in civilian environments to protect major buildings, airports or other facilities at risk of attack.



EBS MAC® © Maccaferri

EBS MAC® FE



EBS MAC® FE, a specialized version of Maccaferri's defensive barriers, is engineered for flood protection. This modular system is designed for quick deployment in emergencies and can also be seamlessly integrated into landscape designs for longterm protection. Successfully field and laboratory tested, the EBS MAC® FE meets and exceed the exacting criteria of the US Army Corps of Engineers at their Engineer Research and Development Center (USACE ERDC) in the USA, ensuring its efficacy in flood defence. Facing the rise of severe weather-induced disasters, Maccaferri has developed innovative solutions, such as EBS MAC® FE, to combat hydro-geological challenges and improve emergency responses. This effort highlights Maccaferri's commitment to reducing the impacts of natural disasters through specialized engineering.

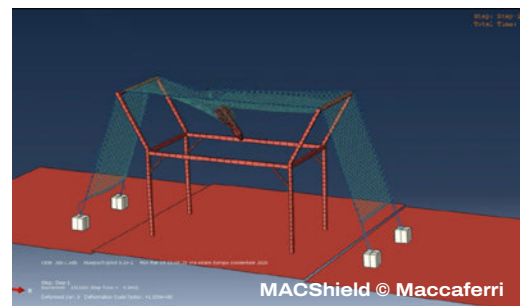


EBS MAC® FE © Maccaferri

MACSHIELD



In modern battlefields, UAV attacks are identified as a primary threat to critical infrastructure, equipment and personnel. Protective countermeasures against UAV include various electronic technologies (such as detection, jamming, spoofing), yet they come with limitations as counter electronic warfare constantly evolves. Thus Maccaferri has developed MACShield, a mechanical protective structure which is the ultimate security layer for critical assets whenever electronic measures becomes insufficient. MACShield consists of a modular vertical or horizontal barrier intended for aerial protection. The barrier is designed to capture or resist the typical impact of high intensity UAVs, absorbing a kinetic energy up to 250 kJ (equivalent to a 250 kg projectile @ 180kph). The structure consists of a specific high energy absorption mesh developed from our many decades of experience in the rockfall sector. The net is supported with frames and poles structure, combined with tensioning cables and energy dissipators. The design is modular and can therefore be adapted to the infrastructure dimensions.



MACShield © Maccaferri

MACCAFERRI

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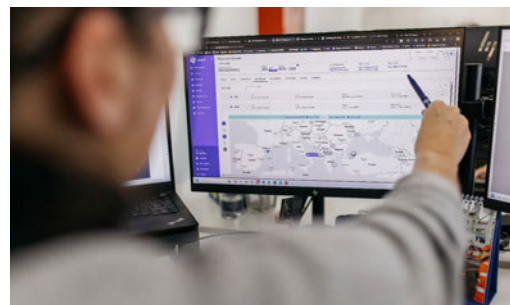
GEODIS

GEODIS is a global leader in the fields of transportation and logistics. We support defense and security players in their operational challenges with innovative and resilient solutions. As a subsidiary of the SNCF Group, GEODIS has a global network and recognized expertise. We manage strategic flows, complex project logistics and operational deployments in full compliance with regulations and security issues in non-permissive environments.



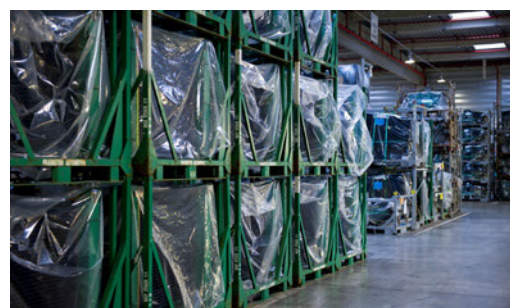
INTERNATIONAL TRANSPORT

Transport solutions for all sizes, origin-to-destination transport solutions for the rapid deployment of military equipment to operation theatres and assembly lines around the world by air, sea, land and rail, and customs management. We develop advanced logistics information systems for the visibility, prediction, monitoring and real-time management of defense flows.



MANUFACTURING LOGISTICS

On-site logistics, inter-factory shuttles, warehousing and storage, small assembly, distribution in batches or full truckloads, dedicated, international and national.



REPLENISHMENT AND MAINTENANCE

Supply of oil, liquid, petroleum, spare parts, critical equipment, deployable infrastructures, generators.



REVERSE LOGISTICS & LIFECYCLE MANAGEMENT

Recovery, repair, maintenance and overhaul of equipment.



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GROUPE TRA-C INDUSTRIE

With around ten production sites across France, the TRA-C industrie group supports defence sector organisations in the design, industrialisation, manufacture and integration of complex, high-value-added systems. The group is involved throughout the entire industrial lifecycle: engineering, prototyping, series production, robotic integration and the optimisation of industrial processes. A recognised specialist in metalworking, TRA-C industrie possesses extensive expertise in the manufacture of equipment for the demanding environments of land, air and naval defence. The group is notably a European leader in the innovative technology of Friction Stir Welding (FSW), which delivers significant gains in performance, strength and weight reduction for structures.

TRA-C industrie also operates two training centres, STA and Form IN PROD, which specialise in passing on technical expertise. These centres support and train numerous contractors as well as major players in industry and defence, helping to develop skills and master complex industrial processes.

SIMULATION EQUIPMENT



TRA-C Industrie develops, manufactures and integrates hardware systems for simulators intended for defence environments and complex military equipment.

The group supports its clients from the research and design phases through to the manufacture and full integration of simulation structures. Thanks to its in-house design office and integrated manufacturing facilities, TRA-C Industrie is involved in the entire production cycle for cockpits and associated equipment: mechanical design, fabrication of welded structures, integration of specific accessories, surface treatment, industrial painting, assembly and final installation.

The solutions developed meet the high standards of robustness, ergonomics, operational fidelity and durability required in training and simulation programmes.

Thanks to its experience, TRA-C Industrie is able to produce bespoke assemblies tailored to the technical and operational constraints of each programme, whether for land vehicle simulators, operator stations or specific training equipment. For example, the group is supporting THALES TRAINING AND SIMULATION in designing, manufacturing and integrating all the EV90 cockpits that will be commissioned at the TACTIS site in the Netherlands. Among other projects, TRA-C Industrie has integrated Rafale simulation cockpits, Leclerc simulators, Griffon vehicle models and PIRANHA driving simulators.

The group also offers its manufacturing capabilities for small, medium or large production runs, while guaranteeing quality, repeatability and strict adherence to production deadlines.



TRAINING



TRA-C industrie has two units dedicated to training and the transfer of industrial and technical skills: STA and Form IN PROD.

The STA centre is a technical training centre equipped with educational and industrial resources enabling it to deliver practical and theoretical training tailored to the requirements of the defence sector. The training courses cover, in particular, manufacturing processes, welding, reading technical drawings, maintenance, pipework, and more.

In addition, Form IN PROD brings together trainers and industry experts capable of working directly on clients' production sites to deliver operational training that is closely aligned with industrial needs. This approach allows the training content to be adapted to the specific constraints of production environments, the equipment used and the requirements of the contracting authorities.

Thanks to their on-the-ground expertise and their close connection to industrial realities, STA and Form IN PROD support many major defence industry players in skills development, upskilling teams and mastering complex industrial processes.

These training activities also contribute to the transfer of strategic know-how and the maintenance of the technical skills necessary for the sustainable performance of the defence industrial and technological base.



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INEO DEFENSE

Ineo Defense and its subsidiary Exavision, drawing on their strategic expertise and innovative solutions, help to secure sensitive communications and critical infrastructure, generate and analyse intelligence, support operations through the deployment of hardened mobile command centres, protect and monitor sensitive environments, and optimise the complex logistical management of armed forces' fleets, equipment and supplies.



A SUPPLY CHAIN DESIGNED FOR OPERATIONAL AND STRATEGIC REQUIREMENTS



Faced with the challenges of immediate availability and operational continuity, our mission is clear: to guarantee equipment availability at the right time, by optimizing the management of spare parts essential to armed forces missions.

Today, we are entering a new era: that of a war economy, marked by growing geopolitical instability, intensifying conflicts and heightened demands in terms of preparedness and responsiveness. This paradigm shift calls for a strengthened logistics capability, capable of sustaining high rates of change, anticipating critical needs and securing supplies over the long term.

For over 20 years, Ineo Defense, a subsidiary of Equans France, has provided logistics, support and maintenance in operational condition (MCO) for equipment and spare parts for the armed forces.

Thanks to integrated supply chain management and a network of reliable partners, we offer forces an agile, proven and cost-effective logistics approach. Designed to meet today's operational requirements and anticipate tomorrow's challenges, our solution enhances the long-term availability of equipment in constrained environments.



SERVIFORCE®: A SIMPLE, FAST AND SECURE PURCHASING PORTAL



Our ServiForce® e-commerce system, modelled on the leading platforms, enables :

- Simplified ordering in just a few clicks
- Real-time tracking through to delivery
- Clear, centralized invoicing
- Secure payment by dedicated purchasing card.

It's your one-stop shop for frictionless logistics.



WHY ENTRUST YOUR LOGISTICS TO INEO DEFENSE?



- Recognized know-how in MCO (Maintenance in Operational Condition)
- Recognized expertise, in terms of both quality and costs
- A fully outsourced service, allowing you to concentrate on your core business
- A reliable partner, prepared for the demands of a wartime economy



INTEGRIS COMPOSITES SAS

SIMULATION USAGE FOR BALLISTIC PROTECTION.

At Integris Composites, we recognize the crucial role that simulation plays in developing and refining ballistic protection solutions. Through simulation, we can virtually test materials and structures, gaining insights into how they respond to impacts and stresses. This process allows us to model various scenarios, enhancing our understanding of protective materials and leading to more informed design and development decisions.



ACCURATE PREDICTIONS FOR PROTECTION



Physical testing for ballistic protection is both costly and time-consuming. Simulation offers a more efficient alternative, reducing the need for multiple physical prototypes and tests.

This approach not only conserves resources but also minimizes the risks associated with live testing by analyzing potentially dangerous scenarios in a virtual environment.

“Simulation allows us to explore a wide range of conditions and scenarios that would be impractical or impossible to replicate in physical tests,” says Piotr Tomaszewski, a dedicated simulation professional at Integris Composites. “This capability is essential for optimizing the design and performance of our ballistic protection solutions.”

Our simulations provide accurate predictions, which are vital for optimizing the design of protective gear.

They enable us to adjust parameters and configurations to achieve the best possible protection with minimal material use and weight.

This level of optimization is difficult to attain through physical testing alone.

Beyond ballistic events, we also test blast events, including those involving mines, improvised explosive devices (IEDs), and rocket-propelled grenades (RPGs).

This comprehensive approach ensures that our protection solutions can withstand a variety of threats.

In addition to performance evaluation, simulations help ensure that our ballistic protection solutions meet international standards set by the National Institute of Justice (NIJ), the Association of Test Centers for Bullet Resistant Materials and Constructions (VPAM) and STANAG 4569 are documented in the AEP-55 (Applied Engineering Publications). Compliance with these standards is crucial for the acceptance and trust in our protective technologies.

Simulations also facilitate the integration of ballistic protection with other technologies, such as smart textiles and sensors, enhancing overall functionality.

The real-time feedback from simulations allows for rapid design iterations and continuous improvement.

“By using simulation, we can quickly identify potential improvements and implement them much faster than traditional methods,” Tomaszewski explains. “This continuous improvement cycle ensures that our solutions remain at the cutting edge of technology.”

We can evaluate additional factors outside of ballistic events, such as the impact on interfaces like mounting points, connections, and screws.

This capability allows us to improve these components as well. Additionally, we assess vulnerable areas in the design by checking hundreds of thousands of points of impact from different angles to identify and address any weak points in the construction.

Environmental conditions, such as temperature and humidity, can significantly impact the performance of ballistic protection materials.

Simulations enable us to assess these effects, ensuring that our protective solutions perform well in various conditions.

By providing comprehensive insights and facilitating ongoing improvements, simulations are essential in advancing our ballistic protection technology at Integris Composites.



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ISD (INGENIERIE SERVICES DEVELOPPEMENT)

ISD Group supports manufacturers and institutions in managing the challenges of availability, maintenance and operational organization.

We operate across support disciplines including MRO, training, reverse engineering and support engineering (SLA, Documentation).

The group currently operates in Europe, the Middle East and Asia, with nearly 40% of its business conducted internationally.

ISD Group has been present in Saudi Arabia (Riyadh) for over 30 years. The GAMI license obtained in 2018 strengthens our ability to support French and Saudi defense industries in maintenance in support.

TRAINING TO GUARANTEE OPERATIONAL AUTONOMY



ISD designs and deploys training systems calibrated to meet the requirements of the Defence sector, both in France and internationally. Our teams are former military operators combined with experts from the Defence industry. This dual perspective — operational and industrial — allows us to design training that speaks the same language as your teams.

Each programme is built from real technical data and the specific operational contexts of your users. ISD develops all associated materials (courses, e-learning) by combining theory, hands-on practice and digital formats, for lasting skills development.

What you gain:

- Skills transfer: our field-experienced trainers pass on first-hand expertise, enabling deep understanding and long-lasting competencies.
- Adaptability to training contexts: client cultures, organisational specificities, international environments — each programme is tailored, without compromising on quality.
- Multi-equipment and multi-disciplinary expertise: our teams combine technical mastery, operational dimension and instructional engineering across a wide variety of systems.
- Resilience in the face of uncertainties: tight deadlines, programme changes, unstable environments — ISD adapts its programmes in real time to maintain the expected level of excellence.

Our areas of intervention: Implementation · Maintenance · Live Fire Training · Systems Training.

Because equipment only performs when its users have fully mastered it, ISD supports you from design through to execution.



JOHN COCKERILL DEFENSE

John Cockerill is an international industrial group specializing in technological solutions for energy, industry, and defense. Within the Group, John Cockerill Defense develops and integrates armored vehicles and advanced weapon systems for land platforms, combining firepower, mobility, precision, and operational adaptability to meet the requirements of modern armed forces.

PREPARING FORCES, SUSTAINING PERFORMANCE



John Cockerill Defense delivers a comprehensive approach to training, support, and operational sustainment, designed to maximize the availability, performance, and operational readiness of land defense systems throughout their entire lifecycle.

Combining advanced technologies, field expertise, and proximity to armed forces, the group supports customers from system acquisition to in-service support and long-term modernization. Through integrated logistics, maintenance solutions, and operational assistance, John Cockerill Defense ensures high levels of responsiveness and reliability in demanding operational environments.

Its support ecosystem relies on deployed teams, international repair networks, and advanced maintenance capabilities, including predictive maintenance and additive manufacturing technologies. This integrated approach helps anticipate operational needs, reduce intervention times, optimize fleet availability, and enhance mission effectiveness.

Alongside sustainment activities, John Cockerill Defense develops advanced training and simulation solutions enabling crews and maintenance personnel to acquire and maintain critical operational skills in safe, controlled, and cost-efficient environments.

Agueris : Advanced Training and Simulation Solutions

As part of the John Cockerill Defense training ecosystem, Agueris provides immersive and technologically advanced simulation solutions dedicated to driver and maintenance training.

Through driving and maintenance simulators, Agueris reproduces realistic operational situations, including vehicle failures, technical interventions, and complex driving environments, while maintaining a secure and fully controlled training framework. This approach supports the progressive acquisition of skills, the development of operational reflexes, and the gradual increase of user proficiency.

Flexible and scalable, Agueris solutions adapt to a wide range of pedagogical needs, from initial training programs to autonomous learning. The system also enables detailed performance monitoring and customized training scenarios tailored to operational requirements.

By reducing vehicle immobilization, limiting operational costs, and improving training efficiency, Agueris contributes to enhancing force readiness while supporting the long-term performance of defense fleets.



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LACROIX DEFENSE

LACROIX has been supplying Armed Forces with a complete range of self-protection devices (Naval, Airborne and Land) and is now offering realistic training solutions for live fire and live training under our new brand « REAL-XT ». Lacroix has invested itself in developing and providing technical solutions, delivering the most realistic and effective training for troop readiness.

REAL XT, designed for mission readiness



© Lacroix Defense - Etienne Lacroix Group

LIVE TRAINING SIMULATION



SPARKT L2/L20, SPARKT IED SIMULATORS

- For live training simulation (vehicles, targets..)
 - Live training simulation against IED threats
 - For live firing solutions (targets)
 - Stand alone or integrated application
- Effects : Gun shot, smoke and explosion



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SELF PROTECTION TRAINING



TRAINING SELF PROTECTION AMMUNITION

- SMART XT1, GALIX 17 (80mm GALIX) & HIDE XT1 (76mm)
- REUSABLE CANISTER



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CHEMICAL RISK TRAINING



SIMTAC provides a realistic and non toxic effects (SPRAY) simulating Chemical Warfare Agents (CWAs). Used for indoor training with flame spectrophotometry technology detectors (**PROENGIN**).



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LEGENDRE LOGISTICS

LEGENDRE LOGISTICS is a recognized player in the transport and logistics sector in France and abroad. Its organization into Business Units (multimodal transport, logistics, consulting and engineering, industrial packaging, industrial transfer, sourcing) makes it a flexible, responsive operator capable of providing solutions across the entire supply chain. Its teams of engineers and project managers support its many French and international customers in their most complex projects. Its know-how, expertise and the synergies between its different Business Units enable LEGENDRE LOGISTICS to offer customized, high-end solutions in a wide range of sectors.

LOGISTICS ENGINEERING

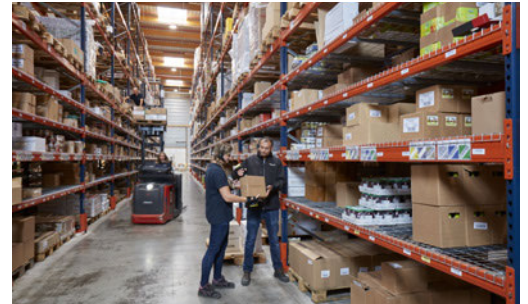


A project unit is dedicated to supporting customers in their efforts to optimize or reorganize their supply chain.

How to improve the performance of my supply chain?

How can I reduce my logistics costs?

The responses provided have real positive impacts on the organization and performance of a company. The cross-functional vision of our project managers is a force to support clients in their reflections, from diagnosis to implementation.



MULTIMODAL TRANSPORT



Conductor of customer projects and with the support of our various subsidiaries and their expertise, we are able to transport the materials and goods of our customers all over the planet through a complete offer: Road Transport, Maritime Transport, Air Transport and Rail Transport.



INDUSTRIAL PACKING



Our teams support you to ensure the protection and security of your equipment. Our creations are studied in order to expose personalized and relevant solutions, always respecting your specifications and our CSR approach. Our packaging is made with all types of materials: wood, metal, plastic, cardboard, etc. Our design office guarantees the optimization of the devices, by analyzing, creating and designing industrial packaging solutions regardless of the material (bulky, heavy and/or sensitive).



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LGM

LGM is a mid-sized group specializing in niche technological engineering solutions and services, as well as in advanced industrial-scale electronic design & production.

Our mission is dedicated to meeting the efficiency and sovereignty requirements of major Defence programs.

Our "LGM Academy": a unique combination of expertise in the field of ASD S-Series standards for ILS specifications & proven know-how in designing and delivering customized training programs.



TRAINING IN MAINTENANCE ENGINEERING / INTEGRATED LOGISTICS SUPPORT / IN-SERVICE SUPPORT



The steady evolution of techniques, practices, and know-how requires every industrial player or customer to continuously adapt and anticipate.

Regular training of human resources is the key to successfully meeting these challenges.

LGM group has established a **dedicated training school** - consistent with international and military standards requirements for **maintenance engineering, integrated logistics support and in-service support** - which gathers below topics :

- Understanding the **purpose and the principles of an ILS process**
- **Developing and managing an ILS programme** according to customer needs
- **Designing and optimising logistic support**
- **Management of logistics data**
- **Understanding the ASD S-Series**
- **Implementing S3000L**
- **Optimising preventive maintenance: MSG-3 system**
- **Optimising preventive maintenance: MSG-3 structure**
- **S4000P: developing and optimising a product preventive maintenance plan**
- **S5000F: developing operational feedback**
- **ILScape game: The game where ILS ensures survival**
- **Discovering Integrated Product Support and Sx000i**

LGM group also delivers **in-house training sessions to meet specific requirements**. In such cases, a detailed analysis is conducted based upon customer's needs to **propose an optimized training plan**.

Please contact us for any specific training needs : www.lgm.group/contact



TRAINING
CATALOGUE



Qualiopi
processus certifié

RÉPUBLIQUE FRANÇAISE

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MANITOU BF

For over 30 years, Manitou Group has provided handling, lifting, and earthmoving solutions to the defence sector. They design and manufacture reliable machines for heavy logistics, construction, aeronautical maintenance, and warehousing. Backed by a worldwide network, Manitou offers tailored solutions meeting strict military standards.



LOGISTICS



Streamline your logistics on-site or during deployment with Manitou. Our versatile solutions handle everything from pallets and bulk material to **40ft containers and air freight**. Engineered for **all-terrain performance** and extreme weather, our machines excel at **loading/unloading** (trucks, aircraft, trains) and tactical storage. Reliable, multi-purpose equipment designed for demanding **defense operations** and **military supply chains**.



SOLUTIONS FOR MILITARY ENGINEERING



Manitou's telehandlers, MEWPs, and forklifts are essential for **military construction and maintenance**. Featuring all-terrain drive and 4-wheel steering, they master rough or muddy ground with ease. From setting up living quarters in **overseas operations** to **building roads, field hospitals, and temporary runways**, our machines deliver the versatility and mobility required for rapid deployment and tactical engineering.



MAINTENANCE



Enhance fleet readiness with Manitou maintenance solutions. Designed for combat vehicles, aircraft, and weapon systems, our machines utilize **specialized attachments** to pull engines, move disabled vehicles, or change tires **in the field**. From tactical repairs to **high-reach aircraft inspection**, our versatile equipment ensures **rapid servicing** during deployments. Reliable support to maintain your **operational edge** in any environment.



AIRLIFT CAPABILITY OF MACHINES



Designed to be **fully air-transportable**, Manitou machines provide critical strategic support from rear bases. Efficiently **air-freighted** via military or cargo aircraft, they streamline **logistics management**, technical maintenance, and **rapid infrastructure setup**. This ensures reliable and effective support for your **theaters of operation worldwide**.



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MANITOU BF

AIRCRAFT ACCESS MAINTENANCE

For many years, Manitou Group has been the trusted partner of the aeronautical sector for MRO (Maintenance, Repair and Overhaul) operations. From line maintenance to engine interventions, our **aircraft access solutions** perfectly combine personnel lifting and material handling. Available in electric, combustion, or bi-energy, our aerial work platforms and telehandlers ensure maximum safety and precision with advanced technologies like **ultrasonic anti-collision sensors**. Supported by a **global network of experts**, we guarantee maximum availability of your fleets.



SPECIAL SOLUTIONS

Every mission is unique, which is why Manitou Group offers **custom-made solutions** to meet your most specific requirements. Through our "Special Solutions" department, we design and manufacture **personalized attachments and machines**: sensors, ultrasonic sensors, shielding, specific colors, extreme environments, or military standards. Our dedicated engineering team supports you from the initial study to the delivery of your tailor-made equipment. Supported by our global network, we also guarantee optimal MCO (Maintenance in Operational Condition) to keep your customized fleets ready for any challenge.



WINTER PROOF

To withstand the **extreme cold** of Scandinavia and Eastern Europe, our machines cannot just roll off the standard assembly line. To prevent **freezing fluids and condensation**, they undergo **heavy factory modifications**. This advanced winterization process requires our manufacturing plants to adapt production lines. It is the only way to ensure **absolute resilience** and deliver **mission-ready equipment** capable of performing in the world's harshest environments.



MASA GROUP

*MASA Group is the world leader in training and education for military staffs and crisis services with its **SWORD** and **SYNERGY** software. Its competences in behavioural and decisional AI also allow it to propose solutions in the field of robotics and decision support. . We provides software used in the field of defence, public safety and crisis management.*

MASA's agility, responsiveness and high technical skills have earned it the trust of more than 25 defense agencies around the world as well as numerous civilian organizations.



EUROSATORY
PROTECT YOUR FUTURE

EUROSATORY.COM

PARIS
15-19
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2026

INVITATION

WE WOULD BE DELIGHTED TO WELCOME YOU
TO OUR STAND

HALL 5A - STAND C74

TO DISCOVER OUR SOLUTIONS
ADDRESSING YOUR CHALLENGES



SWORD



SWORD is a complete software suite, including a scenario creating applications, an aggregated constructive simulation and analysis tools, dedicated to staff training, education, classroom teaching, planning support, analysis, operational research and C2 system stimulation.

SWORD can simulate operations from battalion to division level and is the market leading provider of software for training tactical level land staffs.

SWORD adaptive technology to the needs of each user :

To provide maximum realism, **SWORD's** constructive simulation is based on Direct **AI**, a behavioral and decision-making artificial intelligence technology developed by MASA Group.

This technology, coupled with databases of equipment and materials, makes it possible to represent numerous doctrines, thus allowing **SWORD** software to adapt very easily to the constraints and needs of each user or each country. This ability to adapt **SWORD's** simulation has enabled the progressive deployment of the **SWORD** system in more than twenty countries around the world, training officers and staffs of many armies in the conduct of modern operations covering high intensity such as asymmetric operations or support to populations. **SWORD** is also used by several defence agencies and systems integrators, particularly for Operational Research and Concept Evaluation.

Each army or organization has a unique SWORD that allows :

Staff training from battalion to division level

After Action Review

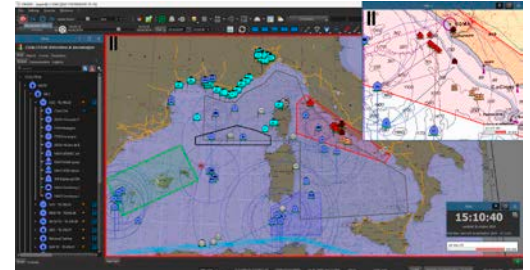
Reusing an exercise at any time

Operational research to validate new doctrines or new equipment characteristics.

SWORD's richness allows staffs to be immersed in high-intensity conflicts, peacekeeping operations, counter-terrorism, or aid to populations in the event of natural or technological disasters. **SWORD** simulates all possible types of environment and allows trainees to lead the maneuver of thousands of autonomous, virtually represented subordinate units. The use of artificial intelligence considerably reduces the cost of exercises and significantly increases their realism and complexity. The number of operators can be reduced by 70% in some cases and the preparation time by 50% compared to other software on the market.

This richness, coupled with **SWORD's** adaptability, defence industry, armament agencies or army research centers to use it to develop new concepts, new doctrines, such as the French army's Scorpion doctrine, or to validate the effects of new equipment.

SWORD is used by more than 25 armies around the world, as well as defence agencies.



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MBS INDUSTRY

*French industrial company specialized in **mechatronic solutions for assisting, securing and analyzing human movement in vertical environments**. Rooted in inclusive climbing, para-sport and functional rehabilitation, the company develops technologies designed to modulate effort, secure suspension and support vertical progression. Our technological building blocks (motorized assistance, load balancing, adapted harnesses, spreader bars, biomechanical analysis and intelligent regulation) open up opportunities in sport, healthcare, industry, civil protection and defense. In the defense and security field, we aim to explore applications related to **reconditioning, return to operational fitness, secured vertical training and assistance in constrained environments**, relying on technologies capable of supporting both human movement and the handling of loads, equipment or materials. This approach aims to confront our technologies with the real needs of end users in order to identify the necessary technical, regulatory and operational adaptations.*

CHAS - HARNESS



The CHAS and its dedicated spreader bar form a suspension interface designed to **improve the stability, comfort and freedom of movement of people in vertical environments**.

Initially developed for para-climbing with non-ambulatory users, it offers several advantages. Thanks to a specific architecture derived from patent FR2408678, the system distributes **loads across the upper body, clears the user's frontal workspace and enables different suspension postures**: upright, inclined, seated or assisted.

In the defense and security field, this interface could be studied for applications related to secured vertical training, reconditioning, progressive return to operational fitness, assistance in constrained environments, or specific situations requiring the support and stabilization of people. The value of this solution lies in the **increased availability of the arms**, the reduction of interference around the torso, improved postural control and the ability to adapt the suspension to the user's physical capabilities or operational constraints. The spreader bar may also serve as a support for various protective equipment, for example. These opportunities would require technical, regulatory and operational adaptations according to the specific requirements of each use case, which MBS INDUSTRY is able to assess.



CAMI - ROBOTIC VERTICAL ASSISTANCE SYSTEM



CAMI is a **motorized mechatronic system** designed to assist, secure and regulate the vertical movement of a person and/or a load.

Initially developed as a Class I medical device for inclusive climbing, functional rehabilitation and the recovery of autonomy, CAMI is built around a central capability: **modulating apparent weight, assisting effort and dynamically adapting its behavior to the user's movements**, even in extreme cases whether for users with very limited strength, such as people with multiple disabilities or tetraplegia, where control can be managed down to the gram, or for expert users such as elite climbers, with acceleration up to 5G and speeds exceeding 4 m/s.

From a defense and security perspective, CAMI could become a **dual-use technological platform for exploring applications related to secured vertical training, reconditioning, assisted mobility, load handling in constrained environments** and certain specialized vertical assistance situations. It can also offer autonomous and mobile operating capabilities. Its value is not limited to its winch function: it lies in the combination of motorization, sensors, intelligent regulation, movement analysis and human-machine interface. This combination makes it possible to consider scenarios where the objective is to **reduce physical strain, secure progression, repeat technical movements, stabilize a person or assist the precise handling of a load**. For defense and security stakeholders, CAMI could therefore be studied as a technological base adaptable to various use cases: physical preparation, return to operational fitness, training at height, assisted vertical crossing, support for injured personnel, assistance during technical operations or experimentation with vertical mobility solutions. At this stage, these perspectives are not qualified operational capabilities. They should be considered as areas of study requiring technical, regulatory and operational adaptations according to the constraints of each use case. MBS INDUSTRY's teams are able to support you in assessing and developing these topics.



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.



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.)



© Metravib Defence

PAAD: NEW SMALL AI-DRIVEN ACOUSTIC DRONE DETECTOR FOR MULTIPLE DEFENSE SOLUTIONS



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.



© Metravib Defence

PEARL: ADVANCED SOLUTION FOR SOLDIER PROTECTION



Metravib Defence PEARL is a miniaturized acoustic gunshot detection system initially designed for infantry and dismounted soldiers who are in direct contact with the enemy. PEARL provides the capability of finding in a few seconds and in a very intuitive way the origin of the shots that are threatening them.

The PEARL system can be installed, using a Picatinny rail, on an assault rifle, a sniper rifle, a machine gun or multifunction goggles/sights. An intuitive interface composed of directional LED arrows shows the azimuth and elevation of the threat. Compact and wireless, PEARL is easy and fast to get started with.



© Metravib Defence



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MUSTHANE

Musthane is a French company specialized in the design and manufacture of flexible composites made from rubber-coated reinforced textiles. Our solutions enhance the survivability and mobility of operations and vehicles in marine, land, and air environments.

We control the entire supply chain, from raw material formulation and manufacturing to final product delivery, ensuring process control, traceability, quality, and reliable lead times.

In the defense sector, our expertise is structured around two complementary pillars:

Design to Flexibility® - Solutions based on flexible and resilient structures: flexible tanks, inflatable jacks, pneumatic pipe plugs, lifting bags.

Design to Mobility® - Equipment designed for rapid deployment operations: helicopter landing mats, forward area refueling systems, temporary access roads.

COMPLETE AND MODULAR FUEL SUPPLY SOLUTIONS



Musthane provides complete and modular fuel supply solutions designed for deployment in operational environments. Our systems enable the storage, transport and distribution of aviation fuel in remote or hostile areas, ensuring operational autonomy and logistical flexibility for field operations. Refueling and defueling kits are designed and manufactured according to the customer's operational requirements and mission constraints. Each system can be configured to meet specific operational needs.

Flexible fuel tanks provide mobile fuel storage and transport capabilities adapted to operational environments. They can be air-transportable, heli-transportable, slingable, towable or vehicle-mounted, allowing rapid deployment and flexible logistics in the field.

To ensure operational capability in extreme environments, the system can also integrate a Cold Temperature Engine Starter (CES), a lightweight battery-powered device designed to start motor-driven pumps without an electric starter in extreme cold conditions below -20 °C.



HELIPAD AND TEMPORARY ACCESS MATS



Musthane designs and manufactures ground protection and mobility mats that improve the mobility and safety of vehicles and aircraft in challenging environments.

Our helicopter landing mats (HELIPAD) create a rapidly deployable landing zone that reduces foreign object debris (FOD) and the brownout effect, protecting helicopter rotors and engines while reducing maintenance requirements during operations on unprepared terrain.

Temporary access road mats reinforce soft or degraded ground to create temporary roads and access paths for wheeled vehicles, enabling safe traffic flow and rapid deployment in operational or emergency environments.



Musthane

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NEFAB

Nefab delivers engineered packaging solutions for defense applications that optimize the supply chain while protecting sensitive, high-value equipment during storage, handling, and transport. By reducing material usage, improving packing efficiency, and minimizing damage and logistics costs, our solutions help defense organizations achieve measurable cost savings while meeting demanding operational and sustainability requirements end to end.

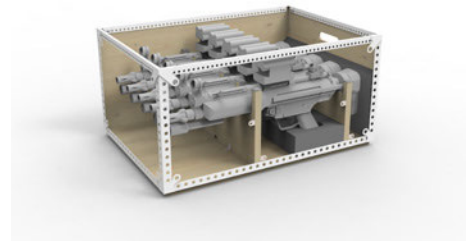


DEFENSE SUPPORT AND LOGISTICS



REDUCE RISK ACROSS THE DEFENSE SUPPLY CHAIN

In defense logistics, packaging is a strategic lever for supply-chain optimization, cost control, and operational readiness. Nefab reduces risk by combining engineering expertise, standardized solutions, and scalable production—helping defense organizations achieve faster, more cost-efficient supply chains without compromising performance.



- Increase supply-chain efficiency by reducing damage, rework, and disruptions
- Enable compliance while simplifying packaging standards and processes
- Improve continuity of supply through standardized designs and multi-site production
- Deliver measurable cost savings through optimized pack density, transport efficiency, and reuse concepts
- Protect sensitive assets against shock, vibration, climate exposure, corrosion, and ESD

By optimizing packaging design and logistics flows, Nefab unlocks immediately accessible savings across the defense supply chain—without new capacity investments, technology changes, or reduced operational requirements. This directly supports Europe's accelerated defense readiness and cost-optimization initiatives.

ENGINEERING CAPABILITIES

Engineering is the foundation of Nefab's approach to supply-chain optimization. Packaging solutions are developed to balance protection, efficiency, and standardization—reducing complexity, logistics cost, and lifecycle spend.

- Support with simplification of standards and requirements to reduce cost and lead time
- Certified solutions aligned with relevant international regulations
- Compliance with NATO, military, transport, and industry frameworks
- Global engineering network of 300+ specialists delivering proven financial and logistical savings
- Validation focused on real transport conditions to avoid over-engineering

TESTING CAPABILITIES

Packaging performance and efficiency are verified through targeted testing and analysis, including:

- Compression, vibration, and environmental testing
- Horizontal and incline impact testing
- Material and corrosion-protection validation
- Finite Element Analysis (FEA)

Through supply-chain optimization and responsible engineering, Nefab reduces total cost of ownership while strengthening defense readiness and long-term sustainability.



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NOVAKAMP

NovaKamp and its affiliated companies operate in the energy and infrastructure sectors. We design, manufacture and integrate smart-off grid energies and critical services for remote sites : from energy production, transformation and distribution, to mobile water treatment and purification units, or waste treatment.

The NovaKamp Group handles logistics, spare parts management, and all major maintenance, overhaul, and renovation operations.



PRODUCTION AND DISTRIBUTION OF ELECTRICAL ENERGY



Our compagnies are specialized in :

- **energy production for remote areas.** To ensure optimal performance, we take care of the installation, operation and maintenance of our equipment, thus offering turnkey solutions adapted to the most demanding environments.
- **the study, design, production and maintenance of high and low current electrical installations.**
- **the design, manufacturing, assembly, and installation of energy and industrial solutions for the civil and military sectors.** We produce a wide range of power generation solutions for fixed, integrated, and/or mobile applications : power plants, single speed generator sets, variable speed generator sets,, hybrid energy systems including generators sets, photovoltaic panels and energy storage, up to Electromagnetic Compatibility hardened power generation system.

Committed to innovation, we offer tailor-made solutions and training adapted to the needs of our customers.

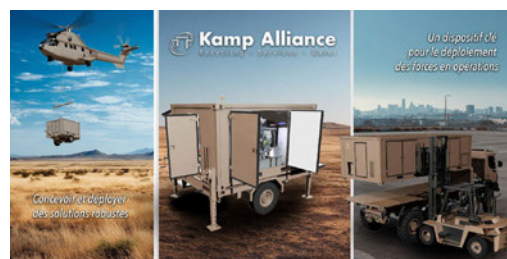


WATER TREATMENT



We are specializing in engineering and multi-technical integration, particularly in the fields of water treatment, waste management, and IT-Telecom. We offer comprehensive solutions for **water management, ranging from well equipment to recycling (greywater reuse), including water purification, maintenance, and after-sales service.**

Thanks to our expertise and an integrated approach, we support our clients towards more sustainable and efficient resource management.



NTF / NAVI-TRADE FORWARDERS

NTF (Navi-Trade Forwarders) is an independent French freight forwarder with more than 40 years of expertise in international transport and logistics, specialized in the handling and coordination of sensitive cargo, including IMDG-classified and regulated goods.

Referenced on the NATO Support and Procurement Agency platform and certified as an Authorized Economic Operator Full Security & Safety (AEO Full S&S), NTF guarantees a high level of customs compliance, cargo security, and end-to-end supply chain control.



END-TO-END FREIGHT FORWARDING & PROJECT LOGISTICS MANAGEMENT

NTF provides **integrated freight forwarding** and **project logistics management** for complex industrial shipments. We design and implement **tailored transport solutions** adapted to cargo specifications, regulatory constraints, lead times and operational requirements, for both **import and export flows**.

NTF delivers a **fully integrated end-to-end logistics solution** ensuring complete management of international shipments from **origin to final destination**.

Our scope of services includes :

- **Transport engineering and routing optimization** (multimodal : ocean, road, air, inland waterways)
- **Carrier sourcing and procurement** (shipping lines, airlines, specialized operators)
- **Coordination of pre-carriage and inland transportation** from production site to port, airport, or final destination
- **Customs clearance and regulatory compliance**
- **Preparation and control of transport and regulatory documentation**
- **Operational coordination, shipment monitoring, and on-site supervision**

Acting as a **single point of contact**, NTF manages the **entire logistics chain**, ensuring a high level of **control, compliance, reliability, and operational efficiency** at every stage.



DANGEROUS GOODS LOGISTICS, CUSTOMS & DELIVERY OPERATIONS

NTF manages the **secure transportation of goods, customs formalities, and final delivery** between production sites, international gateways, and consignee premises, for both **import and export operations**.

Our teams oversee all **logistics, operational, and administrative processes** to ensure **compliance, operational continuity, and full control throughout the supply chain**.

Our scope of services includes :

- **Coordination of multimodal transport** and terminal operations
- **Management of pickups, deliveries, and customs formalities**
- **Preparation and control of transport and regulatory documentation**
- **Handling of licenses, regulated cargo, and IMDG-classified shipments**
- **Operational tracking of shipments** and delivery supervision
- **Management of administrative and regulatory procedures** with authorities

NTF guarantees **reliable logistics flow management** from origin to final delivery, ensuring a high level of **control, compliance, and operational efficiency**.



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PANOPTÈS

Traceability, RFID, IoT and connectivity expertise are at the core of Panoptès' business.

Panoptès is a French technology player specializing in the capture and use of field data for supply chain, industry and critical operations. The Panoptès Group designs software platforms and connected solutions combining RFID, IoT, mobility and artificial intelligence to transform every physical event into actionable data.

Panoptès offers an integrated approach combining software development, systems integration and field equipment, backed by more than 30 years of expertise in the traceability of equipment, products and goods flows through large-scale national deployments for major players in defence and security, industry, energy, aerospace, transport and logistics.

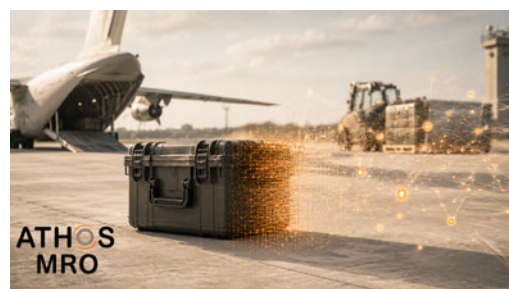
Its solutions help optimize flows, automate operations and strengthen real-time visibility of assets throughout all their movements.

ATHOS MRO



Athos MRO is Panoptès' software platform for maintenance and lifecycle management of critical assets. Compliant with ATA Spec 2000 and NATO requirements, it ensures asset traceability, configuration control, maintenance tracking and logistics management.

By integrating RFID, IoT and secure mobility, it automates field data capture, improves operational availability and supports compliance in aerospace, defence and industry.



KLIK



KLIK is Panoptès' RFID solution dedicated to industry and asset management. Instant inventories, flow tracking across factories and warehouses, and real-time stock reconciliation without any break in traceability.

Natively connected to Moov&Track, **KLIK** turns every read point into actionable data. Fast to deploy, it adapts to the most demanding operational constraints.



MOOV&TRACK



Moov&Track is Panoptès' sovereign data hub: a central engine that aggregates, orchestrates and delivers traceability data from all sources — RFID, AutoID, geolocation, IoT and third-party solutions.

Multi-site, real-time, and hosted in France, it is the technical foundation for KLIK and ATHOS. It integrates seamlessly with Panoptès solutions as well as with the full range of identification and mobility systems available on the market.



PROENGIN

Proengin combines high-performance CBRN detection solutions with structured operator training designed for real-world conditions. As an expert in chemical and biological threat detection, Proengin supports forces worldwide by combining advanced technologies with operational training and knowledge transfer. Its mission is to protect lives, assets, and critical infrastructure by supporting safe execution, reducing operational risk, and helping users fully exploit the capabilities of their CBRN solutions. This approach is built on decades of field experience and close collaboration with operational units, reinforcing Proengin's position across the full Detect-Protect-Connect chain in CBRN defense.

PROENGIN ACADEMY TRAINING



Proengin Academy delivers training programs aligned with international and military standards. These programs cover hands-on system operation and scenario-based exercises designed to reflect real conditions. Training sessions can be conducted either at Proengin facilities or directly within customer units, ensuring full adaptation. The Qualiopi certification attests to the quality, consistency, and structured follow-up of all training courses, providing reliable and professional learning experiences. Proengin Academy is now eligible under French public procurement and military training frameworks. Instructors hold operational backgrounds in CBRN units, supporting Proengin Academy's mission to develop learner autonomy, transfer critical skills, and accelerate readiness.

Qualiopi
processus certifié

 **RÉPUBLIQUE FRANÇAISE**

TRAINING & MAINTENANCE



Proengin extends its training approach beyond operations by integrating maintenance and support as key pillars of capability building. Dedicated learning paths cover both operational users and in-service support technicians, from introductory to expert levels, addressing system use, upkeep, and long-term performance. Through its global distribution network and regional maintenance centers, Proengin provides local support and hands-on training, enabling forces to develop autonomy and technical expertise close to their area of operation. This approach allows users to operate, maintain, and sustain their equipment with full sovereignty, reinforcing confidence, operational readiness, and long-term protection of their investment.



FREE TRAINING CONTENT



In addition to dedicated training programmes, Proengin Academy provides free access to a wide range of educational content to support continuous learning across the CBRN community. Proengin Academy organizes four expert-led webinars each year, delivering certified training sessions and practical operational insights. These are complemented by technical materials, including white papers, addressing key CBRN challenges and best practices. All resources are shared through Proengin's communication channels, encouraging users to stay informed and engaged. By combining structured training with open knowledge resources, Proengin extends its support beyond equipment, equipping users with the expertise needed to operate safely and effectively.



Proengin

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PRONAL

Pronal, with over 65 years of experience working closely with world armed forces designs, manufactures, installs, distributes and maintains, with offers standard, tailor-made & turnkey solutions for fuel and water logistics. Our flexible engineering solutions are highly versatile and can be quickly deployed on-site, easily transported by trucks, helicopters, or vehicles. They are suitable for transportation by land, sea, or air.



THE PRONAL FORWARD AREA REFUELING POINT (FARP)

PRONAL's Forward Area Refueling Point (FARP) is a strategic solution designed for military operations to ensure an efficient and secure fuel supply in forward-deployed areas. It is a compact, robust system that facilitates rapid deployment and high mobility for armed forces, supporting the critical logistics of fuel handling in challenging environments. Pronal is the unique French manufacturer of rollable helitransportable tanks (seal drums). We have also strengthened our range in order to offer full turnkey FARP refueling points. Thus, in a FARP type kit, we can provide: — 1 fuel pump group of 150Lpm from F34 / JP8, — 4 or 6 rollable hydrocarbon tanks 1900L, — 1 inflatable retention tank, — 1 aviation hose connection kit, — and 1 set of aviation refueling nozzles underwing and overwing. Rollable filled hydrocarbon tanks allow high mobility. They are easy to move depending on the location of the vehicle to be refueled. Once empty, their folded volume is very small. This makes it possible to load other materials into the aircraft.



DYNAMIC STORAGE TANKS

This flexible tank is specially crafted for the defense sector to ensure a robust and adaptable solution for fluid transportation. These flexible tanks are particularly designed for dynamic environments, offering mobility and quick deployment capabilities crucial for military operations. They can be easily transported by various means, including under slung by helicopters, making them a versatile choice for fluid delivery in the most demanding situations.



FUEL & WATER BLADDER, MPFM, RAM AND MOBILE WATER TREATMENT PLANTS

Pronal excels in fuel & water logistic solutions with a variety of flexible tanks, pumps, and fuel filtration systems for agile and secure transportation and storage of fluids. Pronal's equipment is expertly designed for versatility, whether for aerial delivery by helicopter or ground transport on trucks, and includes durable fuel & water storage bladders tailored for the needs of military operations. Pronal's mobile drinking water treatment plants are a key asset, aimed at providing clean water to the population. These mobile drinking water stations showcase Pronal's ability to deliver essential services in emergency situations or in remote locations, ensuring access to safe drinking water. This our commitment to supporting humanitarian & military efforts with innovative engineering solutions.



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PROTECOP

OUR MISSION : YOUR PROTECTION

French company founded in 1982, PROTECOP designs, manufactures, and sells personal protective equipment intended for first responders within various Armed Forces in France and abroad. PROTECOP continuously adapts to the constant changes and high expectations of its customers by providing tailor-made solutions and services. The group manages the entire value chain, from design to manufacturing, through 6 sites (4 in France, 1 in Tunisia and 1 in Brazil), employing around 180 people.



CROWD CONTROL EQUIPMENT



- Modular anti-riot protective suits
- Standards compliant with: NF S74-303 - VPAM-W5 - HOSDB
- Modular "4-in-1" tactical vests



BALLISTIC EQUIPMENT



- Bulletproof vests level II to IV, compliant with NIJ 0101.06 standard
- Tactical plate carriers level III and IV
- ICW & SA ballistic plates



DEMINEING SUIT



Demining suit - STANAG 2920



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RENAULT TRUCKS

Renault Trucks Emergency & Defense is a trusted global provider of tactical mobility and logistical solutions, dedicated to supporting armed and security forces as well as defense operators worldwide. Building on Renault Trucks' industrial strength and decades of operational experience, we design and manufacture robust, reliable, and mission-ready vehicles engineered to perform in the most demanding operational environments. Vehicles are manufactured with the same game quality, cost, and delivery standards as all customer-specific vehicles delivered to other clients. Our product ranges are intended to meet every requirement and under all conditions our proven solutions combine durability, adaptability, and operational efficiency, ensuring forces can deploy, sustain, and accomplish their missions with confidence, wherever and whenever it matters most.

-TROOP TRANSPORT VEHICLES:



Designed for safe and efficient personnel mobility, our troop carriers provide protected transport across complex terrains. Robust and mission-adaptable, they enable rapid deployment and immediate operational readiness.



-ARMORED EQUIPMENT CARRIER TRACTOR VEHICLES:



Essential to field sustainment, our logistics vehicles deliver equipment and critical supplies wherever required. Built for durability and high availability, they ensure uninterrupted operational support.



-FUEL TRANSPORT & REFUELING VEHICLES:



Our fuel transport and refueling solutions ensure secure, rapid fuel distribution in-theater. Mobile and reliable, they sustain both ground and air assets during operations.



-HOOKLIFT (CONTAINER CARRIER) VEHICLES:



Our hooklift vehicles provide rapid loading and interchange of mission modules, maximizing flexibility in the field. Their versatility enhances logistical efficiency and responsiveness across diverse operations.



RENAULT
TRUCKS

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SN ZHENDRE

Zhendre, the expertise and know-how brand of Eiffage Énergie Systèmes, has been designing and producing mobile solutions for extreme conditions in the region of Bordeaux since 1955: converted containers, air conditioners, and cold rooms. ISO 9001/14001 certified and specialized in HVAC solutions, it offers standard and custom-made equipment for the Defense, the Industrial, and the Humanitarian sectors.



MOBILE AIR CONDITIONERS



Zhendre relies on over 50 years of expertise in climate engineering to design its reliable and robust mobile HVAC solutions. Deployed in theaters of operation and extreme environments, they power tents, shelters, and medical facilities. The range is based on two models: the Zephyr, a versatile all-terrain air conditioning solution, and the Sirocco, capable of covering larger volumes. Both have an electric heating option.



REFRIGERATED CONTAINERS



Since 1955, Zhendre has been designing robust refrigerated containers capable of maintaining temperatures as low as -20°C when the outside temperature is $+50^{\circ}\text{C}$. Self-sufficient thanks to their integrated generator, they are designed for harsh environments and areas with limited infrastructure. The main supplier of food storage containers to the French Army, Zhendre also equips several European and international armies, as well as the United Nations for its peacekeeping operations around the world.



CONVERTED CONTAINERS



Zhendre uses its expertise in container conversion and thermal management to design turnkey containerized solutions tailored to the operational needs of the Armed Forces. Whether a communication hub, sensitive storage facility, or workshop for maintaining equipment in operational condition, each module offers a mobile, durable, and robust work environment designed to operate in extreme environments.



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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

Soframe relies on :

- a dynamic sales team able to accurately identify customer needs
- an expert design office that develops flexible and innovative solutions
- cutting-edge, flexible, and cross-businesses industrial capabilities within the Lohr Group to produce with controlled quality, optimized costs, short lead times, rapid ramp-up and high capacity.
- MRO specialists offering comprehensive in-service support.

HRV – HEAVY RECOVERY VEHICLE



The HRV is a logistical workhorse utilizing a civilian 8x8 chassis to optimize mobility while reducing maintenance and logistics costs.

It is equipped with a tow arm for tow-pull and tow-lift modes (wheels, axles, or kingpins), a hook crossbar, and a powerful winch, allowing the recovery of immobilized vehicles up to 50 tons GVWR.

Optional rotating boom and dual-winch systems enable recovery in hard-to-reach areas without repositioning the truck.

A modular armored cabin ensures crew protection against high-intensity threats : kinetic projectiles, artillery shell fragments, Anti-Tank Mines, IEDs and CBRN agents.



MULTIPURPOSE LOGISTICS CARRIER



Designed for maximum sustainment, our carriers deliver critical supplies across any theater, from rugged backcountry to urban centers.

Featuring a modular architecture, these platforms are rapidly adaptable to specific cargo and towing needs, ensuring seamless integration.

Robust and resilient, Soframe's logistics solutions guarantee that the right material reaches the right place at the right time.



TRAILERS AND SEMI-



Soframe manufactures high-performance trailers and semi-trailers to maximize the logistical capacity of military and security forces.

These robust solutions enable the secure movement of heavy equipment, munitions, and specialized modules across challenging terrains.

Focused on structural durability and seamless integration with existing tractor fleets, our platforms optimize resource distribution and enhance power projection.



IN-SERVICE SUPPORT



At Soframe, guaranteeing ISS is essential, so we provide continuous support throughout your vehicles' and equipment's lifecycle. Our dedicated team centralizes all requests for technical support, warranty claims, repairs, and troubleshooting. We coordinate with industrial partners from our 2300 m² state-of-the-art workshop. Our services include: managing technical events, monitoring warranty claims, conducting expert on-site assessments, repairing damaged or crashed vehicles, subassembly repairs (NTI3), and providing long-term on-site technical support.



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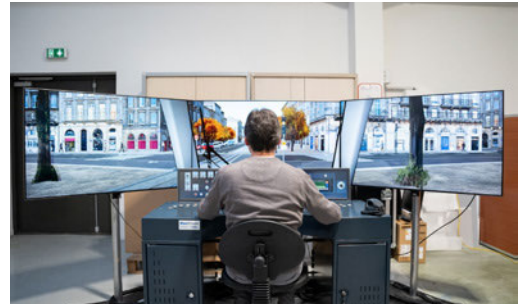
SOGECLAIR

SOGECLAIR SIMULATION develops advanced simulation, virtual reality and high-fidelity training solutions for the aerospace, defense, rail and automotive industries. Combining engineering expertise, immersive virtual environments and cutting-edge software technologies, we deliver realistic simulation, testing and decision-support systems that enhance operational readiness, safety, innovation and performance in complex and critical environments. Our teams support customers throughout the entire product lifecycle, from design and manufacturing to certification and in-service support worldwide.

ADVANCED RAILWAY SIMULATION AND TRAINING SOLUTIONS



We develop high-fidelity railway simulation solutions designed to improve safety, operational readiness and efficiency for urban, intercity and freight networks. Combining advanced 3D environments, realistic train dynamics and signaling systems, our simulators provide immersive training for real-world operations, emergency scenarios and decision-making, while ensuring scalable deployment and long-term performance worldwide.



HIGH-FIDELITY DEFENSE SIMULATION SOLUTIONS FOR AIR, LAND AND NAVAL TRAINING



SOGECLAIR delivers high-fidelity defense simulation hardware for air, land and naval training. From engineering to manufacturing and support, the company provides realistic cockpits, avionics, vehicle simulators and naval replicas with advanced HMI fidelity to maximize operational readiness and training efficiency.



DRIVING AUTOMOTIVE INNOVATION THROUGH ADVANCED SIMULATION SOLUTIONS



AVSimulation develops advanced automotive simulation software and solutions to support innovation, safety and performance across the mobility sector. Its technologies help engineers and researchers address challenges in sustainability, efficiency and vehicle development through high-performance simulation environments.



SIMULATION OF SYNTHETIC ENVIRONMENTS & IA



SOGECLAIR SIMULATION develops advanced simulation, virtual reality and testing solutions based on the SE-Workbench multisensor simulation software. Its expertise covers stealth and camouflage, guidance and navigation, radar and decoy systems, as well as augmented vision technologies for critical missions and all-weather operations.

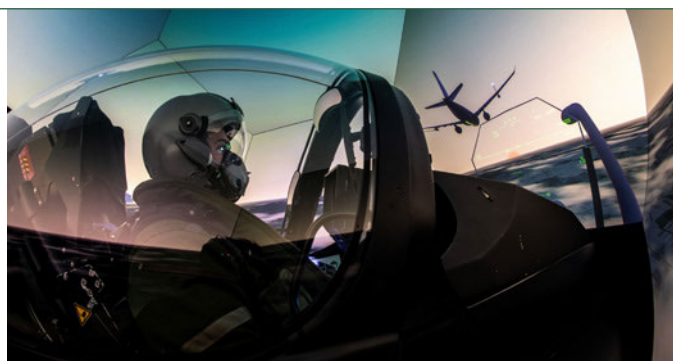


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SOGITEC

As a world leader in simulation systems dedicated to aeronautical training, SOGITEC supports its parent company, Dassault Aviation, in defining and promoting comprehensive training offers for its French and foreign customers, across the entire spectrum of military aircraft: from Rafale and Mirage 2000 fighter jets to helicopters and UAS.



HELICOPTER TRAINING & SIMULATION



SOGITEC develops interoperable mission training systems covering the full spectrum of helicopter crew training, from procedural instruction to advanced tactical missions. Designed in close cooperation with operational users, those simulators combine high-fidelity simulation, immersive technologies and interoperability to prepare forces for increasingly complex and collaborative operations.

Selected by Airbus Helicopters for the H160M HIL simulators and already supporting the NH90 programs for the French and Finnish armed forces, SOGITEC provides highly realistic and operationally focused solutions.

Mission training for complete helicopter crews

- Tactical flight operations
- Air assault and air mobility missions
- Crew coordination and mission rehearsal
- Low-level tactical environments
- Sensor and payload operator training



HORUS



Mixed reality training for helicopter mission crews

SOGITEC HORUS is a mixed-reality simulator dedicated to helicopter mission operational specialists, including door gunners and hoist operators.

Immersed in realistic tactical environments, crews train procedures, coordination and decision-making under near-real operational conditions. Connected to virtual flight simulators and instructor stations, HORUS enhances cooperation between pilots and rear-cabin operators during complex missions.



DRONE TRAINING & SIMULATION



Operational feedback from recent conflicts confirms the growing importance of drones in reconnaissance, ISR and strike missions. To address the resulting training needs, SOGITEC developed GENIUS, a modular and interoperable drone simulation solution.



GENIUS



Modular drone mission training

SOGITEC GENIUS covers the entire training spectrum, from basic instruction to advanced tactical mission rehearsal.

Designed for multiple categories of UAS and payloads, GENIUS enables crews to operate within highly realistic synthetic battlefields integrating:

- Air, land and maritime environments
- ISR and targeting missions
- Tactical coordination & threat simulation
- Drone and loitering munition operations

Powered by the new APOGEE X image generation, GENIUS delivers high-end visual realism and immersive operational training.



MANNED-UNMANNED SIMULATION



Combined helicopter & drone operational training

Modern high-intensity operations increasingly rely on cooperation between helicopters, drones and command structures.

“Manned-Unmanned Simulation”

To prepare forces for collaborative combat, SOGITEC develops interoperable simulation environments enabling helicopter crews, drone operators and command posts to train together in the same synthetic battlefield.

Interconnected with constructive simulation systems such as MASA Group SWORD solution or VBS4 from OneArc, SOGITEC solutions support:

- Multi-domain operational training
- Real-time collaborative missions
- Tactical coordination between manned and unmanned assets
- Integration of new tactical effects and platforms

This approach enables realistic training scenarios combining helicopters, drones, land forces and command centers within a consistent operational environment representative of modern conflicts.



STÄUBLI

Stäubli is one of the leading manufacturers of quick release couplings, with over 70 years' experience in providing high-quality connection solutions for all types of energy in all industries.

Our expertise and global presence allow us to participate in all major international projects to provide highly effective and high performance technical solutions for targeted applications.

Stäubli develops quick connection solutions that are ideal for extreme operating conditions at sea, on land and in the air. With broad and profound expertise in the most specific applications, Stäubli offers an unlimited response to its customer's requirements.

We cover very demanding applications such as liquid cooling, air conditioning, oxygen generating, refuelling, breathing air, hydraulics, etc.

STÄUBLI - ADVANCED CONNECTION SOLUTIONS FOR EVERY INDUSTRY



Stäubli ensures reliable and quick connection of refuelling hoses and refuelling tools on fuel logistics operations.

As examples the french army's TOE-NG, CCNG or Atlante trucks are equipped with our HCB28 product to connect the different types of refuelling nozzles.

Ideal for refuelling applications, HCB28 safety quick couplings guarantee clean, non-spill disconnections.

Crafted from high-resistance aluminum alloy, they're lightweight and can be fitted with a hand wheel for easy handling.

Thanks to the design and the automatic locking at the end of process the connection is very quick and reliable.

The Carapace trucks are equipped with our symmetrical full flow VSU38 coupling, suitable for motor pumps, distribution systems, fuel supply hoses, collapsible storage tanks, etc.



STÄUBLI

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STERELA

STERELA Defense is a French manufacturer of advanced live-fire shooting training systems for armed forces and security organizations. With more than 35 years of experience and over 20,000 targets deployed worldwide, STERELA provides modular and field-proven solutions for infantry, tactical, urban, and anti-armor training.



SIT200M – PORTABLE STATIC INFANTRY TARGET SYSTEM



The SIT200M is a lightweight and rapidly deployable static target system designed for temporary and expeditionary shooting ranges. Engineered for military and security force training, it combines mobility, modular ballistic protection, and reliable operation in harsh environments.

Compatible with non-lethal ammunition up to 12.7 * 99 mm, the system offers multiple target exposure modes including turning, pop-up, and scissor movements. It can be remotely controlled via smartphone, tablet, or PC, with several operating modes ranging from manual control to fully scripted training scenarios.

With IP66 protection, extended battery autonomy, and operation from -25°C to +60°C, the SIT200M provides a robust and flexible solution for realistic live-fire infantry training.



MAT400 – MOBILE ARMORED TARGET SYSTEM FOR ANTI-TANK LIVE-FIRE TRAINING



The MAT400 is a rail-mounted mobile armored target system designed to replicate realistic anti-tank engagement scenarios on live-fire training ranges. Operating on elevated rail infrastructure, it enables dynamic movement of armored vehicle silhouettes, providing highly immersive training conditions for anti-armor crews and combat units.

Capable of carrying targets up to 4 * 2 meters and 150 kg, the MAT400 supports NATO-compliant vehicle silhouettes and integrates advanced accessories such as thermal patches and infrared/visible light projectors for day and night training. The system operates at speeds up to 32 km/h on tracks ranging from 100 to 2,000 meters, including curved sections and slopes, allowing the simulation of realistic evasive maneuvers and battlefield movement.

Featuring automated, manual, random, and fully scenario-driven operating modes, the MAT400 enables sophisticated tactical exercises with configurable hit-to-kill logic and synchronized target exposure. Built for intensive outdoor use, it combines high autonomy, IP55 environmental protection, advanced fail-safe mechanisms, and long-range radio control to ensure reliable and secure operation in demanding training environments.



TITAN DEFENSE

TITAN DEFENSE is the global *specialist in refueling solutions for military use in tactical environments, including high mobility and flexible fuelling capabilities.*

We design, manufacture and support tactical refuellers, hydrant dispensers, containerized solutions, deployable systems and equipment for special operations and FARP.

TITAN DEFENSE offers maintenance and refurbishment services as well as expertise in training and technical support.



TACTICAL REFUELLER



The **TITAN-ZR7** is the last high mobility refueller designed by **TITAN DEFENSE**.

Built on a Mercedes Benz ZETROS 6x6 chassis, this tactical refuelling vehicle, dedicated to the armed forces in advanced fields, can make impressive crossings, up to 0.8 m and 35° climb.

Adapted to harsh environments, this off-road chassis supports a complete petroleum unit composed of a 7,000L tank and a refuelling module. For this vehicle, the torsion-free platform of the tank offers better off road capabilities.

The unparalleled flexibility offered by the torsion-free technology ensures the infallibility of the fuelling unit.

Even the most uneven terrain can be traversed without risking damage to the tank.

This high-performance refueller can reach a flowrate of 1300 LPM thanks to 2 hoses, underwing and overwing, with interchangeable nozzles and pressure-controlled flowrate.



HYDRANT DISPENSER



The **TITAN DEFENSE** high flow rate hydrant dispenser is equipped with 2 deck hoses, with a flowrate of 1500 LPM each, as well as a 25 m hose at 1000 LPM.

Used by the French Armed Forces, this hydrant dispenser is daily deployed on hydrant airports, on all types of military aircraft, in particular in-flight refueling type A330MRTT, KC135.

Commercial refueling is possible because all EN and JIG safety standards are taken into account from the design stage.



5000 L AIRCRAFT REFUELLER



TITAN DEFENSE 5000L refueler is a compact vehicle adapted to refuel on base.

Equipped with a distribution line of 30m, with a flow rate of 400 LPM, with interchangeable nozzle, this vehicle can refuel rotary wing. It can also provide defueling functions.

It is compatible with all types of fuel.

Road homologated (ADR), the refueller is also international aviation standard compliant (JIG, EN).



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TOUTENKAMION GROUP

Toutenkamion Group is a French industrial group specialising in mobile mission-critical solutions, with annual revenues of €50 million and a workforce of more than 400 employees. The Group is recognised as a European leader in the design, manufacturing, and integration of mobile units, shelters, and embedded systems supporting defense, training, simulation, and operational support activities.

Combining advanced engineering expertise with strong industrial capabilities, Toutenkamion Group develops deployable mobile solutions designed to support operational readiness, mission preparation, and in-field support under severe environmental conditions.

Supporting customers throughout the entire project lifecycle, the Group provides end-to-end capabilities ranging from system integration and qualification to in-service support, MRO services, spare parts management, and lifecycle support.

MOBILE UNITS FOR SIMULATION AND MISSION-CRITICAL TRAINING



Toutenkamion Group designs, manufactures, and integrates mobile simulation and training solutions for immersive and operational training environments deployable from military bases to field operations.

Designed according to customer requirements, our mobile units can accommodate a wide range of simulation and training equipment to create realistic and immersive operational environments. Integrated systems may include visual, audio, motion, and sensory technologies, as well as dedicated HMI equipment such as driving stations, firing simulators, tactical radios, communication systems, and mission computers.



TRAINING CAPABILITIES WHEREVER OPERATIONS REQUIRE



Built for rapid deployment and operation in severe environments, our mobile units combine robustness, autonomy, and maintainability to support reliable and repeatable training conditions.

Advanced design, manufacturing, and integration capabilities enable Toutenkamion Group to incorporate a large range of training and simulation technologies, including full mission simulators, VR/AR/MR equipment, instrumented training stations, motion and sensory interfaces, performance assessment systems, and embedded communication or computing equipment.

Available in multiple configurations — carriers, shelters, semi-trailers, or expandable units — our mobile solutions can be tailored to specific operational, logistical, and training requirements.



MOBILE TRAINING SOLUTIONS FOR MULTIPLE OPERATIONAL APPLICATIONS



Our mobile simulation solutions support numerous applications, including:

- > Military training: driving simulators, firing simulators, command and control systems, tactical mission preparation
- > Driver training: trucks, light vehicles, motorcycles, rail systems
- > Medical training: operating room simulators, patient care and emergency response training
- > Fire and rescue training: fire propagation, smoke management, emergency intervention scenarios

By bringing simulators closer to military personnel and operational environments, our mobile solutions reduce infrastructure constraints while improving accessibility, responsiveness, and training efficiency.

We have successfully delivered mobile simulation platforms for simulator manufacturers, defense industries, armed forces, and government defense organizations, supporting mission-critical training programs worldwide.



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TRANSPORTS CAPELLE

With many years of experience working alongside the armed forces, Transports Capelle applies its expertise to the transport of military equipment, vehicles and sensitive cargo. Whether it be standard or special transport, or logistics and storage, our teams are well versed in the specific requirements of the defence sector. In addition, our specialist training center provides all technical and regulatory skills, you need.



STANDARD TO HEAVY AND OVERSIZED TRANSPORT



Europe's leading specialist in oversized and heavy haulage, specializing in the transport of machinery, military equipment, and aerospace equipment. These operations take into account all the constraints associated with oversized transports, in particular the planning and implementation of safety corridors to ensure the continuity of routes and risk management throughout the journey.



SENSITIVE PARCELS AND SPECIALIZED TRANSPORT



From sensitive parcels transported by light commercial vehicles to full heavy haulage operations, Capelle Group manages the delivery of special and regulated goods — meeting the most stringent safety requirements, including ADR compliance and the handling of ammunition. Our expertise spans the entire supply chain, ensuring safety, regulatory compliance, and risk management at every stage from France to Europe.



TRAINING CENTER SPECIALIZED IN ROAD TRANSPORT



Our accredited training center, specializing in road transport, provides comprehensive support to transport industry professionals — with a particular focus on heavy goods vehicle operations. Our specialized defense-sector training addresses key operational needs such as loading and unloading procedures, transport trailer use, and cargo safety through proper blocking and lashing techniques.



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UTILIS

For nearly 30 years, UTILIS has been designing deployable tent and container solutions, developed as close as possible to operational realities. Through close cooperation with armed forces, its systems combine robustness, responsiveness and adaptability.



ENSURING CONTINUITY OF OPERATIONS

True multi-purpose operational toolboxes, UTILIS solutions make it possible to rapidly create command areas, logistics support spaces, maintenance zones, accommodation, storage facilities and medical care units. They therefore contribute to unit autonomy in austere environments, continuity of operations and more efficient resource management.



UTILIS TENTS: INTERNATIONAL BENCHMARKS FOR RAPID DEPLOYMENT

TM™ and TMS™ tents, as well as the **MAG 20**, are proven references for the rapid deployment of small- to large-scale infrastructure. Interconnectable, they make it possible to quickly set up a command post, logistics shelter, medical area, living zone or **COLPRO-compatible capability**. The MAG 20 stands out for its lightweight design, weighing only 50 kg and transportable on the back. These solutions ensure operational continuity in constrained environments.



ELYTRON™ AND DRACO™: MULTI-PURPOSE PROJECTION SOLUTIONS

Available in 3.1 and 5.1 formats, **ELYTRON™** provides an ultra-mobile, compact and highly modular solution for rapidly projecting integrated capabilities: command post, medical post, living area or logistics support. In addition, **DRACO™** brings a new-generation operational solution designed for signature reduction, autonomous projection and high-intensity engagements. Its lateral deployment system with liftable arches provides an operational surface in less than 4 minutes.



BY YOUR SIDE FROM DESIGN TO TRAINING

From design to on-site training, UTILIS supports forces in turning field constraints into levers for agility, resilience and operational efficiency.



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VITEC

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.

DIAMOND-H



MGW Diamond-H is a flexible and powerful 4K HDMI portable encoder for live video dissemination or site-to-site streaming within defense & security markets. It features an impressive size, weight and power (SWaP) characteristics. It provides best-in-class video quality over industry standard video/audio connectivity. MGW Diamond-H supports 4K HDR video streams and offers up to 4 low latency streaming outputs from 2x HDMI or 1x SDI inputs. MGW Diamond-H can be used to distribute the encoded output of a source across a network, whilst simultaneously being viewed locally on a user's screen (e.g.: in a control room) using HDMI loop-through. Inbuilt Power over Ethernet (PoE+) makes it easy to integrate.



VSN SERIES



A powerful and scalable video wall solution. Supporting projects with video wall requirements of any scale, VSN Video Wall Controllers are designed for use in a variety of environments ranging from stadiums and venues to command & control rooms and defense installations. The VSN series provides solutions for discrete and demanding video wall requirements, with the range featuring both compact desktop, and high-density, rack-mounted chassis options.



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.



PRISM SFF



PRISM SFF is a high-performance broadcast transcoding system for real-time or file-based workflows. It preserves KLV STANAG metadata for defense ISR/FMV applications, supports all major codecs and streaming protocols, and fits in compact tactical environments.



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*Quand l'excellence
devient **VITALE***



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