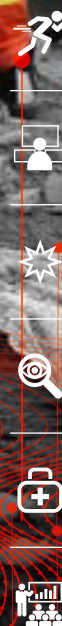


SECURITY

HELPED

HUMANITARY EMERGENCY LOGISTIC PROJECT & ECO DEVELOPMENT



GICAT

The French land defence and security
industry association

More than ever before, the world is facing a growing number of multifaceted crises, impacting security, health, the economy, the environment and industry. And although we already have risk and crisis management processes and doctrines to respond effectively to an emergency, the succession of these disasters requires constant adaptation on the part of all the stakeholders, both public and private, governmental and voluntary, as well as greater resources.

Europe is experiencing recurrent fires and frequent floods, and Africa repeated droughts. Industrial disasters such as the explosion in the Port of Beirut are causing deep-rooted trauma in our societies. Population displacements are leading to serious health issues, pushing humanitarian needs up to record levels. Energy shortages barely mask the environmental crises already looming on the horizon.

Yet, this stressful climate also reveals the strengths of our society and bears strong values within itself, such as commitment and solidarity. Faced with this troubled world, willpower and determination will be an integral part of the solution. Once again, the response must be collaborative and collective, hence the increasingly significant and coordinated resources being mobilised by the public and private organisations involved. Our defence and security industry is, therefore, a key player in rising to the huge challenge that crisis management represents.

On this premise, and given the multiplication and intensification of human-induced and environmental disasters, Eurosatory 2022 structured the French industrial offering dedicated to civil protection, illustrated by a demonstrator named **HELPED** (*Humanitary Emergency Logistic Project and Eco Development*), based on a product approach geared to the needs of the players involved.

HELPED is the creation of a new sector of industry, an unprecedented multidimensional capability providing practical solutions in response to crises that are increasingly complex and difficult to foresee. Like the industrial sector behind it, it aims to produce a targeted, comprehensive offering to fully support organisations in all types of crisis, throughout the response, stabilisation and normalisation process.

For GICAT, HELPED represents a new capability-driven approach for the stakeholder companies. This initiative adds a new dimension to the Defence - Internal Security - Civil Protection continuum, by broadening our group's scope of action to include the protection of people in the face of environmental, health, social and cyber disasters.

The companies showcased in this brochure are all involved at various stages in crisis management and can meet the following needs:

- # Mission preparation and implementation
- # First response
- # Projection and mobility
- # Networks, energy and control
- # Shelter and rest
- # Subsistence
- # Treatment and care
- # Human remains
- # Security and safety
- # Reconstruction and normalisation

Structured dialogue between public and private crisis management stakeholders is vital for the stability of our world. With HELPED, GICAT's member companies are fulfilling their role and rising to their responsibilities by bringing a new response to the needs of our civil protection forces.



Marc DARMON
President of GICAT



MISSION PREPARATION & ANTICIPATION

Controlling as many variables as possible and analysing existing data are essential, and the information system must also be protected against cyber-attacks. Secondly, action in the field requires training and simulated exercises as well as trained, multi-skilled men and women to deploy aid and equipment and ensure its operational readiness.

AREAS: analysis, anticipation, training, assistance organisations, etc...



FIRST RESPONSE

As soon as a dramatic event occurs, a first response must be launched with a specialised team to deal with the initial emergency. If this cannot be done by road, air transport is essential to reach inaccessible zones. This requires multi-purpose equipment, suited to rapid deployment and immediate use by a small but highly agile team having lightweight and connected means ensuring maximum autonomy. In any response, there are always unknown factors that must be anticipated with multi-purpose, easy-to-use solutions and equipment.

AREAS: detection / reconnaissance and identification of threats, first aid equipment, light land / air / sea vehicles, mobile communications, robotics, etc...



POWER PROJECTION & MOBILITY

Logistics transport must be able to reach theatres of operation in non-permissive or disputed environments that cannot be reached even by high mobility land vehicles, as fast and as far as possible. This mission can be achieved with cargo aircraft, new-generation airships, transport helicopters and even logistics drones. Projection requires loading and unloading logistics capabilities, autonomous energy sources and terrain management, ranging from mere stabilisation and crossing, to trafficability and earthworks.

AREAS: logistics, transport, engineer field works, mine clearance, handling, etc...



CONTROL CENTRE, NETWORKS, ENERGY, STORAGE, THROUGH-LIFE SUPPORT

Communications, fluids and energy networks form mobile integrated assemblies and sub-assemblies that must be robust and reliable. They generally take the form of containers or containerisable units serving several functions, including providing radio communications between response teams and operators, supplying camps with electricity and water, and storing and monitoring fleets and personnel. A crisis and management centre is at the heart of the system.

AREAS: communications, management / distribution, alternative energies, storage, fluids, maintenance, etc...



SHELTERS & REST TROOP SUPPORT

During human-instigated or natural disasters, climatic conditions can be extreme and require highly resistant, low-consumption (water, energy, etc.), easy-to-use equipment. France has great capacities for the production of quality tents and shelters which, with adaptations and equipment, can also fulfil a wide range of functions such as those specific to field hospitals or CBRNe decontamination airlocks.

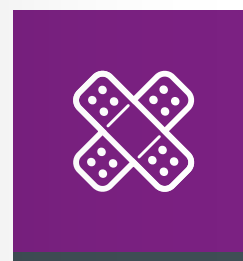
AREAS: shelters, tents, hygiene, troop support, waste treatment, air-conditioning, laundry, etc...



SUBSISTENCE, WATER TREATMENT & SANITATION

The rapid need for drinking water and food is a priority. Once the emergency phase is over, conventional food supplies need to be varied and cooked. Like all other installations, these facilities must be stand-alone, robust and easy to use.

AREAS: drinking water, food / rations, field kitchens, refrigeration...



MEDICAL SUPPORT PHYSICAL & MENTAL REHABILITATION

French manufacturers can provide capacities to integrate and produce shelters and tents for medical, surgical and care units. These units are already operational in the areas of humanitarian aid and other assistance to populations. In the context of individual care, medical experience in war and disaster situations shows that injuries are not just physical, but also psychological. Good waste management and easily decontaminated equipment are also very important.

AREAS: field hospitals, ambulances, treatment, care, physical and mental rehabilitation, etc...



HUMAN REMAINS

The bodies of people who lose their lives in the context of war, disasters or migration must be treated with respect and dignity, and the remains of unknown deceased persons must be identified.

AREAS: transport, identification, care, funeral services, etc...



SAFETY & SECURITY

Whether the source or consequence of the crisis, criminal threats represent such a broad spectrum that they are always difficult to apprehend. The experience gained in the defence industries is naturally an asset. An emergency facility is obviously sensitive to this type of threat, especially when governance is "poor". Security must be managed upstream, with services and resources that reduce vulnerability and provide a graduated response to violence.

AREAS: environmental safety (firefighting, pollution, poaching, awareness-raising, protection), life and property safety, early warning and cyber security, etc...












RECONSTRUCTION & NORMALISATION











Providing assistance to people and their environment always requires rapid detection, protection and sometimes decontamination or even depollution of impacted zones. Response units are faced with complex threats that can affect mobile rescue and search resources, as well as the response teams.

AREAS: rebuilding infrastructure, roads, bridges, etc..., and cyber infrastructure...

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ACTUAPLAST

FRENCH BRITTANY SME, LOCATED IN LA FORÊT FOUESNANT,
EXPERT IN CUSTOMIZED PRODUCTION OF PLASTIC PARTS,
FOR MORE THAN 20 YEARS

Our Defense - Security's Team supports you, from the study to the production of your projects, requiring plastics processing.

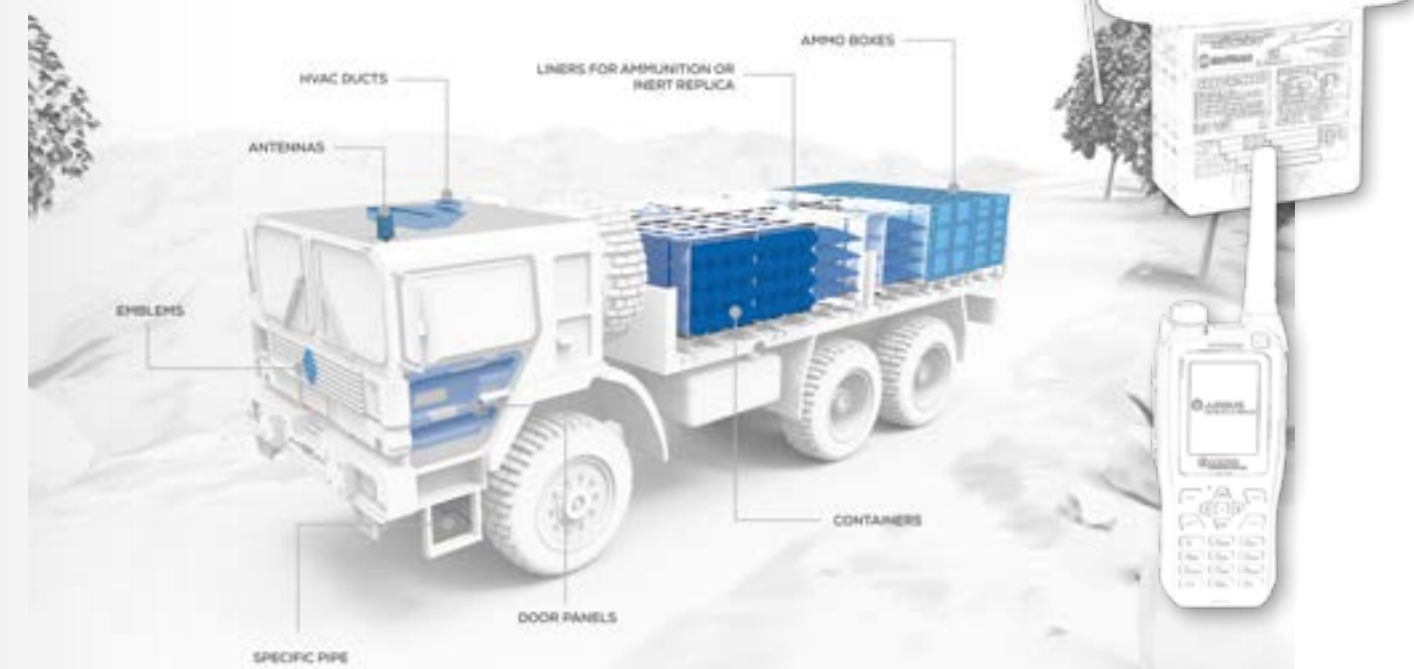
The partnership with **Actuaplast**, guarantees you to benefit of its know-how for different processes, on a single manufacturing factory in France. You can contact us, our Team is ready to study your requests/projects.

Our technologies:

- # Rapid prototyping, 3D printing
- # Design and production of prototypes from unity up to dozens of parts
- # In house Design and mold manufacturing
- # Production of parts in small and medium quantities, by vacuum molding, injection and extrusion blow molding process
- # Part finishing: assembly, marking, etc...

Production examples in Actuaplast:

- # Vehicle parts: interior trims, emblems, air ducts, hoses and pipes
- # Plastic containers: military storages, tanks for fluids (water or fuel), handling boxes
- # Dummies replica for demining exercises and training
- # Electronic housings: communication terminals, rescue beacons, distress beacons, trackers
- # Drone and ROV parts: fairings, empennages, fins, fuselage parts



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ActuaPlast
GROUP



AIRBUS HELICOPTERS

THANKS TO THEIR VERSATILITY AND FLEXIBILITY, HELICOPTERS PLAY A KEY ROLE IN CRISIS MANAGEMENT

Airbus Helicopters is working across the world with public and parapublic organizations involved in safeguarding communities and the environment. Rotary wings ensure unequaled access to disaster stricken areas, allowing swift evacuation of populations and the transport of first responders and their gear.

Humanitarian relief can also be carried by helicopters in the most remote areas. Helicopters can also be used for observation and command and control from the air.

Airbus Helicopters is the world leader on the civil market with a comprehensive offer ranging from the light H125 to the heavy H225, enabling a large array of missions. For firefighting, the H125 offers unequaled performance in terms of payload, endurance and agility. Easily reconfigurable it can be used as a water bomber or as transport helicopter with a hook capacity up to 1,400 kg. Aircraft from the Super Puma family (H215 and H225) have demonstrated their rugged design, payload performance, cost efficiency and ability to operate in the most difficult conditions. They can be used either for troop transport or as water bombers.

The H135 and the H145 have been widely deployed across the world for missions serving communities, including emergency medical evacuation, search and rescue and law enforcement. The H160 is now in service with the French Navy for search and rescue missions. It will soon become operational for border protection and surveillance missions with the French customs and for law enforcement with the Gendarmerie Nationale. Military helicopters from the Airbus Helicopters military range have also often been called to action for disaster relief or humanitarian missions, as shown recently by the NH90s of the German Air Force and the New Zealand Air Force.



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AIRBUS



THE ALTEN GROUP

WORLD LEADER IN ENGINEERING AND IT SERVICES

ALTEN is involved in all phases of the product cycle for industry's technical departments: consulting and specifications, R&D, design, production engineering and customer support.

Founded in 1988 and established in more than 30 countries, ALTEN has become a world leader in engineering and IT services. With a turnover of more than €3.78 billion, ALTEN currently has 55,000 employees and supports the growth strategy of more than 6,500 customers in the areas of innovation, R&D and information systems. As a leading partner, ALTEN is recognised for its ability to integrate constraints related to its customers' confidentiality, its knowledge of the most disruptive technologies and its proactivity in developing key skills.

With more than 2,900 defence consultants working in 20 countries, ALTEN is now a true partner to defence manufacturers in France and internationally in all engineering businesses. Each year, more than 1,000 accreditations are issued to engineers working on strategic projects related to the development of embedded systems and applications, cybersecurity and maintenance covering all products in the sector. In particular, the Group is involved in strategic programmes in France (SCORPION, CONTACT, PANG, SNLE3G, Rafale, Archange, etc.) and Europe

(GALILEO, FCAS, etc.), and contributes to securing critical government infrastructures.

The Group's global reach enables it to support French and European DTIBs in their exports and to foster international synergies for the benefit of its strategic partners.



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ARMORIC HOLDING

SHERPA 4X4 P R O – REINFORCED OCCUPANT PROTECTION VERSION

This vehicle in the Reinforced Occupant Protection version, combines a high performance capability of extinguishing aircraft and other equipment fires or any other engine with a very high level of occupant protection thanks to its armored cabin.

Presented with a SCANIA chassis, it was developed by the ARMORIC HOLDING's group company SIDES, a specialist in fire-fighting vehicles and ESSONNE SECURITE, expert in armoring, which has demonstrated its know-how notably through the vehicle CA-RAPACE deployed in OPEX. The vehicle is perfectly suited to airport fire safety in hostile environments.



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ARTEM INFORMATION & STRATÉGIES

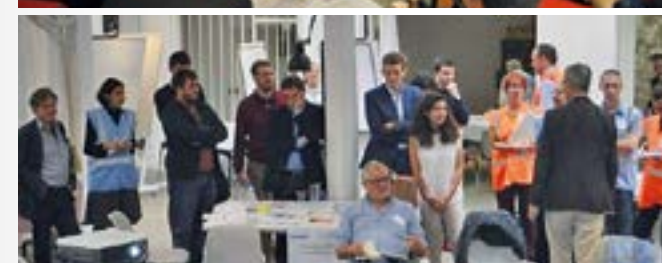
GET READY FOR CRISIS, MASTER THE RESPONSE

As a specialist in guiding and preparing our clients (major accounts, institutions) for risk situations and crises, our company has been intervening for two decades in France and abroad during situations where our clients' assets, personnel, continuity, image, or mission success are threatened.

Our core business is the preparation of our clients through situation analyses, training modules, and crisis management simulations, specifically tailored to our clients' challenges, issues, and objectives. We contribute to the analysis of the strategic and operational context, formalize risk and threat analyses, as well as decipher the power dynamics and interrelations of the stakeholders in the considered environments.

We train executives and operational staff to master the various roles and missions within their crisis cells. We ensure they can effectively manage information during a crisis and anticipate situations through a combination of training, scenario planning, and procedures that we help complete, rewrite or formalize if necessary (crisis management, cyber, crisis communication, business continuity, etc.).

As part of our support, we develop scenarios of potential situations, model interactions between different stakeholders (especially by exploiting tactical matrices developed internally), and create stakeholders maps, all to enable the taking or retaking of the initiative in risky situations. Our goal is to prepare our clients to face these situations with confidence and control. This support is provided upstream of specific operations and projects, in the normal course of operations, as well as in the face of potential or proven incidents, thereby contributing to the security/safety of operations and the stabilization of crisis situations.



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ARTEM-IS
 INFORMATION & STRATEGIES



BODY ARMOR RECYCLER

SINGLE USE / SHORT TERM USE BLANKETS FOR EMERGENCY SITUATION

These blankets are made of a water repellant cover filled with recycled fibers. The filling material can be even cotton or flame retardant, mix. Using a flame-retardant filler provides more security for storage or use (a cigarette cannot ignite the blanket).

Available in 3 sizes, made in France and fast production:

- # **Light weight:** 110 x 190 cm - 400 g - cotton filling
- # **Heavy weight:** 130 x 200 cm - 900 g - cotton filling
- # **Flame retardant:** 110 x 190 cm - 400 g - FR filling

Body Armor Recycler provides circular recycling programs from garments to blankets and complete demilitarization programs for a wide range of equipment's.



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bodyarmor
RECYCLER



CEGELEC DÉFENSE

THE TRUSTED PARTNER FOR THE PROVISION OF EMERGENCY AND CRISIS RESPONSE CONTAINERIZED PROVEN EXPEDITIONARY SUPPORT COMMODITIES

Cegelec Défense, an expert in field-proven deployment support solutions for defense and security forces, has developed, in partnership with emergency services (SAMU), Medical Sanitary Units (MSUs).

These **advanced medical stations**, folded into a 20-foot ISO container, can be deployed in less than an hour and can accommodate 12 to 18 patients in varying levels of urgency, from absolute to relative. They come equipped with all necessary medical equipment, including oxygen distribution, scopes, and stretchers. They are self-sufficient in terms of energy, lighting, and air-conditioned. The MSU is transported by a truck with hydraulic hook and is air transportable.

Initially designed to respond to exceptional medical situations such as disasters or terrorist attacks, they have proven their utility in the context of hospital reinforcement and the COVID-19 crisis.

Cegelec Défense also addresses chemical risk with its **Mobile Decontamination Units**, based on the deployable shelter structure packed into a 20-foot ISO container. The MDU features eight decontamination lines (2 for patients on stretchers) and can decontaminate 80 patients per hour. It meets the hospital's need to have a response capacity to handle a large influx of victims. It can be deployed near a disaster-stricken area to preserve the functioning of the hospital infrastructure.

Cegelec Défense also offers an extensive range of crisis command and management solutions with operational command posts, either on trailers or in standalone containers, integrating associated communication capabilities (C4ISR, briefing, and situation analysis). These deployable units are self-sufficient, climate-controlled, and air-transportable.

The range of emergency response resources is complemented by water treatment units used by Civil Defense and the Armed Forces. These units, available in portable modules or containers, use ultrafiltration and reverse osmosis to treat any available water source and provide water suitable for human consumption, with production rates ranging from 40 to 400 cubic meters per day.



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Cegelec
Défense



CENTIGON FRANCE

ARMORED SOLUTIONS SINCE 1948

Centigon France is a recognised European leader in the field of armouring, security and defence. With over 70 years of expertise, the company offers a complete range of solutions tailored to the most demanding requirements.

Your protection is our priority, which is why our vehicles are designed using the latest innovative technologies and materials. They are also certified to the highest ballistic standards by independent testing bodies.

Discretion, reconnaissance, intervention, action: armoured civilian vehicles, special forces vehicles or military vehicles for strategic missions, **Centigon France** customises the design of its products with several hundred options to meet the precise and unique needs of each customer.

Centigon France offers reliable products and services of the highest quality. We also provide specialised training and comprehensive technical support to ensure proper maintenance and optimum availability anywhere in the world.

More specifically, **Centigon France** specialises in the design and conversion of 3 ranges of armoured solutions - although other customised solutions can also be offered:

The FORTRESS 300: Centigon France's armoured version of the famous TOYOTA Land Cruiser, in its most recent version (LC300), designed to carry out a wide range of missions (escort / authorities, intervention, etc.).

The armoured Ford Ranger: the protected 4X4 pick-up, meeting the needs of many players in homeland security (patrol, security, surveillance, etc.).

The armoured truck cab: several levels of STANAG 4569 protection are available, with the same comfort and ergonomics as the unprotected cab, entirely designed and produced in Europe.

Thanks to its production capacity, know-how and ballistic expertise, **Centigon France** can offer multiple levels of protection covering ballistic threats (handguns, assault weapons, AP) and explosive threats. The company is firmly established in Lamballe (Brittany) and Antony (Ile de France).



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COGES EVENTS

ORGANISER OF INTERNATIONAL BTOB EVENTS FOR DEFENCE AND SECURITY

A commercial subsidiary of GICAT, COGES EVENTS organizes events to promote, in an original way, the products and services of European and international companies working to protect women and men in the event of conflicts, human and environmental crises.

In collaboration with the private sector, **COGES EVENTS** has created a SoS (System of System) in the form of a demonstrator named HELPED for **Humanitarian Emergency Logistic Project and Eco Development**. HELPED was displayed for the first time at EUROSATORY 2022.

Comparable to a «Swiss army knife» for crises, HELPED is a modular set of systems and services capable of responding to any type of humanitarian or ecological disaster. It can be positioned at any logistics site with sea, air, or road projection capabilities. HELPED is also intended to be a center of excellence, a multi-disciplinary training center, and a showroom for manufacturers and aid organizations.

For the first time, **COGES EVENTS** will open an indoor exhibition area dedicated to the demonstrator at **EUROSATORY 2024**. It will be aimed at European and international companies whose products and services are designed to help resolve humanitarian and environmental crises.

This specific area will allow visitors to discover industrial and governmental expertise in responding to the multiple, multiform crises that affect populations.

The 2024 edition will focus on rebuilding physical and cyber infrastructures, as well as people (physical and psychological).

For further information: <https://www.helped.care/>



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CROSSCALL

RUGGEDIZED AND WATERPROOF SMARTPHONES, TABLETS AND ACCESSORIES

The French specialist in critical communication

Crosscall has distinguished itself from other telephony players by the unique relationships it has created with its customers and the staff who use its products. This proximity enables **Crosscall** to design solutions that are optimally adapted to the specific needs identified for each sector, even going so far as to offer fully customised solutions when required. This design process was applied in particular to the development of the CORE-X4 Neo, the smartphone currently used by the French Gendarmerie and National Police, as well as the CORE-Z5. The development of the technical specifications for these smartphones is the result of a large number of meetings and workshops with national and regional police officers, firefighters and paramedics. This consultation process has been essential in understanding and responding to their specific needs and has enabled, for example, the creation and ideal positioning of customisable buttons dedicated to group communications, which can be used with gloves on and in the rain without the need to glance at the phone.



Crosscall, a specialist in mission-critical communications, is responding to the challenges of this fast-changing sector, which will soon be migrating to high-speed communications solutions. Its CORE-Z5 smartphone is the world's first 5G smartphone to support bandwidth 68, a secure frequency reserved for public safety in most European countries. The French brand has also developed the X-COMM, the market's first remote microphone speaker with dual connection, wired and Bluetooth. With its innovative products designed to last, **Crosscall** meets the most specific needs of the most demanding professionals.



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DAHER

A LOGISTICS OPERATOR THAT BRINGS MULTI-DIMENSIONAL SOLUTIONS TO CRISIS MANAGEMENT RESPONSE

Integrated crisis management

Global management capacity for a forward-deployable, modular and rapidly-operational mobile base in a crisis situation:

- # GICAT-COGES logistics partnership with a line-up of French and European suppliers based on the requirement for critical equipment modules, with logistics management of the supply chain;
- # Operations at a logistics platform having in-stock equipment that is categorized by classification of criticality (Class 1/2/3) and located in the immediate vicinity of the airport area;
- # Management of documentation & declarations;
- # Global charters to the crisis zone based on set deadlines.



Three classes of equipment

1 CLASS SURVIVAL EQUIPMENT

- # Flexible tanks and water Pumps
 - # Helicopter landing zones
 - # Compact generators
 - # Survival rations
 - # Tents and lightweight Shelters
 - # Canteens and First aid containers
 - # Telecommunications containers
 - # Basic engineering means
 - # Equipment stocks for nuclear, radiological, biological or chemical events
- # In-stock 24/7 at a national platform
- # Available in the crisis zone < 48 hours

Very critical equipment / Long lead times

2 CLASS DEPLOYMENT EQUIPMENT

- # Engineering means
 - # Water treatment systems
 - # Palletized food rations
 - # Kitchens and refrigerated storage
 - # Electric generators and high-power distribution
 - # Living and Command zones
 - # Basic-level field hospitals
 - # Means of communications and security
 - # Maintenance and track resources
 - # ...
- # In-stock at the national level (at the logistics platform or at the equipment manufacturer)
- # Convergence of equipment at the national platform: kitting, packaging, dedicated transportation and delivery to the crisis zone within 7 days

3 CLASS STABILIZATION EQUIPMENT

- # Living shelters (dormitories, kitchens, toilets; etc...)
 - # Hospital shelters
 - # Ambulances, Transportation vehicles
 - # Securing the supplies
 - # ...
- # In-stock at the national level (in the logistics platform or at the equipment manufacturer) for equipment with a long cycle time > 2 months
- # Production and delivery to order for equipment with short cycles < 2 months
- # Available in the crisis zone within 3 months

Less critical equipment / Short lead times

Daher is represented in more than 95 countries through its network of agents, freight forwarders and specialists in trade show logistics and defense logistics.

In addition, **Daher** designs and produces equipment for crisis management, including a full range of modular shelters and sanitary canteens that are adapted to humanitarian crisis situations.

SUPPLIER MANAGEMENT

Integrated management of critical equipment suppliers to ensure the coordination of logistics for the resources to be deployed

CHARTER AIR CARGO < 24H

Chartering of cargo aircraft (AN12, AN124,...) in less than 24 hours. Management of transportation to the final destination, including in disaster or conflict zones

ADVANCED WAREHOUSE LOGISTICS

Receiving, warehousing, packing, packaging and shipping from advanced warehouses at the national level

FREIGHT FORWARDER

Integrated management of complex means of transportation in any theater of operations: charters of ships and aircraft, handling of hazardous material

MANAGEMENT OF THE TRANSPORTATION NETWORK

Coordination of transporters offering services adapted to the equipment shipping requirements (Road, Rail, Maritime and Air). Dedicated management of critical flows

CLEARANCE

Management of customs declarations: AEO (Authorized Economic Operator)

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DESCHAMPS

FRENCH SME SPECIALIZED IN TEMPORARY GROUND REINFORCEMENT AND STABILIZATION SOLUTIONS

DESCHAMPS is present worldwide and has a subsidiary in the USA. Since 1860 its know-how in high added value textiles allows to offer proven equipment for extreme uses.

Our wealth of experience and in-house engineering, design and compliance teams allow us to meet ever-changing market needs.

DESCHAMPS generates quality product ranges. Since the Balkan conflict, its helicopter landing pads/surface (helipad), temporary roadways, amphibious landing and camp flooring have been deployed in all theaters of operations.

Moreover, **DESCHAMPS** ground improvement mats and temporary roadway dispensers are used in a wide variety of countries, supporting troops and vehicles in all possible terrains from mud, to soft sands and snow. With its profound understanding of the customers' requirements, **DESCHAMPS** helps its customers worldwide to achieve optimum operations during their strategic missions. Government projects and military applications require superior performance, compliance and product reliability.

With over 20 years of product innovation, **DESCHAMPS** comprehensive Mobility Material solutions have supported government, peace keeping and military projects across the world. With the wide scope of approvals and versatility, our products have proved to be ideal solutions to support ground and air deployment expedient infrastructures projects at home and abroad.



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DOCARET

YOUR AMBITIONS, OUR EXPERTISE

Engineering, Maintenance, Repair and Operation, Training & Learning Solutions.

Our experts are dedicated to improving our clients' industrial performance in manufacturing and operation of Defense Systems in sea, land, air and space.

For over 40 years, **Docaret** is a recognized partner for providing skilled professionals in Engineering, Manufacturing, Maintenance, Repair and Operation as well as Technical Publication.

We develop training material and offer on-site and on-line training services. Our unique content aggregator maximizes knowledge retention for in-

class lessons. **Docaret** can also manage your training centers at every level.

Through our subsidiaries we provide a wider range of complementary services for our clients.

Yatic designs and develops software solutions for Embedded systems as well as custom Applications and Platforms. Its services include the Design and Deployment of Networks and Infrastructures.

Track & Locate offers a cutting-edge solution for monitoring production assets and optimizing Supply chain & Manufacturing processes.

To support your efforts in Communication and Marketing our internal team of project managers and graphic designers will take your events and brand impact to the next level.

We stand out for our ability to quickly find the right expertise for your projects and deliver sustained efforts to reach your most challenging goals.

Let's team up to shape a new era in your activities.



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DUST MOBILE

CYBER DEFENSE MOBILE OPERATOR

DUST MOBILE was created with two means goals, not cover until there:

- # protect cellular transmissions from intrinsic mobile networks threats & vulnerabilities
- # optimize service coverage and resiliency by leveraging all available network connectivity

The solution, Cybercell Suite, offers secure and resilient mobile communications locally and worldwide to protect privacy, mission critical transmissions and out-of-band network connectivity.

Cybercell Suite is designed to support their customer against cyber threats and cellular networks malicious attacks: interception, impersonation, position tracking, denial of service...

The secured proprietary SIM card integrates natively resilience, protection, detection, real-time alerts and barriers against cellular network malicious attacks and SIM card attacks on 2G, 3G, 4G LTE and 5G NSA mobile networks standards such as signaling, SIM, cellular and core networks MitM.

DUST MOBILE is leading a cyber defense evolution with a disruptive proprietary that works worldwide, across 214 countries and territories supported by 731 cellular network partners.

The solution is device agnostic (smartphone, IoT and M2M), seamless and transparent for any application and end-users.

Priority is given to protecting critical business operations with an integrated set of services to thwart mobile advanced intelligence to detect, prevent, block and respond to sophisticated malicious applications attacks and exploitable network vulnerabilities.

The Selfcare provides real-time visibility into communications security, cellular environment, network signaling, threats and counter-measures.

The solution map is:

- # Protect privacy and sensitive information
- # Work remotely
- # Crisis management and ad-hoc com's
- # Improve resiliency
- # Critical infrastructure and secure "pop-up" network
- # Operational readiness and network failover
- # Machine to Machine Secure Connectivity
- # Secure networking connected objects – IoT / IIoT



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dust
MOBILE



EASYCUBE

EXPERTISE IN CONSTRUCTIVE SOLUTIONS FOR REINFORCED DEFENSE IN THE MOST HOSTILE AREAS AND CRUCIAL MISSIONS, ENSURING SECURITY AND EFFICIENCY.

Since 2010, Easycube has been offering innovative constructive solutions. With our integrated design office and experience, we support you from A to Z in your project, from the in-house conception to the on-site maintenance.

We are specialized in quick and cost-effective deployment of temporary or permanent installations, even in the most challenging international access areas.

As a single point of contact, we provide the complete project management, saving your time and ensuring an optimal efficiency.

We place a great importance on the environment and social responsibility. Our constructions comply with ecological standards, with a reduced carbon footprint thanks to high-quality insulating materials and a 90% dismantling/recycling process.

Additionally, we promote job creation and training of local population.



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easycube
Innovative construction solutions



ECOSUN INNOVATIONS

PLUG AND PLAY OFF-GRID AND MOBILE SOLAR SOLUTIONS

ECOSUN Innovations, an entity of the ECOSUN group, has been created in 2015. In 2020, EDF group joined the capital with 29%. ECOSUN Innovations designs, manufactures, and sells a full range of innovative and cost-effective Plug & Play solutions. Our solar power and storage plants do allow our customers to bring energy into remotes areas and mobile operations.

Over the years, our range has become the largest and most innovative in the market, with to date more than 100 units multi-sites around the world (Africa, Europe, Latina America, Middle East, Asia).

The applications for our solutions are varied: rural electrification, humanitarian, mining operations, civil engineering, construction sites, events, defence operations, farming pumping, waste treatment or else ecotourism.

The product range includes containerized Plug & Play solutions, trailers, solar frames, conversion and storage cabinets + containers etc... to cover all usages and to fit perfectly to the CAPEX/OPEX related to every individual project. Systems can be mobile, semi-mobile or stationary.

The **ECOSUN Innovations** range combines performance, economy and protection of environment by making available a clean and secure source of energy, sustainable over time and suitable for all types of sites.

Our mobile solutions bring a new form of green energy at an affordable and reliable price anywhere in the world. The solar energy generated doesn't pollute, and replaces the fossile energy at a price per kWh 5 to 10 times lower. The negative impacts on the environment are significantly reduced.

In opposition to fossile energy, our generators will limitate the CO2 emissions.



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ELYNXO OPTRONICS

HIGH PERFORMANCE OPTRONICS, DESIGNED AND MADE IN FRANCE

NATO supplier with exclusive contracts for the manufacturing of various optronic products with several European military forces.

The company has strong engineering capabilities in optics, mechanics, electronics, and software. Based either on its own specifications or on specific requirements from its customers, **ELYNXO** works from prototyping up to serial production and intervenes along the complete product life cycle, including maintenance.

Day and thermal sights, portable optronic systems

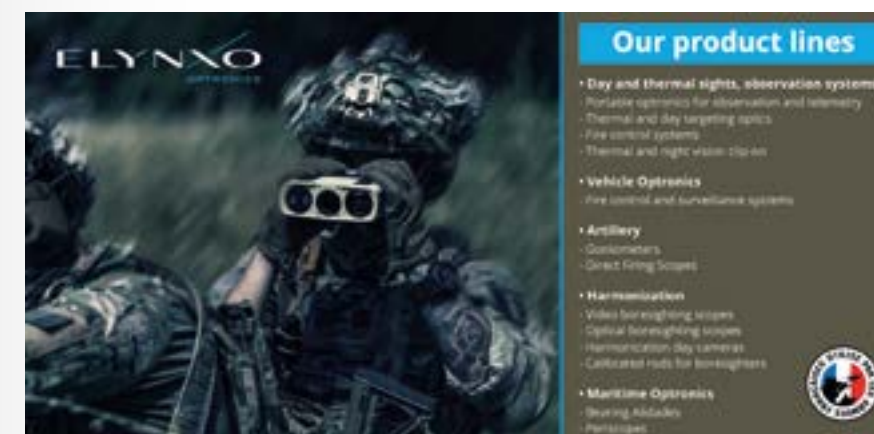
ELYNXO's portable optronic systems cover the operational requirements of special operations: intelligence, engagement, accuracy, robustness, reliability, etc.

In 2022, **ELYNXO** displayed VIRTUOSE™, a new-generation multifunction monocular with a unique combination of thermal imaging and direct light path within the smallest footprint on the market. It features a highly robust design, extreme compactness and lightness (850g), and an instinctive HMI.

Moreover, Virtuose™ includes a long distance LRF and various sensors allowing extraction of target coordinates, recording and sharing of video streams, connectivity with smartphones or other platforms and applications (mapping, tactical situation management, ballistic computing, ...) making it fully operational for battle management integration.

Vehicle Optronics

Our high added-value and highly resistant solutions can be easily integrated into every new wheeled, tracked or armored vehicle for surveillance, boresighting and fire control applications.



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Artillery

ELYNXO offers artillery solutions significantly improving accuracy in all conditions, as required in a high intensity combat situation. Our combat-proven products, used in many armies, benefit from a worldwide reputation based on their quality, efficiency and reliability.





EXAVISION

SPECIALIST IN SECURITY AND SURVEILLANCE SOLUTIONS FOR EXTREME CONDITIONS

EXAVISION, European recognized SME and EQUANS subsidiary, global leader in the energy and services industry, designs and produces EO/IR optronic solutions (EOS) for critical missions

EXAVISION is dedicated to serve its customers by developing innovating optronic and software solutions to ensure Detection, Recognition and Identification tasks in harsh environmental conditions.

We target to become an international leader to supply optronic and software solutions for Critical Infrastructure Protection, Industry and Early Fire Detection markets.

Our value position is based on 3 axis:

- # **OPTRONICS EXPERTISE:** We develop & manufacture innovating product and software
- # **EASE OF USE:** We develop innovating solutions to ease optronic solutions adoption
- # **SERVICES:** We propose an adapted range of services to support our customer from pre-sales to after sales (training, maintenance, on-site technical assistance and hotline).



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EXPLEO

EXPLEO'S INNOVATION SUPPORTING THE BATTLEFIELD DIGITALISATION

Against a backdrop of heightened competitiveness and the quest for national sovereignty, the defence sector requires rapid innovation to meet the challenges of battlefield digitalisation, predictive equipment maintenance and optimised data management.

With **17,000 highly qualified employees in 40 countries** and **annual sales of 1.3 billion euros**, **Expleo** knows how to **stimulate innovation at every stage in the value chain of its customers in the defence sector, whether on land, at sea, in the air or cyberspace.**

Recognised by the defence industry for its expertise in engineering, technology, and consulting, Expleo supports all players in the sector in the transformation of their activities and in their quest for operational excellence.

With over **40 years of experience** in complex product development, manufacturing process optimisation and information systems quality, **Expleo** boasts in-depth **multi-sector knowledge** and **proven know-how** in diverse fields such as AI engineering, digitalisation, hyper-automation, cybersecurity and data science.



Expleo's capabilities: Battlefield digitalisation

Our technological capabilities and engineering expertise (digitalisation, cybersecurity, autonomous drones) can support the needs of the armed forces in this strategic area for the benefit of force protection.

Predictive and improved maintenance

Our experience and expertise in other industrial sectors can be applied to the needs of the armed forces, whatever the environment (Air, Land, Sea).

Optimising data management

Improving visibility and operational decision-making (C2, C4ISR, etc.) to support tactical awareness.



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FACTEM

LEADER IN AUDIO ACCESSORIES

Based in Normandy, FACTEM is a French company, active in both civil and military sectors and particularly in the land field. FACTEM designs and manufactures quality products for voice transmission in harsh environments. The company controls all stages from design and development to industrialization, production and product life cycle management. FACTEM wants to promote and get recognized the quality of its products and know-how, 100% «Made in France».

The RSM80

The RSM80 is a two-way remote speaker microphone designed for communications in harsh environments. Its ergonomic design makes it intuitive and easy to use for the operator. **FACTEM's** expertise in acoustics and its R&D experience guarantee high-performance and robust products. The RSM80A is compatible with the old and new generation radios used by the Forces in various operation theaters in France and abroad.

Thanks to the development of a new version, (the RSM80W), **FACTEM** is now in a position to respond positively to the needs of all operators on the eve of the major events to come in our country (Olympic Games, Rugby World Cup).

Handsets

FACTEM has been manufacturing the tactical handset for the PR4G radio for more than 30 years, and now also for the new generation of software radio: The CONTACT. High-performance, rugged and waterproof, the handset range can withstand the harsh environments encountered by field users.

ALS125

Available in single or dual-channel, the ALS125 loud-speaker, can be used in vehicles, shelters or command rooms, in conjunction with an intercommunication system, sound broadcasting system or radio-communication equipment. Its wide frequency range and volume control ensure high audio quality even in noisy environments.



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FULLSCALE

EXPERT IN ELECTRONIC, EXPERT IN THERMAL IMAGING, EXPERT IN HELPING YOU TO SEE THE INVISIBLE

FullScale is an electronic design and manufacturing office expert in high performance thermal imaging solutions.

In most of the case, thermal imaging cameras are made of optical parts, detector, enclosure and of course high-end electronic parts. The aim of this electronic part is to manage (non exhaustive list) detector interface, detector control, image enhancement, image processing, image recording, shutter control, external interface to a computer or micro-Display, ...

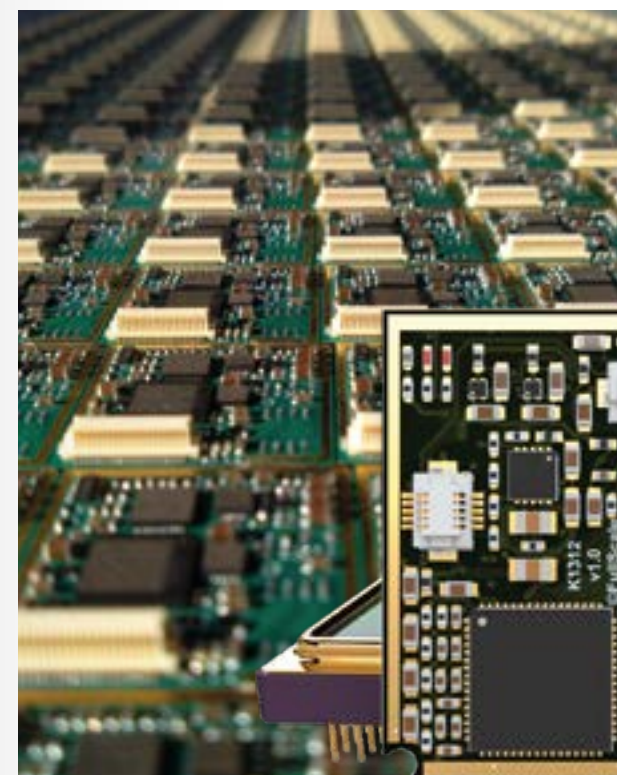
Since more than 10 years, **FullScale** imagines, defines, designs, manufactures, tests and validates such electronics. We provide to our customers these critical sub parts that can be integrated in any thermal imaging camera.

FullScale ships their electronic boards all around the world, over Europe, North and South America, Asia, Middle East and Australia.

Field of applications is large: Defense, Electrical Wiring maintenance, Checking 3-phase equipment, First responders, Security, Health, Mechanical Installations, Gas Detection, Heat loss, Inspection, Automotive, Agriculture and so many others!

Each time a thermal imaging camera may be needed, **FullScale** can provide the electronic solutions to help their customers saving time, money and effort. For the Defense market, our electronics can equip goggles, Thermal Weapon Sight, tracking systems or targeting systems and can be mounted on drones, rifles, guns, vehicles, rockets/missiles or as infantry personal equipment.

Feel free to contact us if you ave any questions, for all your future projects related to thermal imaging or if you're looking for a new job !



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GIE DEFENSE NBC

PROTECTING TOGETHER – THE EXCELLENCE OF THE FRENCH CBRNE DEFENSE AND PROTECTION INDUSTRY

For more than 30 years, the GIE Defense NBC brings together innovative PME's, subsidiaries of large groups and research laboratories from the French CBRN Defense industrial base that contribute to the excellence of operational responses in an area of national sovereignty.

Moreover, the evolution of the threat (the military aggression, the terrorism or the industrial accident), the evolution of the nature of the aggression (nuclear, radiological, biological or chemical) and the respect of the environment are a permanent concern of the group with associates over time new skills to offer adapted solutions.

Privilege are these strong links with French authorities for the knowledge of the operational context and its fields of expertise and products in the CBRN field, **GIE NBC** promotes, internationally, the control of the security forces, the populations and territories, and creates a fertile context for the development of its member companies for export.

GIE NBC' missions are:

detection, identification, monitoring
individual protection – collective protection
decontamination – medical countermeasures
dismantling – waste treatment – systems.

The following companies are members of the consortium:

ADETESTS, BERTIN TECHNOLOGIES, CEGELEC DEFENSE, CEA, HEMERIA, HOWA TRAMICO, JACOBI GROUP, MIRION TECHNOLOGIES, NBC-SYS, NUOVA, PAUL BOYE TECHNOLOGIES, PROENGIN, SERB PHARMACEUTICALS, SP DEFENSE, UTILIS, THALES.



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GROUPE DCI

YOUR CAPABILITY BUILDING PARTNER

DCI Group is the operator of the Ministry for the Armed Forces for the transfer of know-how to France's Partner countries. French operator, European Union implementation actor and NATO *Affiliated Body*, DCI Group offers its institutional and industrial partners tailored solutions for all capability development needs so they are able to meet regional and international security challenges.

DCI Group operates across Defence and National Security domains, offering tailored services of military education, operational training & simulation, provision and support of operational assets, Defence & Security expertise (audit, consulting & assistance).

DCI Group covers the whole spectrum of the French Armed Forces know-how - Army, Air Force & Space, Navy, Internal Security (Gendarmerie) and Defence Procurement (DGA) - while also taking into account triservice fields such as command & control (C2), intelligence, surveillance and reconnaissance (ISR), cyber defence, UAVs, counter-UAVs, special forces.... Internal Security trainings that can be arranged in France or in partner countries include: UAV operations, Counter-UAV operations (C-UAV), site protection, maritime security, counter-terrorism, VIP protection, sniping and counter sniping, military police, crowd control and restoring order, crisis management, forensic, guard of honor, Special Forces.

DCI Group also provides operational assets (ex: UAV and naval surveillance services), designs and/or operates your training centers, advises and assists your forces and procurement agencies (doctrines, CONOPS, program management and contract monitoring...). **DCI Group's** teams are mainly composed of high-level experts from the French Armed Forces.

DCI Group operates from France, in its centers co-located with the French armed forces, or directly in the customer countries in Middle-East, Europe, Asia, and the rest of the world.



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HUMAN DESIGN GROUP

THE HUMAN-CENTERED VALUE

Human design Group is the french leader in human factors consulting, optimizing the operational efficiency of complex innovations and transformations. For more than 45 years, our multisectoral and multifunctional expertise allowed us to develop a broad vision of human factors issues for a wide variety of projects.

As part of our work in transforming complex or high-risk organizations, **Human design Group** carries out studies on the layout of critical workspaces (Supervision Center, crisis management rooms, etc.), the study and operational evaluation of user interfaces for monitoring and conducting operations. (C4I, big data, IA, etc.). Additionally, we offer our skills in optimizing organizational sizing (staffing, authority sharing, etc.). Our expertise ensures the seamless integration of human and organizational factors (HIP) both in defense and civilian programs.

We have our own innovative technological assets (such as Virtual Reality simulation and psychophysiological measurement of user behavior), optimizing the definition of operational concepts (CONOPS) and the anticipation

of operational performance in critical scenarios (complex system management, crisis management, etc.).

For example, **Human design Group** is the first French player to have developed a protocol to evaluate the operational performance of human-robot interactions (Defense / CoHoMa2 challenge sector), as well as a unique and recognized expertise in operator health and safety (fatigue and stress management), including staff training.

As a European leader in the field, **Human design Group** primarily operates in sectors facing high technological challenges, and involved in complex transformations. These sectors include Aerospace, Defense, Land and Maritime Mobility, Energy (with nuclear expertise), and Health.

Our training courses at **Human design Group** are Qualiopi certified, ensuring the highest quality standards in education and development.



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hdg Human design Group



HUTCHINSON DMS

TECHNOLOGY THAT MATTERS. WORLD LEADER OF ENGINEERED MOBILITY COMPONENTS, SUCH AS RUNFLAT SYSTEMS, WHEELS, AND SELF-SEALING FUEL TANKS FOR VEHICLES WITHIN THE DEFENSE AND SECURITY MARKET

Hutchinson has provided field-tested mobility solutions to the military for decades. That same performance is available to Paramilitary and Special Operations Forces as well as Civilian Security application.

All types of vehicles can be subjected to the dangers of an attack from from gunfire, mines and shrapnel. To increase survivability, a vehicle with the appropriate protection is required.

Tyres can be the primary target to immobilize a wheeled vehicle. A vehicle must escape at high speeds or complete its mission with one or all the tyres flat. **The Hutchinson family of runflats systems** have proven to be priceless for the protection of the passengers. The different Hutchinson runflats are relied upon worldwide to ensure mobility and safety in all-terrain and combat situations. Our **high performance multipiece composite CRF** or our **100% fully compliant rubber runflat VFI** make it possible to adapt to all configurations depending on the exact needs and specifications of the customer.

Hutchinson Aluminium wheels have been field-tested and continue to perform in all major military conflicts. That same performance is available in a low visibility package. A Hutchinson wheel, with a high mobility runflat and/or beadlock combination, **has the appearance of a standard original equipment wheel but with an increased load capacity and mobility.**

Self sealing solutions, this is particularly important for the fuel tank where damage can both immobilize the vehicle and cause a fire or explosion which could be dangerous to law enforcement personnel and passengers.

Vehicles equipped with a Hutchinson SafeTank solution can complete the mission and return all occupants safely. The Hutchinson **SafeTank** is **protected by a specially developed light self-sealing outer coating.** Entry and exit holes seal instantly, retaining the fuel inside the tank and minimizing the potential ignition of spilled fuel. This protection is applicable on most fuel tanks and can be applied on existing fuel tanks.

Our sales and engineering team will configure or design **the appropriate solution** of Runflat, wheel, SafeTank in case our standard range does not meet your exact expectations requirements.



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HUTCHINSON®



INEO DEFENSE

SPECIALISES IN THE DESIGN AND INTEGRATION OF INTELLIGENCE SYSTEMS, SECURE INFRASTRUCTURES AND SPECIALISED TELECOMMUNICATIONS NETWORKS FOR THE ARMED FORCES

The company controls the entire life cycle of its products and services, from innovation to operational maintenance and repair in complex environments.

An expert in the innovation and production of command, surveillance and intelligence systems, **Ineo Defense** operates in three strategic business areas:

Critical Communications & Intelligence

Designer of information solutions

- # Infrastructure networks
- # Long-distance links (VLF to SHF)
- # Theater networks
- # Intelligence (Electromagnetical, Meteorological and Topographical)

Need: Guarantee the dissemination and integrity of sensitive information transmitted ; Intercept and analyse information emitted by radiocommunication and/or radar means.



Securing environments

Designer of solutions guaranteeing the security target

- # Securing fixed and mobile operational systems (Faradisation and Radome)
- # Site security (access control, intrusion detection and video surveillance)
- # Critical infrastructures and utilities (operational energy and water treatment)

Need: Guarantee the technical integrity and operational autonomy of sensitive sites and systems.

Operations management and support

A global solution for your operations

- # Fleet and equipment management (Maintenance Repair Operation)
- # Logistics and supply support
- # Operational deployment support (peacekeeping and crisis infrastructure)

Need: Guarantee the technical and operational availability of equipment and have reliable capacity resources anywhere in the world, whatever the circumstances.



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National Public Warning Systems (FR-Alert in France)
Public Warning System for local authorities and enterprise clients (Trela)
Location and routing of emergency calls
Risk prevention and crisis management

INTERSEC

EUROPEAN LEADER IN TELECOM METADATA AND LOCATION INTELLIGENCE SOLUTIONS

Our solutions guide telecom operators and governments to build tangible value out of telecom metadata, from efficiently warning people in case of danger to accurately locating and routing emergency calls to the most relevant PSAP.

Nearly one billion mobile devices are connected to our solutions around the world, and our public warning solutions cover more than 30% of the population in the European Union.

The French Ministry of Interior has entrusted the company with the deployment of **FR-Alert** throughout the country. This new tool allows any user with a cell phone to receive an alert related to a nearby risk. French public authorities can now send targeted, context-sensitive alerts to the mobile phones of citizens and visitors located in a danger zone in the event of a major risk and communicate safety instructions to protect themselves.

With the **Trela** solution, Intersec also enables local authorities and enterprise clients to seize a new solution for risk prevention and management to complement the action of the government and the prefectures. Built around a central cartography linked to the French government's geohazard databases, with access to all

digital communication channels and precise targeting of alert distribution zones, Trela gives mayors the power to warn their inhabitants of any risk instantly within their territory.

At Intersec, "*Privacy by Design*" goes well beyond accepted standards: it assures regulatory compliance, no matter where our clients operate.

Learn more at intersec.com.



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JOHN COCKERILL DEFENSE FRANCE

A TRAINING CENTER WITH UNPRECEDENTED CAPACITIES

In Campus Cockerill®, a training center with unique capabilities in Europe, John Cockerill Defense designs, conducts and supports end-to-end theory-to-practice trainings for its customers from the government as well as private and industrial sectors in the fields of security and safety. Its dedicated, modern and secure organization enables the acquisition of skills and the preparation of missions, individually and collectively, right up to actual implementation in the field.

Our strength lies in:

- # Our ability to tailor each service to the customer's specifications, nationalities and resources.
- # Technical expertise: our services are run by experienced specialists.
- # An autonomous center: our configurable, intercultural, customer-focused infrastructure can accommodate up to 120 people for short or long stays.
- # Adaptable preparation and training tools: areas, networks, modular workshops, simulation and mission preparation resources.
- # Advanced training facilities and proven logistics: possible access to maneuvering areas thanks to specific agreements; TDG expertise.

Security and Emergency

In addition to training for the defense sector, in response to current security challenges, **John Cockerill Defense** conducts training for security operators at its Campus Cockerill® facilities, either autonomously or under license: security guards, enhanced security guards, emergency personnel, etc.

The modular nature of the site allows for efficient academic learning built around the intensive use of simulation and supplemented by practical application in the field.

Crisis management

John Cockerill Defense offers support for crisis management training by providing its pedagogical and logistical know-how. Its defense expertise, multicultural approach and innovative simulation solutions provide an ideal framework for individual and collective preparation and validation of the operational level of emergency response operators.

Mine clearance, pollution control, protection.

While demand is constant in these fast-expanding fields, **John Cockerill Defense** has designed the framework for training courses in which implementation plays a key role. Access to outdoor areas and implementation zones enables us to offer realistic and safe training courses.



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LOSBERGER DE BOER RDS

WHEN EVERY SECOND COUNTS...

Our strength? We deliver field hospital solutions and CBRN decontamination wherever they are needed, and in record time.

LOSBERGER DE BOER RDS develops rapidly deployable solutions for armed forces, medical personnel, humanitarian organizations and first responders. Our durable solutions are rugged, built to last and of the highest quality.

We have several solutions specifically designed for rapid deployment by first responders worldwide, in CBRN and/or humanitarian crises.

Our mobile field hospitals are designed to meet the highest international standards in terms of levels of care, size and capacity. Designed to be reliable and help save lives, they can be grouped into the following categories:

- # **Role 1:** Advanced Medical Post (AMP).
- # **Role 2:** Surgical unit, to perform resuscitation and life-saving surgery to limit sequelae and stabilize the patient before evacuation.
- # **Role 3:** Medical-surgical hospital, with one or more operating theatres, imaging equipment, laboratories and other medical facilities.

We provide forces with CBRN decontamination solutions that can be used nationally and internationally. **LOSBERGER DE BOER RDS** specializes in instant mass decontamination solutions, designed to be deployed when every second counts.

Our teams are able to operate anywhere in the world, including remote areas with harsh climates, to provide you with the tools you need to do the best possible job, whatever the circumstances.



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MASA GROUP

THE MARKET-LEADING SPECIALIST IN COMPUTER-MODELING AND SIMULATION FOR DEFENSE, CIVIL SECURITY, AND CRISIS MANAGEMENT

MASA Group is a French company specializing in the development of artificial intelligence-based training software for the defense and crisis management markets. The company bases its success on products that combine cutting-edge technology, flexibility, and adaptability.

Our flagship products, **MASA Sword** and **MASA Synergy**, are designed to simplify and optimize the implementation of AI capabilities to automate and reproduce simulated human behavior. They are used by major organizations such as the French Army and 25 other major armies around the world.

MASA Synergy

Synergy software is designed to model human and non-human behavior, integrating data specific to the situation (terrain, environment, etc.). The situations simulated in Synergy are extremely realistic, immersing those involved in crisis units in a wide variety of scenarios.

By generating complete and realistic crisis scenarios, **MASA Synergy** offers all those in charge - whether they be law enforcement agencies, critical infrastructure

managers, or local authorities - an innovative solution that optimizes the effectiveness of crisis and major risk management training programs.

Our software is installed in NATO's Disaster Risk Management Center of Excellence in Sofia, where it is used for military and civilian decision-making training, scenario analysis and research

E.S.E.Q.1, a higher education organization attached to the Faculty of Law and Political Science at the University of Montpellier, uses our software for training courses aimed at future quality - and safety-environment managers.



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MC2 TECHNOLOGIES

HIDDEN OBJECT DETECTION

SACOP, mobile security scanner for crisis situations

SACOP is a security solution developed by **MC2 Technologies** in partnership with the FICHET group. It scans people on the move in real time to detect whether they are carrying dangerous or prohibited objects.

Integrated into a secure container (Fichet), the SACOP solution is immediately deployable in any type of crisis theater. SACOP can control more than 900 people per hour. This unrivalled throughput volume is achieved thanks to the TeraHertz camera technology - MM-Imagers - which enables a flow of people to be monitored without stopping.

MM-Imager is a passive THz imaging system (i.e. it emits no waves), and is totally harmless to people's health. It detects the radiation naturally emitted by the human body and analyzes the image of the body's appearance generated by an artificial intelligence algorithm in real time. The detection software will assist the MM-Imager operator in identifying anomalies.

The MM-Imager camera can detect any type of dangerous object, whether metal (e.g. firearms), ceramic (e.g. knives), gel (e.g. explosives), powder (e.g. drugs) or liquid.

The SACOP solution fits perfectly into a crisis management perimeter, providing a security brick essential to the smooth running and protection of individuals on site, by detecting potential suspicious objects and thwarting attempts at smuggling or attack in the crisis zone.



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MORIN SAS

SPECIALIZED FOR MORE THAN 45 YEARS IN THE MANUFACTURE AND DISTRIBUTION OF MATERIALS AND EQUIPMENT FOR CANINE UNITS

We have a catalog of more than 6200 products to cover all the needs of a dog unit.

From dog equipment, to dog handler equipment, through field or training equipment to hygiene products, care or vehicle fittings. Via one of our subsidiaries we can also take care of kennels and the construction of buildings for canine personnel.

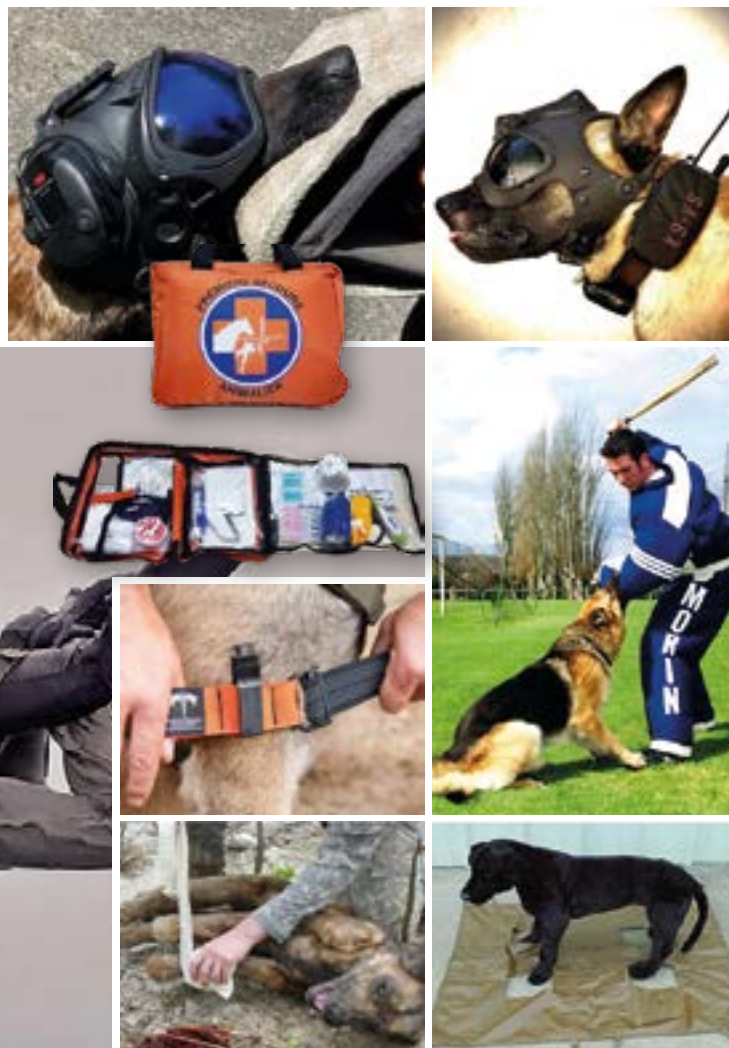
Our group is to date the only one in Europe to cover all the needs of a canine unit whether it is police, army, gendarmerie, firefighters, customs, private security, prison security...

Our expertise and know-how also allows us to offer specific training but also the sale of trained dogs.

Our teams of trainers all come from police, military or special forces units. We have real expertise in the training, training and supply of equipment for assault dogs and detection dogs (narcotics, explosives...).

Choosing **MORIN** is above all trusting a team of professionals from the canine world, we have been and are users of our products, that's what makes the difference.

Like thousands of customers across more than 20 countries, trust us. Our products are available either directly from our company or via our international distribution network.



👤 **Matthieu MORIN** | CEO

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Morin
FABRICANT DISTRIBUTEUR
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MUSTHANE

MOBILITY AND AGILITY FACING DISASTERS AND IN CONFLICT ZONES

Musthane has a significant and successful experience in breakthrough innovations, giving the response forces the necessary equipment to ensure the success of their missions.

Our engineering department skills are based on 2 core expertises:

- # Design and manufacturing of composite and elastomer made products
- # Design and manufacturing of light weight and compact mobility and forward area operation equipment

Fuel or water distribution equipment such as: **fuel** or **water flexible tanks**, aviation fuel **filtration and refueling pumps**.

Mobility improvement: improve your mobility thanks to our **traction mats** as well as our **innovative temporary roadway** mats which can be used on very muddy grounds and recovered for new deployments.

The mats can also make the **beaching** faster during **shore to land operations**. Our mats are also used as a platform for Forward Arming and Refueling Points on sand, mud or snow. Our unique and new generation **night vision beacons** enhance the potentialities of our mats.

Our engineering team will configure or design the appropriate solution in case our standard range does not meet your expectations.



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Musthane



NUANCES TECHNOLOGIES

FRENCH EXPERT IN WIRELESS COMMUNICATIONS CONTROL
FOR OVER 30 YEARS

Nuances Technologies designs, manufactures and integrates tactical solutions intended to control, simulate, detect, intercept, jam, block, locate or secure any type of wireless communication.

Our systems offer permanent electromagnetic protection against many threats: radio-controlled explosive devices, illegal communications, drones, remotely operated devices, etc. Depending on the choice of the user, the systems can monitor, detect and neutralize (or not) the threat.

Portable and quickly deployed on the ground, our systems are dedicated to the tactical support of units whose mission is to ensure security and maintain order. They can be part of a permanent installation for ongoing security or they can be integrated in any type of vehicle. Modular, they are customized for each need.

Capabilities

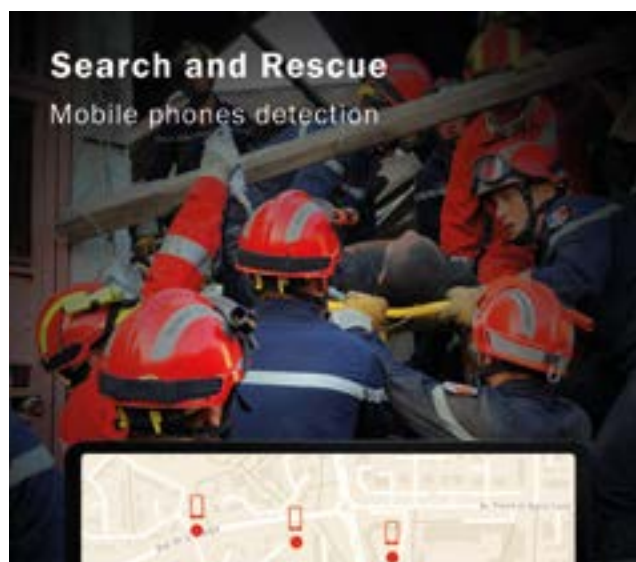
- # Monitor the electromagnetic spectrum
- # Detect wireless communications
- # Identify and locate transmitters
- # Block, jam or select communications
- # Secure communications on any type of territory
- # Provide emergency communications networks
- # Control cellular communications at borders
- # Support search and rescue operations

Solutions

- # Real-time RF sensors for detection and localization
- # Anti-drone systems with safe landing
- # Communications jammers
- # RCIED jammers
- # Long-range communications filtering systems
- # Access control and WiFi monitoring
- # Private mobile communications networks

Services

- # Site survey
- # Specific design
- # Integration
- # Efficiency measures
- # Training
- # Maintenance



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OPPSCIENCE

INTELLIGENCE ANALYSIS MANAGEMENT (IAM)

OPPSCIENCE's Intelligence Analysis Management (IAM) provides a secure and sustainable ecosystem of technologies to generate relevant knowledge from big data through only one access point.

The fluidity of centralised information is crucial to increase efficiency in daily operations and decision-making for peace preservation. The digital reform of security systems is now inevitable for defense and security forces worldwide. **OPPSCIENCE** is a software editor that takes its part to enhance public security through Intelligence Analysis Management technologies within its SPECTRA platform, a Big Data processing and knowledge management software.

The sophistication of criminal activities evolves organised attacks, trafficking, scams, obfuscations of behaviour, identity manipulation... Many layers of subjects and relationships must be accurately understood. Meanwhile, law enforcement agents lose more than 60% of their time manually gathering data from multiple systems before conducting investigations. There is no tool to fully exploit information from existing data to find relevant facts and generate contextual knowledge for a casefile. The risk of missing out on important information rises. Law Enforcement and security industries need to leverage Big Data platform capabilities to organize massive volumes of data, from a variety

of sources, into useful and integral information that contributes to our decision-making. We don't need just information, we need knowledge.

SPECTRA is a software that uses **OPPSCIENCE's** IAM cutting-edge technology. It fuses data of any type, size, source, and format while preserving the integrity of its information. It not only enables secured access to centralized information but correlates the information under the same context.

Unified information is now accessible and presented from a single point without requiring any specific technical skill. It generates real-time intelligence and uses automated features to prioritize its relevancy within the needed context (defined by the end-user), and the information is available in different visualizations (mapping, graph, timeline, relationships, 360° profile...) to make the decision-making process much more efficient.



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KNOWLEDGE
IS THE ONLY SOFTWARE YOU NEED



OUVRY SAS

CBRN PROTECTIVE SYSTEM

Lyon-based industrial SME created in 2003 by Mr Ludovic Ouvry, the eponym company is specialized in the creation, engineering, production and maintenance of personal body and respiratory protection systems, and CBRN decontamination.

It offers innovative products intended for a wide range of operators: soldiers or policemen, firefighters or rescue operators, first responders, public or civil security forces, health, industry, infrastructure and public transport security staff.

Ouvry designs and manufactures its products with a local and European supply chain: more than 180,000 suits manufactured for more than 800 customers in more than 45 countries around the world.

Ouvry presents the entire industrial architecture of a textile company located on the same site, with an international team. By having established its headquarters and its key functions as close as possible to some of its plants in Lyon, Ouvry affirms its attachment to the industrial values of innovation, quality, technicality and professionalism.

In France, Firefighters of Paris, Marseille, a lot of local fire departments and the military units of civil security trusted the company.



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OUVRY
CBRN protective system



PHOTONIS

WORLD LEADER IN THE DESIGN AND MANUFACTURING OF IMAGE INTENSIFIER TUBES AND ALSO OFFERS A LARGE PORTFOLIO OF DIGITAL IMAGING CAMERAS IN DIFFERENT BANDWIDTH FOR SURVEILLANCE AND DEFENSE APPLICATIONS

With over 85 years of experience, Photonis strives to produce innovative night vision through cutting-edge technology to meet the needs of night vision military people in any condition. Over the years, night vision has become a key opto-electronic technology in modern warfare as more and more operations take place by night.

4G+ image intensifier tube

Photonis 4G+ technology offers an ultra-fast Auto-Gating and a reduced light halo for a less glaring image. The high Figure Of Merit (FOM) and extended sensitivity provide operators excellent image quality and clear contrast in low light conditions as well as an ever-increasing performance in tactical missions by faster detection of targets.

With such advanced technology, Photonis enables soldiers' tactical situational awareness, agility and mobility, targeting capabilities and driving abilities during even the darkest night.

Digital imaging cameras for night and day operations

Battlefield evolution requires the use of multiple imaging channels to improve situation awareness while always being connected in 24/7 operation conditions. Photonis provides imaging solutions in different bandwidths from UV to Long Wave InfraRed (LWIR) covering also visible and Short Wave InfraRed (SWIR) bands. All Photonis devices offer high image quality in Size Weight and Power (SWaP) configurations to optimize power consumption and to provide "easy to use solutions" to integrators. Different technologies, such as image intensified tubes coupled with low light CMOS, In GaAs and microbolometers are developed to manufacture high end solutions to fulfill defense applications. InfraRed sensors and intensified cameras have already been field proven in systems like Thermal Weapon Sight (TWS) or Driver's Vision Enhancement (DVE) for vehicles.



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PHOTONIS
Reveal the invisible



PRELIGENS

ARTIFICIAL INTELLIGENCE FOR A SAFER WORLD

Founded in 2016 by two French engineers, Preligens supports defense and security experts in their operational decision-making. By using artificial intelligence (AI) in the processing and analysis of data from satellite images, Preligens offers users a decisive information superiority for the conduct of operations.

Continuous monitoring of strategic sites enables the best possible organization of a potential operation. AI algorithms are capable of identifying and recognizing several key objects (buildings, ships, vehicles, etc.). This is a precious aid for assessing the activity at a given site, or for vectorizing an area that is difficult to access.

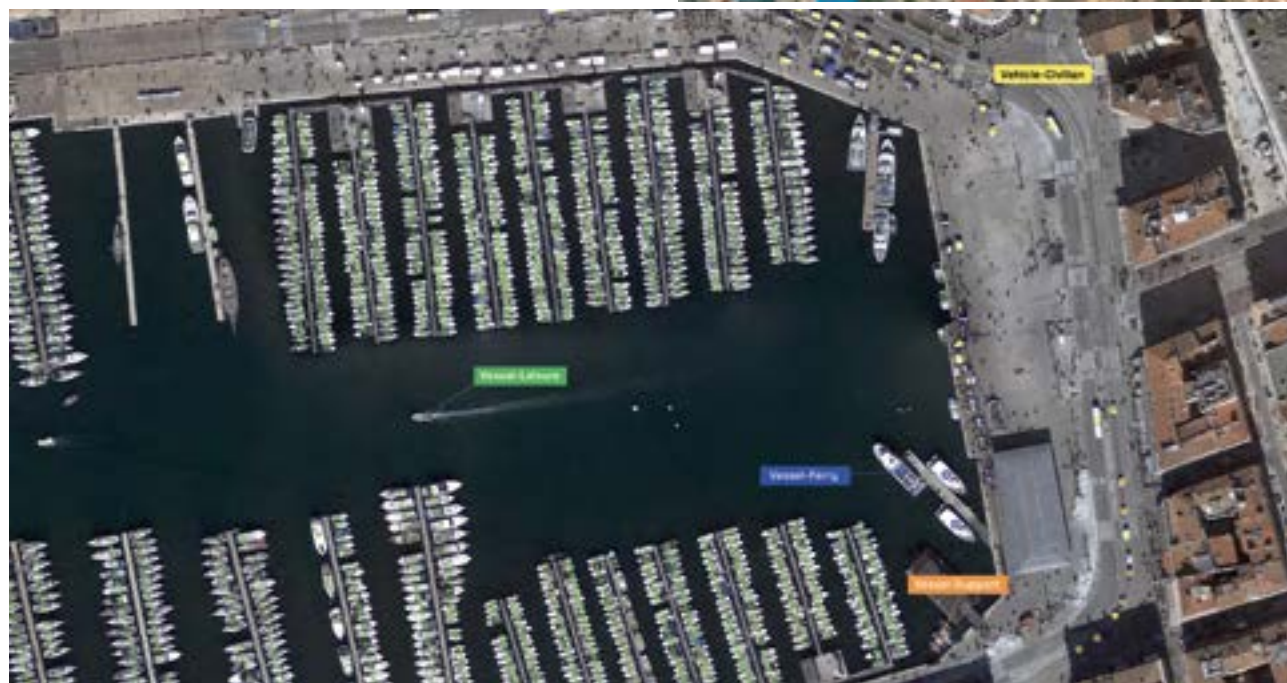
The algorithms developed by **Preligens** are based on machine learning and computer vision. **Preligens** has all the skills required to develop and deploy algorithms on customer sites: from data annotation to training and delivery of the software solution. **Preligens** masters the entire value chain. This know-how is made possible by a specialized research and development (R&D) team, as well as business experts capable of responding to new customer needs.

The use cases for this technology are varied and can satisfy multiple needs, both military and civilian. The opportunities offered by AI contribute to optimizing and multiplying customers' means of analysis and anticipation.



Kahramanmaraş (Turkey) before and after the earthquake of February 2023 © Maxar Technologies / Analytics 2023 © Preligens

Marseille harbour
(2023 © Google Earth / Analytics 2023 © Preligens)



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PROENGIN

EXCELLENCE IN CBRN THREAT MANAGEMENT

PROENGIN offers the most comprehensive chemical and biological detection solutions on the market covering all types of missions from detect-to-alert-to-decontaminate. Thanks to their rugged design they can be used in extreme conditions. Unlike other technologies, library-based ones, **PROENGIN** provides universal and highly sensitive detection solutions. Our offerings have a unique positioning thanks to their ability to detect a full range of threats, regardless of their form—be it gas, solid, liquid, or aerosol.

Detect-to-alert missions are paramount in chemical threat scenarios. Our technology accurately detects CWAs, TICs, PBAs, TIMs, FGAs, & unconventional threats, even in trace amounts. Whether using our handheld detection solution or our solution integrated into systems & UAV/UGV solutions, users receive real-time responses for immediate protection measures, benefiting military, hazmat & law enforcement groups.

Detect-to-protect missions need continuous detection solutions for chemical & biological threats. **PROENGIN** offers off-the-shelf detection solutions, as well as turn-key integrated detection systems for military bases, critical infrastructures & armoured vehicles. Those solutions provide 24/7 protection & thanks to their outdoor design they can withstand harsh environments.

Detect-to-decontaminate is the origin of **PROENGIN** activity. The FPD technology positions our detection solutions as the ultimate tools for assessing decontamination process effectiveness. With our AP4C & S4PF sampling solutions, we can detect the full range of chemical threats in all their forms. In frontline position, our solutions deliver unmatched detection capabilities for people, equipment & assets.

PROENGIN's comprehensive lineup of chemical & biological offerings, integrable into various systems, and open communication detection systems are trusted by military forces, first responders, & Hazmat specialist units around the world.



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PRONAL

DEFENSE & FLUIDS LOGISTICS

Pronal, with over 62 years of experience working closely with armed forces, offers tailored solutions for fuel and water logistics.

Our solutions are highly versatile and can be quickly deployed on-site, easily transported by trucks, helicopters, or vehicles. They are suitable for transportation via land, sea, or air.

In the defense sector, our solutions include:

- # Bolted fuel tanks (RAM): Combining the benefits of conventional steel tanks and flexible tanks for hydrocarbon storage. Capacities up to 135,000 USG (500 m³) for fuel depots. Transportable in two ISO 20' containers. Simple assembly and disassembly in 5/6 days.
- # Pumping Filtration Measurement Module (MPFM): Vital for downstream fuel logistics, handling diesel, kerosene, petrol, or avgas. This single unit facilitates unloading, loading (dome or source), micro-filtering particles (up to 10 microns), water separation, fuel degassing, and accurate measurement.
- # Flexible fuel tanks 1 to 400 m³: The optimal logistical solution for hydrocarbon storage. When empty and folded, these tanks occupy only about 1% of their nominal capacity. This allows for simple and rapid transportation to any installation location.



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SAMAYA

FRENCH BRAND SPECIALISED IN HIGH-PERFORMANCE EQUIPMENT TO SLEEP OUTSIDE, BE MOBILE AND COMBAT IN ALL CONDITIONS

Samaya has revolutionised the tent and backpack market by offering technical equipment that combine resistance and ultra-lightness. Through the recent successful notification of a tender offer and a RAPID program, Samaya is positioned as a technological and industrial partner for the armed forces facing mountain and extreme cold conditions.

Samaya offers a complete range of tents for 1 to 15 people for mountain and polar environments. Thanks to their lightness and robustness, they protect and isolate the soldier from external conditions (rain, snow, wind, cold), including in the most extreme conditions, as well as in survival or medical emergency situations. They are designed to hide and camouflage the soldier from outside observers.

Samaya also offers a varied range of backpacks. All **Samaya** products are designed and tested with elite forces including the French 27th Mountain Infantry Brigade to fit both environmental and operational constraints faced on the field.

Samaya is highly agile in adapting its products to meet specific needs. **Samaya** engineers rely daily on the resources of the design centre, R&D laboratory and workshop, all located at **Samaya's** headquarters in Annecy (France).

Thanks to its DNA of innovation and its know-how, the entire team strives to constantly provide technical solutions where no satisfactory solution has yet been found, and passionately pursues its ambition to support soldiers who are committed to accomplishing their mission.



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STERNE TIME CRITICAL

URGENT AND SENSITIVE TRANSPORT SPECIALIST IN FRANCE, EUROPE AND WORLDWIDE

Subsidiary of Groupe Sterne, **STERNE TIME CRITICAL** specialises in premium logistics. It designs **top-of-the-range customised transport solutions** tailored to the needs and challenges of each **customer and business sector: defence, aeronautics, automotive, industry and luxury.**

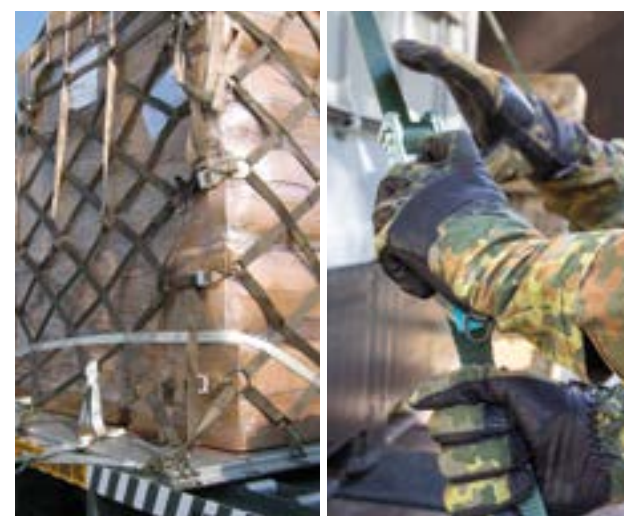
STERNE TIME CRITICAL offers a multimodal range of services and has triple status: carrier, freight forwarder and customs agent as well as air freight forwarder.

Our mission is to enable players in the defence industry to improve their speed, agility and productivity, and turn their supply chain into a **tactical and strategic advantage.**

Our experts study, advise and support these players in the development and implementation of tailor-made solutions that meet security requirements, guarantee that shipments fully comply with the regulatory framework in force (AEMG, BDU, ITAR licences) and ensure **responsiveness, confidentiality and discretion.**

24/7 urgent transport solutions

- # Multimodal solutions: Road / Air / Rail / Sea
- # International coverage (220 countries)
- # Shipments can be made from and/or to any country*, including China via our local agency
- # Direct delivery as quickly as possible anywhere in France and Europe
- # Handling of import and export customs operations
- # Single point of contact for the entire transport chain
- # Full traceability in real time
- # Possibility of temporary storage



Engineering - Consulting - Export Control support

"White Glove" Service

Bespoke transport of sensitive and fragile materials and equipment

"Project" service

Bespoke transport of non-standard/out-of-gauge materials and equipment

**(except for health constraints or embargoes)*

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SYSNAV

TRUSTED GEOLOCATION

SYSNAV provides location tracking with unmatched precision in all circumstances. We serve markets where the accurate location of people, vehicles or assets is mission critical. Wherever GPS signals are unavailable or unreliable, **SYSNAV** delivers trustworthy data for critical decisions.

SYSNAV has developed one of the most accurate and reliable individual positioning and tracking solution for first responders, the **SYSNAV PLD** (Personal Location Device). Fire Departments may use **SYSNAV PLD** to increase the safety of firefighters who intervene within buildings, on industrial sites, or in underground structures such as subways or parking lots.

SYSNAV is a final contender of the First Responder Smart Tracking Challenge, organized by the U.S. National Institute of Standards and Technology (NIST).

SYSNAV's PLD sensor device provides precise, real-time 3D location information (X, Y, and Z), including floor information when a building map is available. It requires no pre-deployed positioning infrastructure.

SYSNAV PLD makes use of **SYSNAV's** patented magne-to-inertial technology, which delivers real-time 3D geo-location in any environment (indoor, outdoor or mixed) with high accuracy and reliability. It makes up for the shortcomings of GNSS-based positioning, which may be unavailable (within buildings, underground), unreliable (in dense urban areas due to multipath issues), or jammed or blurred (so-called "GPS-denied" environments). Even the higher-end GPS RTK, boasting centimetric precision, is equally subject to such weak points.

Additional markets addressed by **SYSNAV** include industrial safety, defense, road safety, airport ground operations, autonomous vehicles, as well as medical research. **SYSNAV** customers include the French Ministry of Defense, Ministry of the Interior, Paris Airports, EDF, Thales, Airbus, Michelin, Butachimie, Stellantis and Roche.

Founded in 2008, with a turnover over \$15 million, **SYSNAV** is based in Vernon and Paris (France).



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TECHNAMM

VEHICLE OPTIMISER

Technamm designs, produces and maintains all-terrain vehicles that are compact, adapted, innovative and easy to maintain.

Technamm equips off-road vehicles for the special needs of its customers: patrol vehicles, armored vehicles, command vehicles, ambulances, tracked vehicles, etc. The family-run SME has been working mainly on the TOYOTA LAND CRUISER 70 series (known as the MASSTECH range) in partnership with CFAO (Toyota group) since 2015. The vehicles in the civilian range are a guarantee of reliability and ease of supply of spare parts. The company has focused on vehicles up to 2 meters wide and with a maximum GVW of 10 tons.

Technamm has supplied 500 MASSTECH T4s (for Operation Sentinelle), several hundred MASSTECH SAVANA/RECAMPs adapted to the needs of countries in the Sahel-Saharan region, a range of off-road ambulances and Masstech Commando vehicles (with cab and tubular structure).

In response to the needs of the Special Forces, **Technamm** innovates by offering a torpedo version with tubular structure, weapon mounts and radios, thus creating the

MASSTECH FS (VPS2/VOS-PAT), a compact, powerful, resistant and fully equipped vehicle with simplified maintenance.

Building on this success, the company developed a 6-wheel drive vehicle, adding a third drive axle. The MASSTECH T6 FS (VOS-APP) has a gross vehicle weight of 7T and a payload of 4T.

Still on this vector, the company is designing an armored medicalized MASSTECH T6 (VOS-MED), enabling medical teams to extract casualties and provide emergency care.

All FS vehicles are air-transportable and benefit from an RVM.

At the same time as working on the 70 series, **Technamm** is re-builds and remanufacturing 50 HT270 tracked machines, based on BV206, for FAG and BIM.

An after-sales and maintenance department has been set up to fulfil the tasks entrusted to it in the context of support, in conjunction with a network of subcontractors.



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THALES

USE THE DATA YOU GATHER TO MAKE BETTER DECISIONS, TODAY AND TOMORROW

Around the world today, government entities and private-sector organisations are tasked with protecting people and assets and managing natural disasters, extreme weather and other crises.

To do that, they must be able to collect and assess all the different kinds of data (videos, counters, sounds, text...) that are now available from hundreds or even thousands of sources - including cameras, sensors, connected devices from the Internet of Things, social networks, open-source data and much more.

Then this data must be transformed into insights that can help people make decisions, collaborate with partners, anticipate potential incidents and report outcomes - rapidly, accurately and cost-efficiently.

Thales can help. **Thales Smart Digital Platform** is our comprehensive, tested and proven solution to address all these needs and more.

With **Thales Smart Digital Platform**, operators will benefit from best-in-class big data analytics, automation, artificial intelligence and machine learning - with absolutely no compromises on cybersecurity or resilience.

They will get real-time situational awareness and analysis, automatic event detection and decision-making support to anticipate potential issues or incidents.

Thales Smart Digital Platform also helps reduce costs by automating tasks, optimising the deployment of resources on the ground and enabling significant gains in day-to-day efficiency.



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TOUTENKAMION GROUP

PARTNER OF YOUR MOBILITY PROJECTS

Toutenkamion Group is a French company experiencing strong growth with turnover of 28 million of euros and more than 300 employees. With its complementary business – design and manufacture of mobile units and complex structures, vehicles' layout, trucks cabs' transformation - it is the European leader in specific mobility.

Our capacities to study the project and our technological knowledges enable us to offer to our clients **ergonomic, ingenious, quality, reliable, robust, and durable products made in France.**

To deal with any type of crisis, Toutenkamion Group offers **customised mobile vehicles built in many sizes:** light vehicle, van, truck, trailer truck, shelter, and container, multi-deployable or not.

To optimise staff's mobility and be as closer as possible from the action, our products must stick to a lot of requirements: fast deployment time, strict environmental constraints, self-sufficiency, comfort, and security of people deployed.

Mobile units to manage crisis

These off-road mobile facilities with sophisticated systems can be used as command posts, forward medical stations, monitoring stations, checkpoints, and coordination centres.



Quads bikes and support pick-ups to intervene quickly and efficiently

These mobile units used for recognition, intervention or emergency, built on quads or pick-ups, allow teams to decide the most efficient way to act in the middle of hostile environment.

Medical mobile units to ensure cares as closer as possible to the crisis

Inside those specific medical mobile units, doctors can work as if they were in medical infrastructures and benefit from all the machines and facilities needed for their medical practice.



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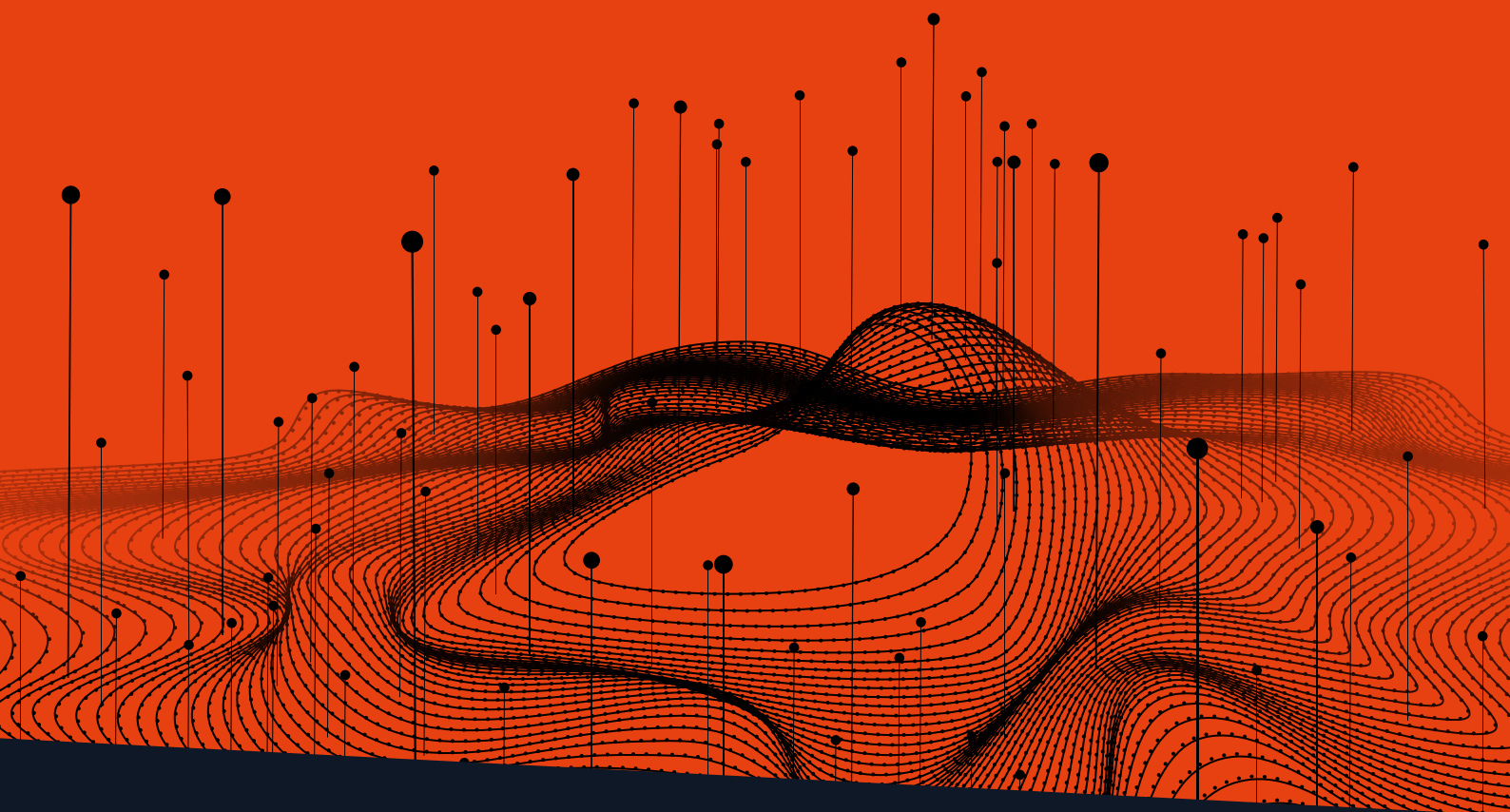
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