

SECURITY



CAPABILITY APPROACH

EMERGENCY SITUATIONS

FRENCH EXCELLENCE
IN DEFENCE AND SECURITY

GICAT

The French land defence and security
industry association



FACIM
FEDERATION ASSOCIATIVE CLUSTER



SAFE
CLUSTER



GICAT.COM



OUR PARTNERS



➤ **FACIM** (national federation of civil and military administrative equipment manufacturers) brings together French manufacturers of uniforms and protective equipment for the specific needs of civil security, military and security forces. This industrial and technological platform for defense and security equipment, represents 50 companies of the textile and related industry and employs 5,000 people for a turnover of € 1 billion. It helps to strengthen the safety of first-responders through a high-level technological offer and global solutions dedicated to products and services: design and production of PPE, maintenance and logistics. FACIM also participates in the development of technical reference systems for the firefighters outfits under the "French civil security" label.

FACIM

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➤ **FFMI** (French fire-fighting Business Association) is the federation of the vast majority of manufacturers, engineers, dealers and expert on fire-security in France. FFMI leads 250 companies dedicated to promote the highest level of performance in fire fighting specifications. In 2020, companies member of FFMI do represent 25 000 workers and a global 3 M € turnover.

FFMI

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➤ **SAFECLUSTER** is the French competitiveness cluster for aerospace, security - safety and defense, located in the Southern Region with Lyon and Paris offices. 450 companies, research and technology organizations, practitioners' bodies are members of the cluster. SAFECLUSTER support Research Technology Developments (RTD) and business development of its members by providing specific consultancy services. The cluster provides guidance for consortium targeting Horizon2020 and Horizon Europe disaster resilience calls. By coordinating the FIRE-IN European project, SAFE is also strongly involved with the fire and rescue practitioners on the identification of the capability gaps and the needs for novel solutions for better response and prevention.

SAFECLUSTER

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INTRODUCTION

A major risk can be the result of a natural event (heat wave, flood, earthquake, wildfire, tsunami...), a human-induced event (intentional or accidental), or a health-related event (pandemic, outbreak), which can affect a large number of people, cause serious damage, and surpass the response capabilities of organisations directly concerned.

France has significant experience in risk and natural disaster management, as the country is regularly subjected to lowland and flash flood, forest fires, storms, massive snowfalls, etc., which result in significant damage and mobilise substantial resources in terms of personnel and equipment over several weeks.

This regular exposure to major natural hazards has necessitated the establishment of truly integrated global policies, veritable French expertise, which takes into account the entire **risk management chain**:

Prevention by evaluation, characterisation, and modelling of major risks, and management of urban and regional planning.

Planning and preparedness via the development of national emergency plans.

Protection and Supervision thanks to permanent monitoring, tracking of weak signals and systematic information feedback shared and consolidated at the national level as well as a early warning system for people and businesses.

Response

- By coordinating all emergency actors (specialised teams, rescuers, police and gendarmerie) as well as the involvement of land and air resources, and support and logistics resources.
- By projection capacity, allowing for response by specialised teams throughout mainland and overseas territories (heliports and aircraft; air-transportable units and equipment).
- By logistical capacity suitable for sustainable support of populations (accommodation, food, transportation of people; medical support).
- By the full association of operators of facilities with vital importance in operational preparation and planning.

Restoration and feedback, through the implementation of activity recovery plans, reconstruction initiatives and the reconditioning of facilities and critical networks, as well as the implementation of structured and systematic feedback.

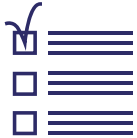
French expertise necessitates the involvement of numerous actors, such as research laboratories which characterise and model phenomena, the State, and organisations which mobilise public action in the phases of identification, analysis and management of risks, but also French manufacturers who have developed, tested and commissioned a range of products to suit all operational situations.

This brochure is intended to present a global capability range for management of risks and emergency situations. With disaster response issues often having elements in common, it presents the technologies, products and services for dealing with them through the expertise of companies which are members of GICAT, Pôle RISQUES, FFMI and FACIM. Only the terrestrial impacts of emergencies will be considered; the impacts on marine space are not considered in this report.



EMERGENCY SITUATIONS

COMPONENT BREAKDOWN



RISK KNOWLEDGE AND EVALUATION

Situational awareness is a key factor for success in the management of natural risks, whose characterisation involves aggregating multiple data and giving them meaning. Production and processing of data by satellite and aerial imagery, as well as by sensor networks, allows for knowledge about areas concerned and potential risks, integrating data about weather and water courses, providing operational maps for decision makers and rescue managers. They can also be used during prevention and preparedness phases to manage urban planning and develop protective measures.



MODELLING AND GEOGRAPHICAL INFORMATION SYSTEMS

Modelling territories and the simulation of phenomena allow for the substitution of rarely accessible situations by virtual situations in realistic and operational 3D. Simulations can be part of the selection of civil security measures to be put into place in advance and thus ensure the planning of measures to be implemented.

4



SURVEILLANCE AND SUPERVISION

- Video

Ground or aerial video surveillance, today having an exceptional capacity for image analysis, at all times, in all places, along very high precision and high definition, has become an indispensable capability for intelligence and detection. It perfectly complements human resources which it helps to economise. These modern video surveillance systems are generally connected to remote-surveillance centres, also known as C2s (Command and Control), able to not only manage realtime information provided by their own systems, but often able to integrate almost all information provided by other sensors in real time.

- UAV/UAS and light aircraft

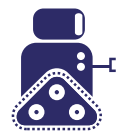
The use of UAV/UAS as part of the management of emergency situations can provide information by producing aerial images in real time, while avoiding natural or artificial obstacles. UAV/UAS can view an « area of interest » and give a good understanding of the environment and the situation in the area affected by a disaster. They are invaluable aids to decision-making authorities for the preparation, engagement and coordination of rescue operations and provide a continuous assessment of the situation, including the consequences and impact on human and industrial activities, or when the safety of persons and property is involved. Aerial UAV/UAS provide a decision-aiding solution in emergency situations for rapidly making an assessment before engaging, if necessary, emergency ground or air resources, utilised wisely and in suitable quantities. The use of light aircraft and UAV/UAS also paves the way for other operational missions, such as setting up aerial telecommunication relays or transporting medium sized loads.

WARNING SYSTEM AND MANAGEMENT:

In the event of an immediate or imminent danger for the population liable to cause physical harm, a warning signal can be sounded. When clearly identified, it informs the population of the extent of the danger and completes messages broadcast by the public authorities to give the necessary instructions. These signals are traditionally sirens triggered remotely or locally. Emergency services respond to them by implementing an emergency response plan (ERP) detailing protective measures and give assistance to potential victims. In addition to this audible signal, the Ministry of the Interior is developing a new emergency warning and information system to disseminate instructions issued by the public authorities via telephone operators and information networks.

**ROBOTICS**

Robotic tools, which are now reliable and effective, are opening up new fields of action. They can be used to carry out tasks in hazardous areas for humans, for example in the context of exposure to ionizing radiation, to gas, or to fire, but also offer mechanical handling and pulling capacity, which are of every interest in the case of disasters necessitating moving heavy loads in difficult situations. Robotics, in its use for the management of emergency situations, is now a major asset in the successful conduct of operations in critical contexts. Robots or robot systems are used with the primary objective of avoiding, or at least reducing, the exposure of human operators in high-risk areas. They should also provide details which help approve or disapprove the sending of personnel onto the ground. Robots should also provide detailed information and be a complementary decision-making tool, as are, for example, UAV/UAS and other light aircraft, as mentioned in the previous paragraph.



5

COMMUNICATION SYSTEMS

The management and conduct of emergency operations and the coordination of the many actors involved in emergency situations, requires the availability of means of communication which are suitable, diversified and interoperable. These resources must permit the command of the rescue operations to disseminate its orders and instructions in order to coordinate the actions of those involved in the disaster area, to exchange information, including over broadband, with voice and data, images and high definition video in real time, and report to local or national authorities or to communicate necessary instructions and information to operational forces, all in real-time. These resources must have built in redundancy, be autonomous, mobile and interoperable with one another in order to ensure consistency of communication links, whatever the evolution of the situation and possibly the degraded state of public telecommunications networks. These communication systems must be easily transportable, and easily deployable within a timeframe compatible with operational demands.



EMERGENCY SITUATIONS

COMPONENT BREAKDOWN



COMMAND, COORDINATION AND MANAGEMENT OF EMERGENCY SITUATIONS

Command teams must be provided with tools which are suitable to the complexity of operations and the coordination of multiple teams over vast areas in degraded situations. One of the main components of command is the control centre and locally, regionally or nationally implanted coordination. It is usually equipped with multiple technological tools for monitoring, warning, triggering and follow up of resources, operational digital maps, information systems. The analysis of social networks in real time, to understand « weak signals » is becoming an indispensable function for better anticipating and providing a suitable response. But social networks are also privileged vectors of communication for warning populations. Just like video which is a major element for each decision level: strategic, command and operational, for making the correct decisions as soon as possible in an emergency situation. On the ground, coordination and supervision efforts are concentrated at the mobile command post (CP), which can be deployed at the heart of events and deliver technological solutions which are made robust: telecommunications (digital radio, satellite, mesh networks), conducting the tactical situation, command and decision-making software. The structure of the CP itself is of particular importance and is a factor in efficiency. CPs often have modular structures, rapidly deployable, in all weathers, and self sufficient in energy. The CPs must have all the right tools to help coordinate the activities of various personnel involved, to manage the situation, inform and provide authorities with information enabling them to assess the local situation and rapidly assess rescue actions to be implemented.



MOBILITY

The vehicles used by civil security forces are versatile, suitable for missions, to types of situations and types of terrain. They offer mobility, protection and flexibility. Each mission and operation requires specific vehicles, capable of transporting personnel and equipment, implementing hydraulic resources, and permitting emergency rescues. Their terrain crossing capabilities, manoeuvrability, and protection against specific risks are synonymous with operational efficiency. We can notably cite as examples first response and rescue vehicles, fire fighting vehicles (urban, rural or forestry), as well as special vehicles (command posts, ladders, airport safety), as well as logistical vehicles.



TRAINING, CONSULTING AND SUPPORT

The French civil security forces have developed an effective working doctrine which is continuously updated through multiple feedback opportunities. Being regularly confronted with crisis management situations, and regularly solicited for evaluations and audits, the civil security forces have adapted remarkably well to changing circumstances and threats for several decades, on all continents. These capabilities and their high technical level have been acquired thanks to continuous training, regular practical training of units and feedback. Training focuses on individuals, groups and units, as well as perfect mastery of equipment and techniques of all types utilised. These missions, which are technically challenging and often stressful can only be performed by well trained and equipped units. French operators and manufacturers are able to offer all levels of human and technical training in national training centres. They can also provide most of these training courses in requesting countries.

HEALTH RESOURCES AND SUPPORT FOR FIRST RESPONDERS

Health support, which is essential for maintaining physical, mental and psychosocial well-being of people placed in emergency situations, must be organised within several frameworks: welcoming refugees, emergency evacuations, triage and evacuation of the injured, psychological support, setting up and management of camps, food security and nutrition, establishment of field hospitals, protection of populations, habitat and water, and sanitation. The intervention of first responders on site requires preparation and specific support so that physical constraints (telecoms, electricity, networks...), logistics (roads, fuel supplies...) and health (drinking water supply, physical-chemical analysis of the sites to ensure the continued operational fitness of first responders) do not impede the conduct of rescue operations. Optimal support for first responders guarantees both the speed and intensity of aid provided to populations in distress.



PROTECTIVE EQUIPMENT

Missions are conducted in various environments, which are often complex, and possibly hostile. First responders should therefore benefit from tailored and scalable resources, allowing for the best possible balance between their own protection and the mission(s) to be carried out. Thus, and to equip first responders, it is essential to understand missions, select the relevant civil technologies, and adapt these technologies. Civil security forces are called upon to intervene in diverse and uncontrolled, insecure and dangerous environments, which always run a risk to the health of personnel. French manufacturers have developed the best protection product, ensuring the best protection for first responders, and giving them the best guarantees of the fulfilment of their missions, acquiring information, intelligence, and monitoring the situation upstream of alerts, in order to ensure the continuity of activities, and the next phase of their mission.



7

DETECTION

Whether there is a risk for people's safety or for the security of information, a threat detection system can be put in place. The particular advantage is greater efficiency and improved responsiveness in managing a crisis.



ROADBLOCKS

This type of system is regularly used by the police to secure a geographical area by controlling flows into and around the site. It contributes to the speed of response of emergency services.



FIRE FIGHTING EQUIPEMENT

When a fire breaks out, emergency services are equipped to fight the fire - with extinguishers and fire blankets for example - and facilitate evacuation of victims by using effective signage. In day-to-day operations, these measures are completed by preventive equipment to ensure the fastest response possible.


















HEALTH RISK MANAGEMENT

In the event of a health risk, i.e. an immediate or long-term threat to people's health caused by direct exposure to a source of contamination, health measures guaranteeing a satisfactory level of protection and a health emergency response plan must be implemented, while ensuring optimal circulation of information within the structure. Contaminants are diverse and classified according to three categories: biological (disease causative agents), chemical (metals, hydrocarbons) and physical (radiation).











INDEX








		 Risk evaluation	 Modeling	 Surveillance	 Alert system Alert Management	 Robotics	 Communication systems	 Command, coordination & management	 Mobility
ACTIA	14						+		
AERACCESS	15	+		+	+	+			+
AIRBUS	16	+	+	+	+		+	+	+
AIRTELIS	17								
APPI	18				+		+	+	
ATOS	19	+	+	+	+		+	+	+
ATRISC	20	+			+			+	
BACHMANN	21		+						+
BERTIN	22			+	+				
BIOEX	23								
BOCHE	24								
CEGELEC DEFENSE	25						+	+	+
DAHER	26	+		+			+	+	+
DESCHAMPS	27							+	+
DEVERYWARE	28	+					+	+	
ECA GROUP	29	+		+		+			
EDICIA	30				+			+	
EGIDIUM	31							+	
EONEF	32			+					
EXAVISION	33			+	+				
HUTCHINSON	34							+	
LEADER	35								
LUCEOR	36					+	+		+
MASA GROUP	37	+	+					+	

		 Training, consulting & support	 Health care resources Support for first responders	 Protective equipment	 Detection	 Barrages	 Fire fighting equipment	 Health risk management
ACTIA	14							
AERACCESS	15				+			
AIRBUS	16	+						
AIRTELIS	17						+	+
APPI	18		+	+	+			
ATOS	19				+			
ATRISC	20	+						
BACHMANN	21	+	+					
BERTIN	22				+			
BIOEX	23			+				
BOCHE	24			+			+	
CEGELEC DEFENSE	25		+	+				+
DAHER	26					+		+
DESCHAMPS	27		+					
DEVERYWARE	28	+						
ECA GROUP	29							
EDICIA	30							
EGIDIUM	31							
EONEF	32							
EXAVISION	33			+				
HUTCHINSON	34		+					
LEADER	35						+	
LUCEOR	36		+					
MASA GROUP	37	+						

INDEX

10

		 Risk evaluation	 Modeling	 Surveillance	 Alert system Alert Management	 Robotics	 Communication systems	 Command, coordination & management	 Mobility
METRAVIB DEFENSE	38			+	+	+			
MY KEEPER	39				+				
NBC-SYS	40								
OUVRY	41								
PAUL BOYÉ TECHNOLOGIES	42								
PHOTONIS	43	+		+	+				+
PROENGIN	44			+	+			+	
PROFOAM	45								
PROTECOP	46								
R-PONS	47								
ROSTAING	48								
SCORPE	49			+	+				
SECUROTEC	50								
SERA INGENIERIE	51			+		+			+
SERT	52								
SIDES	53								+
SURYS	54			+	+		+	+	
SYSNAV	55			+	+			+	
THALES	56				+		+	+	
TOUTENKAMION	57							+	+
TPL SYSTÈMES	58						+		
TRACIP	59							+	+
UTILIS	60								+

		 Training, consulting & support	 Health care resources Support for first responders	 Protective equipment	 Detection	 Barrages	 Fire fighting equipment	 Health risk management
METRAVIB DEFENSE	38			+	+			
MY KEEPER	39							
NBC-SYS	40			+	+			
OUVRY	41	+		+	+			+
PAUL BOYÉ TECHNOLOGIES	42	+		+				+
PHOTONIS	43				+			
PROENGIN	44	+						
PROFOAM	45						+	
PROTECOP	46		+	+				
R-PONS	47			+				
ROSTAING	48			+			+	
SCORPE	49	+			+		+	
SECUROTEC	50		+	+				+
SERA INGENIERIE	51				+			
SERT	52		+					+
SIDES	53							
SURYS	54				+			
SYSNAV	55		+					
THALES	56							
TOUTENKAMION	57		+					
TPL SYSTÈMES	58							
TRACIP	59	+	+					
UTILIS	60		+					+

Communication
systems

ACTIA

ACTIA is an international and family-owned company which has a great expertise in designing, manufacturing and supporting customized solutions for satellite telecommunications (satcom) for defense, governmental and NGOs markets: With 24 companies in 16 countries and 3800 staff, ACTIA has based its growth on commitments: innovating, manufacturing, creating values, demanding quality and staying independent.

12

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SATCOM SOLUTIONS DESIGNER, MANUFACTURER AND INTEGRATOR FOR DEFENSE

RUGGEDIZED AND FIELD-PROVEN SATCOM TERMINALS

ACTIA Telecom offers a wide range of robust and easy-to-use satcom terminals and systems guaranteeing secure 2-way transmissions of video, voice & data in C, Ku, X, Ka Band and dual band (X/Ka). Compatible with any modems.

- TravelSat: compact manpack terminal.
- FlyAwaySat: easily transportable terminal.
- MobileSat: low profile, light weight On-the-Move terminal.
- CoreSat: earth station with 1m to 9m antennas with manual or automatic pointing.
- ACTIA Satcom network monitoring system which offers operators simple and effective means of monitoring and controlling a satcom ground segment and its network of terminals.

ACTIA Telecom also provides its customers with all the support they need in the design and acquisition phase and during operation: engineering, training, hotline and maintenance.

RELIABLE PARTNER FOR ALL OPERATORS

For almost 50 years, ACTIA Telecom's offer in the Satcom Defence and Civilian field includes supplying major products for the ground segment of satellite transmissions (power amplifiers, integration assemblies, supervision systems, etc.), supplying turnkey stations (stationary, transportable, tactical and mobile stations) and providing the related services: engineering, installation and implementation, training, maintenance in working condition.

ACTIA Telecom brings the following key benefits to its clients:

- Sector experts: land, maritime, air and space;
- Dedicated industrial site for Satcom: R&D, manufacturing, integration, qualification capabilities and customer service;
- Extensive records in satcom ground segment integration: RF sub-systems/ baseband/ terminals/ network operation centers;
- Expertise in designing / manufacturing of high-power amplifiers (TWTA, SSPA) and earth stations up to Q/V band;
- Full master of radio frequencies up to 50GHz;
- Signal processing/transmission techniques including complex modulations;
- Services: customized trainings for operation and maintenance, antenna commissioning (up to 13m), Integrated Logistic Support.

Risk
evaluation

Surveillance

Alert system
Alert Management

Robotics



Mobility



Detection

THE FRENCH EXPERT IN UAS FOR DEMANDING DEFENCE & SECURITY APPLICATIONS

ROBUST, RELIABLE, MODULAR & SIMPLE TO USE

AERACCESS proposes multi-mission solutions: bivouac protection AND damage assessment, tethered crowd surveillance AND target tracking once released, fully-automated perimeter inspection AND radio-active mapping, convoy protection in follow-me mode AND remote reconnaissance in autonomous mode, etc.

The Q800X is a multi-mission drone interfacing multiple payloads:

- EOIR x30 zoom; PHOTONIS NOCTURN camera for night operations; IPMESH; Laser Range Finder; Laser Designator; IMSI catcher; CBRN sensor.

The Q800X has a max flying time of 50mn, with a range from 3 to 15km for a total weight of 4 to 8kg including a payload up to 3.5kg. The set-up time is less than 10mn and the training takes no more than half-a-day for immediate operations.

The Q800X integrates a safety parachute and is approved to fly over crowds and manned areas.

ARTIFICIAL INTELLIGENCE (AI) AND UTM

AERACCESS drones integrate AI.

Their roadmap includes Geocaging and Anti-jamming and are compatible with the Unmanned Traffic Management (UTM) under the latest drone regulations in France and Europe.

The HawkEye is the local operator drone. With a total weight from 1 to 2.5kg, it offers a range of 3km with a visible and a thermal sensor. Man-transportable and easily operated, the HawkEye offers all automated-flight functions and emergency procedures.

Designed and manufactured in France, the HawkEye is made solely with French or European components.

The NanoHawk is a nano-UAV capable of flying indoor to perform intelligence and inspection taking into account the difficulty of flying indoor.

The NanoHawk is fitted with both a visible camera with night mode and a thermal camera as well as indoor semiautonomous flying modes.

The NanoHawk can fly outdoor for a few hundred meters and then perform its indoor mission up to 3 levels above (or below) the operator and team.

AERACCESS drones are used France, the UK, Luxembourg, The Netherlands, Greece, the UAE, Singapore, South Korea, Japan, Canada, the US, Switzerland, etc.

AERACCESS

AERACCESS designs and manufactures UAVs for Defense and Security, able to fly:

- in all-weather conditions (heavy rain, night, fog);

- in strong winds up to 80km/h;

- inside unprepared buildings for intelligence and inspection.

AERACCESS drones meet the highest aeronautical standards and are homologated by the French DGAC and equivalent NAA around the world to perform automated, autonomous and critical missions.



aeraccess
airborne engineering research

AERACCESS

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AIRBUS

For more than 30 years, Airbus is a key French partner in both the security domain and securing international events.

To respond to future requirements and new threats, Airbus proposes a global and innovative offer in four main domains: communication, intelligence, site security and cyber protection.



Risk
evaluation



Modeling



Surveillance



Alert system
Alert Management



Communication
systems



Command,
coordination
& management



Mobility



Training,
consulting
& support

AIRBUS PROPOSES COMMUNICATION & SITE SECURITY SOLUTIONS

RESILIENT COMMUNICATIONS

Airbus offers advanced communication and collaboration solutions enabling to gather, process and deploy intelligence. It includes infrastructure, devices, applications and services based on TETRA, TETRAPOL and LTE/5G technologies compliant with 3GPP standards. Airbus is also a supplier of solutions based on secured connectivity services using both satellite and ground networks, delivering our customers' critical needs and providing a comprehensive level of security.

Airbus develops scalable dedicated secured solutions to fulfill the requirements of the security market. These solutions secure critical infrastructure as well as both land and maritime frontiers.

ACTIONABLE INTELLIGENCE

Airbus is a trusted data and information partner for Public Safety and Security organisations and operators. With knowledge and assets across the data value chain, Airbus offers sensors, digital tools and platforms in support of sharper and faster situational awareness and data sharing. Customer partnership and innovation from across multiple industry sectors allows Airbus to bring Actionable Intelligence, new analytics and AI driven capabilities.

Cyber Protection

Airbus keeps an eye on the IT environment and our customers' connected assets 24/7 from our Security Operations Centre (SOC) with specialised surveillance and detection tools combined with our cyber threat analysis services.



AIRBUS

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Fire fighting
equipment



Health risk
management

AIRTELIS

AIRTELIS – EXPERT IN HELICOPTER OPERATION SINCE 1958

EXPERTISE ALL ALONG THE LINE

Well known as specialists in the field of electrical related helicopter operations, AIRTELIS is offering its expertise all over France, Europe and internationally. With 60 years of experience, we are able to manage all types of aerial operations covering a wide range of different fields of activities. With this in view, our experts offer 5 main types of service:

- **Power grid works & Aerial works:** Helicopter operations including construction, line inspection and maintenance, external load lifting operations;
- **Aeronautical services:** maintenance, helicopter leasing;
- **Emergency situations;**
- **Consultancy and training;**
- **Drone activities:** power grid operations, pilot cable operations...

AS PART OF OUR HISTORIC PUBLIC SERVICE MISSION, AIRTELIS, A SUBSIDIARY OF THE RTE GROUP, HAS DEVELOPED NATIONAL CRISIS MANAGEMENT EXPERTISE

Crisis management : 60 years of experience

- Strong experience of the EDF Group in managing large-scale crises (Example: Storm of 1999/2000).
- Ability to make available « heavy » resources (helicopters, qualified personnel, equipment).
- National standby arrangements.

AIRTELIS undertakes to make its crisis management skills available to all of its partners, such as: EDF-FARN (Nuclear Fast Acting Force), DGSCGC (Executive Management of Civil Security and Management of Crisis).

For example, our FARN contract provides for the provision of “heavy” helicopter-borne for carrying loads and personnel, as well as the maintenance of the skills of FARN team members (Training Task Specialists).

We are also present with the Civil Security to provide emergency missions such as fire fighting.



APPI

APPI-Technology is a French manufacturer of communication and safety systems for engaged professionals in off-network areas. Compact, ruggedized and lightweight, its equipment offer a real wireless lifeline for direct mode and hands-free communication, with a range of 2Km line of sight, a "man down" detection & alert, and mission parameters monitoring without any outside network.



COMMUNICATION & SAFETY FOR ENGAGED PROFESSIONNALS

FITS ALL PPE & NETWORK BRIDGING CAPABILITIES

Long Range Wireless Intercom, APPI-Com solve communication and safety problems in harsh or noisy environments for Industry, Transport and First responders (Civil or Military): it is compatible with the wearing of helmets, masks, « SCBA » or and any personal protective equipment.

APPI-Com offers a digital coded communication in "hands-free" (conference mode) without any base nor master terminal: it allows an unlimited number of users to talk without constraint, or to create several groups on a same site! APPI-Com can also be connected to a relay (GSM, PMR) or to an intercom cable (network extension or RF-free communication).

SAFETY COMMS FIRST !

- **Radio terminal and lone worker protection:** can be worn under clothing and customized to mark the identity of each group. Voluntary call signal or activation of the immobility detection with voice alerts to the group.
- **Simplicity:** autonomous digital coded network self-deployed in seconds, by simply depress the start button. Single connector with push-pull. Without any installation.
- **Exclusive Full-duplex technology:** no « Base » neither fixed nor mobile! SyncAll® (Int'l patent): any terminal can leave the group (loss of signal, stop) without altering communication between others, then enter it again, without manipulation: a guarantee of safety and efficiency for the team.
- **Confidentiality:** Digital coded mode with group ID to prevent any other group or device from listening to the conversation, unless authorized (code).
- **Secure groups:** Dedicated coding (« SECURE » option) allows you to create a « secure group », which prevents any « outside » identical device from listening to or participating in conversations.



APPI
technology

APPI-TECHNOLOGY
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HOMELAND SECURITY MISSION SYSTEMS

CRITICAL COMMUNICATION SYSTEMS

Atos Critical Communication Solutions responds to situations where communication is a vital issue. It consists of a complete product portfolio and promises you a tactical, secure and resilient network. It allows you to build a customized solution for all your needs with, among others:

- **Air-Lynx** professional network cores based on 4G/5G;
- **Hoox** ultra-secure smartphones for the exchange of your sensitive data;
- The **Hub**, a mobile box that allows you to switch automatically from one network to another without interruption;
- **Gateways** to interface LTE with other communication technologies;
- **Auxylium** and **CALM**, MCPTT software with advanced features;
- The Multi Network Voice Dispatching Device, a state-of-the-art C3 solution that integrates all network technologies.

HOMELAND SECURITY 3.0

Atos has developed a comprehensive homeland security offering consisting of solutions to improve the emergency and risk identification process, the effectiveness of interventions and the security of agents.

- **GEMMA** is the specialized solution for emergency management. It is designed to assist call centers and response organizations. Its emergency call processing centre is equipped with a real-time geographic information system coupled with secure mobile technology.
- **The Codex** offering is an innovative solution that uses Big Data analysis of data collected from multiple sources to provide an intelligent response to incidents. It thus provides forecasts allowing the triggering and management of a response in real time.
- **Polyalert** is a population alert solution that can cover a city, a region or an entire country. It coordinates different types of alarm systems by offering a single system that can be piloted by independent public organisations. It has now been adopted by Switzerland.

ATOS

Atos (European Company) is an international leader in digital transformation with 110,000 employees in 73 countries and annual revenues of EUR 12 billion. It is the European leader in Cloud, Cybersecurity and Supercomputing, providing integrated solutions for Cloud, Big Data, business applications and connected work environments. Worldwide IT Partner to the Olympic and Paralympic Games.



Atos

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ATRISC



Risk
evaluation



Alert system
Alert Management



Command,
coordination
& management



Training,
consulting
& support

ATRISC is a company specializing in emergency measures assistance to companies in crisis situations.

Keywords:

- **Business continuity activities;**
- **Crisis management;**
- **Call H24;**
- **Expertise;**
- **Preparedness.**

CRISIS MANAGEMENT & BCP:

ATRISC is a company since 2010, specialized in support missions in France and abroad in all subjects related to crisis management, decision making in emergency and complex situations, and the implementation of business continuity management.

IMPLEMENTATION OF A CRISIS MANAGEMENT AND OPERATIONAL BUSINESS CONTINUITY SYSTEM:

Our expertise focus on the implementation of operational business continuity and crisis management structures adapted to the realities of organizations.

Business Continuity Plan:

A plan is built on the acquired experience. The crisis of the COVID-19 is a lever for each organization to improve, adapt or build its BCP.

Crisis mechanism:

Set up a crisis mechanism and a functional and operational crisis unit.

Virtual Crisis Unit:

Set up a functional and organizational multi-site crisis unit (in video, with steering tools...).

To train the actors of this cell through multi-site exercises.

MONITORING AND SUPPORT SYSTEM 24 HOURS A DAY, 7 DAYS A WEEK

We offer a tried and tested monitoring and support service in the event of an emergency or crisis.

- Climate risk monitoring.
- Cyber Watch.
- Reputation watch.
- Monitoring of feedback from the field.

Support by crisis management experts 24 hours a day.

Learn more about our services:

<https://www.youtube.com/watch?v=COW-ga0CzPo&t=3s>



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Modeling



Mobility

Training,
consulting
& supportHealth care
ressources
Support for first
responders

BACHMANN RDS

CUSTOMISED SOLUTIONS FOR COMPLEX TACTICAL FIELD REQUIREMENTS

WE ARE COMMITTED TO OVERCOME YOUR CHALLENGES

For over 70 years, Bachmann RDS has worked on the design, development, manufacturing, installation and maintenance of an extensive and comprehensive range of tents, halls and large-span structures at the highest levels of quality and service.

Indeed, Bachmann RDS has been successfully supplying products for the emergency response, disaster management, humanitarian relief, decontamination and military markets for many years now. Our expertise in these sectors is a result of bespoke designs and the highest standards of manufacturing, well-trained and experienced craftsmen and the use of the finest quality materials. Rapidly deployable, our products are suitable for both short-term use and long-term installations. We offer fully integrated solutions, providing full support for the projects entrusted to us, from initial design through to on-site installation and maintenance if needed.

TRIED AND TESTED PRODUCTS WORLD-WIDE

For decades, Bachmann RDS has served as partners for domestic and foreign armed forces. This close collaboration has enabled us to develop innovative, field-proven products for the protection of people and sensitive equipment. Indeed, besides our customised engineering and production services, particular emphasis is placed on advice and listening to the needs of the end user. Thanks to our extensive network of worldwide partners, we are able to maintain close contact with decision-makers and users in the planning organizations and with the forces on location. We are here for you to meet your challenges and our main drive is to make sure you reach your goals.

Our wide range of tents, hangars and large-span structures is designed for the following applications:

- Headquarters / Command Posts / Mobile Field Hospitals;
- Aircraft hangars & Sun-shades;
- Workshops and storage hangars (fixed/mobile);
- Turnkey Field Camp Systems (kitchen and mess facilities, accommodation and office spaces);
- Decontamination and Collective Protection systems (CBRN);
- Special applications and projects (camouflage, missile protection, etc).

Bachmann RDS specializes in the design of modular, rapidly deployable structures for the protection of people and sensitive equipment in various sectors such as defence, aviation, industrial applications and humanitarian aid. Our expertise covers not only the design and manufacture of metal & textile and inflatable structures, but also the integration of equipment and services for turnkey solutions.



LOSBERGER DE BOER

BACHMANN RDS

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BERTIN TECHNOLOGIES



Surveillance

Alert system
Alert Management

Detection

As a recognized partner of public institutions & industrial contractors, Bertin Technologies - a CNIM Group company - relies on its long experience to develop, produce & market a wide range of high added-value systems & instruments, in response to the major technological challenges of key sectors such as Defense & Security.

CUTTING-EDGE OPTRONIC SYSTEMS

PROTECTING & MONITORING CRITICAL INFRASTRUCTURES

- **A lightweight night & day vision enhancer (*FusionSight®*)**, combining 2 viewing modes - color low light & thermal - to use separately or in smart fusion.
- **OEM camera modules to be integrated into the heart of complex optronic systems (*CamSight®*)**, available in multiple versions: thermal, low-power thermal & low-light level.
- **Unattended Ground Sensor (UGS) networks (*Flexnet®*)**, for remote detection, classification & identification of any threat, over broad zones & without dedicated infrastructures.
- **Situational awareness system for vehicles, ships & critical sites (*PeriSight®*)**, offering thermal & day/night visualization, as well as short- or long-range vision up to 360°.

HIGH-PERFORMANCE SOLUTIONS DEDICATED TO THE DETECTION OF CHEMICAL, BIOLOGICAL, NUCLEAR & RADIOLOGICAL THREATS

• Nuclear & Radiological:

- **Multiprobe survey meter (*SaphyRAD® MS*)** to be used by the military & hazardous materials response teams, for operations in harsh environments;
- **Automatic real-time Gamma spectroscopic monitor (*DIRAD*)** which continuously monitors the flow of goods, people & vehicles;
- **Autonomous radiation controlling probe (*GammaTRACER*)** dedicated to the measurement of radioactivity in air, soil & water. The Spider version is especially designed to meet the needs of the first responders in an emergency scenario. Self-deployable, the probe can be easily dropped out of a vehicle or a drone;
- **Special Nuclear Material detection system (*SaphyGATE GN*)**. It monitors illicit movements of radioactive materials in critical sites such as customs, harbours or airports, while providing a non-invasive inspection of vehicles, loads & luggage.

• Biological:

- **Standoff chemical & toxic gas cloud detector (*Second Sight®*)** for real-time surveillance & source localization.

• Chemical:

- **Portable bio-air sampler (*Coriolis® Compact*)**: innovative dry cyclonic technology & high degree of operational autonomy;
- **All-in-one qPCR kit (*Biotoxis*)**.



BERTIN TECHNOLOGIES

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Protective
equipment

MANUFACTURER OF ECO-FRIENDLY FIREFIGHTING FOAM CONCENTRATES

FOAM CONCENTRATES COVERING ALL RISKS

BIOex offers complete ranges of traditional or eco-friendly synthetic foam concentrates:

- Fire-fighting foam concentrates for oil fires (petrochemical, airport, marine, etc);
- Versatile foam concentrates for chemical risks;
- High Expansion Foams for warehouse flooding;
- Sprinkler foam concentrate;
- Additives for forest fires;
- Additives for urban and industrial fires;
- Foam to neutralize toxic vapours.

Depending on their type, these foam concentrates meet all of the following applications:

- Class A solid fires;
- Class B liquids Hydrocarbons;
- Class B liquids Polar solvents;
- Toxic vapours;
- Training and field training.

ECO-FRIENDLY FOAM CONCENTRATES

The use of "fluorinated" products poses major environmental issue, because these products are persistent, bioaccumulative and potentially toxic. The latest independent scientific studies demonstrate possible impacts on people and the environment.

In 2002, BIOEX launched the first ecological fluorine-free foam concentrate in the world: ECOPOL. Thanks to significant research and development work, BIOex produces high-performance fluorine-free foam concentrates.

They are certified EN1568, ICAO, OMI, LASTFIRE, GESIP, IMO, CEREN, UL, APSAD R12, NFPA, USDA- to ensure optimum extinguishing performance. In France and around the world, BIOEX foam concentrates are used by the big names in the industry and by firefighters. They trust BIOEX foam concentrates: ADISSEO, DOW, BASF, EDF, SANOFI, NESTOIL, Paris airports, Malaysian Royal Air Force...

To support growing demand and increase responsiveness, BIOEX has just moved into new premises near Lyon (France) with two separate production processes to guarantee foam concentrates free of all traces of fluorinated derivatives.

BIOEX

Since 1998, BIOex has been designing and producing foam concentrates intended for fire fighting, and more particularly **ECO-FRIENDLY** foam concentrates. **BIOex's commitment: To offer firefighting and safety professionals an ever wider range of 100% fluorine-free ecological foam concentrates!**



BIOEX®
High performance foams

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BOCHE



Protective
equipment



Fire fighting
equipment

**French technical footwear
manufacturer.**

FOOTWEAR MANUFACTURER

COMFORT, SAFETY, INNOVATION

Since 1960, BOCHE designs and manufactures technical footwear.

228 000 firefighters use our shoes every day.

Our know-how and the quality of our products have enabled us to become the leader on the French market for footwear for firefighters.

We are the official supplier of the Fire Brigade of Paris and Marseille for many years.

We present our wide and complete product range covering all of the activities of firefighters.

BOCHE offers a wide range of Military and Police shoes to provide to users the best protection and comfort.

AN EXPERTISE ACKNOWLEDGED

- We design and produce footwear in response to our customers feedback. This is to ensure that BOCHE offers you an approved and reliable models covering all of the activities of firefighters.
- Large range of lining (Sympatex© - Microfiber - Leather) and different lacing systems regarding your needs of comfort, easy to use and life time.
- Our tender department and design department are at your disposal to study, develop and manufacture the product according to your needs.



BOCHE

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MOBILE COMMAND POSTS AND EMERGENCY OPERATION CENTERS - EMERGENCY MEDICAL COMPONENTS

RAPID DEPLOYMENT STANDALONE CONTAINERISED MODULES

20ft ISO expandable shelters in transportation/storage mode can be deployed with 6 cells offering a 80m² fully equipped controlled and networked environment. Integral Air Filtration of command posts and equipment for operating theatres ICUs, triage, command & Control etc. Multi-mode transportation compliance (Air -Rail-Road-Maritime).

WATER PURIFICATION UNITS

- Standalone production of drinking water from fresh, raw, polluted or salt water source.
- Decontamination of water (Waste or industrial/catastrophe pollution, CBRN accident).
- Mobile containerised Sludge Dewatering Modules.
- WPU yield from 4m³ to 400m³/day with portable, containerised or vehicle integrated units.
- Solar Powered Mobile Water Purification Units.

CEGELEC DÉFENSE

CEGELEC is a legacy provider of mobile Emergency Operation Centres, Mobile Command Posts, Field hospital components and Water Purification Units Posts to the French Gendarmerie and Civil Defence. Lessons learned from the battlefield deployment of equipment have been reflected into emergency services and humanitarian relief agencies solutions (Ambulance /Emergency Services and Fire department units).



DAHER

Daher is present in the defense, space and civil aviation markets. Building on the expertise derived from more than 150 years of logistics services, the Group offers tailored-made manufacturing solutions to provide enhanced security for its customers' product flows and transportation operations.



Risk evaluation



Surveillance



Communication systems



Command, coordination & management



Mobility



Barrages



Health risk management

DAHER'S EXPERTISE IN FIELD OPERATIONS, SHELTERS AND CONTAINERS

TACTICAL SHELTERS AND INTEGRATED CONTAINERS

Daher designs, manufactures and integrates logistical and mobile air transportable tactical shelters, as well as standard and specific containers. During transportation, these products allow the protection of the most sensitive equipment such as radars and communication systems.

Daher ensures design, sizing, manufacturing, qualification, ILS, MOC and dismantling of shelters and containers. More than 200 models of containers are available in different materials. Thus, Daher offers comprehensive industrial and service solutions tailored to the needs of its customers. These meet European military standards in compliance with the strictest quality requirements (ISO 9001 V 2000, AQAP 2210).

A LONGSTANDING PARTNER OF THE ARMED FORCES

As a historical supplier of the Armed Forces, Daher provides unique integrated solutions, based on a thorough knowledge of high security standards in the defense sector. In this highly competitive market, Daher stands out for its end-to-end service offerings, which aims to facilitate projection and supply of the Forces in operation as well as to optimize the availability rate of deployed equipment.

The Group has a dedicated unit responsible for coordinating services with the Armed Forces in accordance with the deadlines. Thanks to their demonstrated expertise, the Daher teams cover the transportation of materials and commodities by air, sea and road; the planning and deployment in hostile environments, along with the tracking of convoys via geolocation beacons. Daher also carries out strategic monitoring of an administrative, diplomatic and technical nature.

By operating on bases and in foreign operational theatres, Daher helps the Armed Forces in their peacekeeping missions.



DAHER

DAHER

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Command,
coordination
& management



Mobility



Health care
ressources
Support for first
responders

DESCHAMPS

MOBI-MAT®: GROUND IMPROVEMENT AND FLOORING FOR DEPLOYABLE CAMPS

SHELTER AND TENT FLOORING

Tentfloor™ gives deployable tents and shelters an improved ground. It particularly helps people to live and work in non-prepared areas like grass, mud, dust or snow. Its specific 3D design provides **insulation** and **stabilization**, as well as very low logistic impact is an **ultra-lightweight** and compact flooring. Its high durability material assure the longest lifecycle under the worst conditions.

Mobideck™ is a **dry and adjustable rigid flooring**. It gives shelters and tents a raised rigid deck. Made of aluminium panels and frames, it is modular and can fit every shelters. Its specific features allow users to **adjust the height** after installation in order to level the floor. Thanks to the logistic room for cables, pipes, etc. under the panels, it is particularly useful for command shelter or medical shelter.

CAMP ROADWAY AND PATHWAY

Campfloor™ is a ground improvement mat for **camp traffic**. It avoids people and vehicles to carry dust, and it keeps the ground stable under muddy and snowy conditions. Made of patented permeable fabric, it assures the best **water draining** during heavy rains or thaw period. Campfloor™ mats are designed in order to minimize the logistic impact and the installation time.

HELICOPTER LANDING MATS - HELIPAD

TAHEL™ portable helipads make a few people able to install a **safe landing zone** for helicopters in a very short time. It is **highly visible** from the air, even during night flights. Its specific material assures the best dust retention and gives a clear and stabilized area for **replenishment** and **medical** vehicles.

DESCHAMPS' Mobi-mat® range is dedicated to ground reinforcement, deployable flooring and tactical mobility. Since 1860, DESCHAMPS develops and manufactures in France innovative solutions for very demanding applications. DESCHAMPS operates worldwide and is a reference supplier for the main armed forces such as French, US, German, etc. and also international organizations like NATO/NSPA or United Nations.



DEVERYWARE



Risk
evaluation



Communication
systems



Command,
coordination
& management



Training,
consulting
& support

Deveryware is the European leader in technologies and services for global security (with €30M turnover and 140 collaborators). Its subsidiary, Resiliency, provides tools and services for risk and crisis management. Its expertise also covers next-generation emergency calls with Ghale, an emergency call routing system enabling greater interoperability between mobile apps and emergency call centres.

SOLUTIONS AND SERVICES FOR CRISIS MANAGEMENT AND EMERGENCY CALLS

MANAGING CRISES, RISKS AND EXCEPTIONAL EVENTS

As a subsidiary of Deveryware and for more than 10 years, Resiliency has been preparing organisations to face exceptional situations so as to improve the safety & security of companies and populations. Its global offer encompasses consulting and training services, tools and trainings dedicated to the management of and preparedness to sensitive situations. It also provides simulation exercises and digital solutions for managing and communicating about crises:

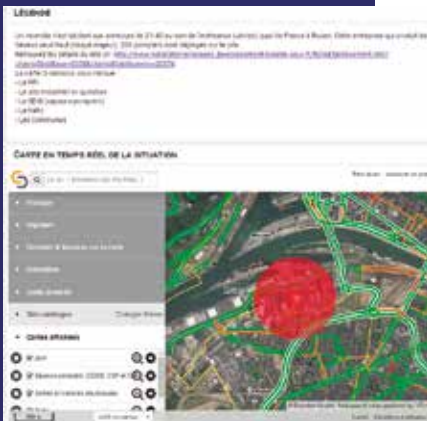
- CAIAC: geographic information system;
- SAGA CRISIS: logbooks and situation dashboard;
- VISIOBOARD: monitoring & tracking dashboard;
- FULLEX: crisis exercises for media and social networks;
- DIGITAL ECOSYSTEMS/VOTRESALLEDECRISE.FR: the « marketplace » bringing together tools for monitoring and managing crises, and for business continuity.

NEXT-GENERATION EMERGENCY CALL

GHale is an emergency call routing platform in compliance with the European standard PEMEA (Pan-European Mobile Emergency Application), according to the next-generation Pan-European emergency call service - web 112. It improves the interoperability of the 112 helpline with emergency call centres and beyond frontiers, and offers many advantages:

- Precisely locating a person's call, wherever they are in Europe (location sent automatically to the 112 centre);
- Sharing of vital data with emergency services, in full compliance with GDPR requirements;
- « Facilitating » communication with emergency services: exchanging contents (photos, videos), video chat, real-time multilingual translation of messages exchanged with emergency crews;
- Enabling hearing-impaired and deaf people to make phone calls, with the assistance of a sign language interpreter.

The application is currently being deployed in Europe: in Spain (notably in partnership with the telecom operator Telefónica), Romania, Slovenia, the Netherlands, Sweden and Finland. In France, it is being developed within the framework of the NexSIS project.



DEVERYWARE
Committed to Better Security

DEVERYWARE

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Risk
evaluation

Surveillance



Robotics

ECA GROUP

COMPLETE RANGE OF SOLUTIONS FOR DEFENCE AND SECURITY: UGV - UAV – TRAINING SIMULATION

GROUND ROBOTICS SOLUTIONS - UGVs - FOR ANY KIND OF EMERGENCY RESPONSE

ECA GROUP designs and develops UGVs (Unmanned Ground Vehicles) dedicated to emergency response. These solutions are based on combat-proven platforms that are in service within the armed forces and civil protection units. As a result, these solutions can be easily integrated into a chain of command. ECA GROUP's UGV systems have a unique architecture to easily equip various sensors or collection and analysis systems in order to assess the situation in real time. Thus, these solutions are suitable for a large number of operations: Intelligence, recognition, neutralization of IED / EOD, CBRN etc...

Thanks to a wide range including mini and medium-sized UGVs, it is possible to intervene in hostile, constrained environments, in a completely safe way and without exposing personnel to danger.

AERIAL DRONES - UAVS - FOR RECOGNITION AND SURVEILLANCE OPERATIONS

ECA GROUP also offers a high-tech multi-mission aerial drone: the IT180. This UAV in service within the armed forces and civil protection units offers a long endurance and a low acoustic signature allowing to conduct discreet missions.

Thanks to its carrying capacity and its robustness to weather conditions, the IT180 designed by ECA GROUP is an ideal solution for effectively inspecting an area, locating victims, carrying out dangerousness measurements or placing measurement sensors on the ground.

TRAINING SIMULATION SOLUTIONS

ECA GROUP designs driving simulators. Its latest innovation: an emergency driving simulator meeting the specific needs of civil and armed forces drivers.

Renowned for its expertise in robotics, automated systems and training simulation, ECA GROUP develops and integrates operational robotic solutions to respond to emergency situations. The solutions offered by ECA GROUP are based on a complete and interoperable range of drone systems to intervene in hostile or constrained environments.



ECA Group | Training Simulation | Ef



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EDICIA



For 10 years EDICIA has equipped more than 300 cities and territories for the security of more than 22 million citizens.

EDICIA DESIGNED THE CITY ZEN PLATFORM FOR MANAGEMENT AND OPTIMIZATION OF PUBLIC SAFETY

DETECT AND ANTICIPATE RISKS, GENERATE ACTION PLANS, SECURE OFFICERS ON THE FIELD

The CITY ZEN platform is a platform that connects above the hypervisors which collect the different information flows (cameras, IoT, social networks, geolocated events / resources, etc.). Thanks to its Artificial Intelligence on flow analysis it allows to anticipate and detect risks.

Daily security management and crisis management are optimized:

- Operators are now focused on main tasks instead of reacting to each sensor or camera movement;
- Resources on the field are guided by action plans suggested by AI;
- Plans are anticipated and several scenarios tested for more efficiency;
- All information in ONE view to make the decision: available resources, team positioning, field activities, current calls and events, possible risks, command and control optimization;
- As the platform is used both daily and for crisis, it is always operational and controlled by its users;
- Remote Command & Control function mode is available for use in vehicles.

MAIN CHARACTERISTICS

- Real time risk treatment and detection of imminent risk.
- Treatment and detection of risks (*) to come (24 / 48h).
- Mapping of risks and activities.
- Dynamic rescheduling of calls.
- Dispatch of means and resources.
- Tactical messaging.
- Tracking of all actions (Feedback).

(*) Anticipated risks: meteorological risks, road accidents, assaults, riots, thefts, vehicle thefts, burglaries, illegal occupation of public spaces, etc.



EDICIA

EDICIA

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Command,
coordination
& management

Leveraging years of defense-related R&D, Egidium solutions are well fitted for the management of highly sensitive situations (urban security, large events, SWAT operations), as well as critical infrastructure protection. Egidium's software platform enables data fusion from heterogeneous sensor subsystems to address alerts more rapidly, providing operator-friendly supervision for security and crisis management.

INTRODUCING TACTIC PLAN™ BY EGIDIUM TECHNOLOGIES, A SOLUTION TO MANAGE PREPARATION AND COMMAND OF OPERATIONS

This software allows to:

- Visually represent the crisis situation;
- Plan and coordinate the operations;
- Report progress to the chain of command in real time;
- Replay the whole operation for lessons learned.

Easy and fast to use, Tactic Plan™ can be used in all locations and circumstances (whether at a briefing or during transit in a vehicle, helicopter, plane, etc.). Available on laptop or tablet, Tactic Plan may even allow the user to manage multiple operations simultaneously.

Tactic Plan has been deployed for - and in cooperation with - the National Gendarmerie Intervention Group (aka GIGN « Groupe d'Intervention de la Gendarmerie Nationale »).

Egidium leverages its Integrated Security Automation Platform ("ISAP") to provide other pre-packaged solutions addressing specific needs:

- **Smart Shield™** for site intrusion prevention via unified supervision of all preinstalled security systems;
- **Event Monitor™** for smoothly managing security and safety at large events, enabling operational security personnel to react rapidly and efficiently.



EGIDIUM

Egidium Technologies is a French start-up providing advanced 3D supervision and incident management solutions for security and safety.



EGIDIUM
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EONEF



EONEF designs and sells a multi-services air platform self-sufficient in energy that stays in the air for weeks in autonomy. Our technology is a tethered helium balloon that enhances the coverage of the embedded equipment such as telecommunication and observation systems on isolated or difficult to access areas for: first responders teams, scientific missions, industrial sites and outdoor events.

AERIAL SURVEILLANCE BY HELIUM TETHERED BALLOON WITH EMBEDDED CAMERA

AN ENDURING AIRBORNE VECTOR FOR EMERGENCY RESPONSE

EONEF is a French startup, created in 2016, bringing an aerial innovative solution, strengthening the security of extended sites.

The helium tethered balloon is a synonym for endurance. The use of small volume aerostat facilitates maneuvers and limits operational costs due to helium consumption and maintenance. EONEF's EO-10 (10m³) and EO-20 (20m³) balloons are designed to be technically, financially and operationally optimized in this direction.

Combined with an EO/IR camera, the balloon offers a persistent aerial view of a territory, enabling better coordinated actions by ground teams.

The balloon is an excellent air vector and can carry other technologies such as telecommunication antennas, jammers or radars.

EONEF'S EXPERTISE & BALLOON PERFORMANCES

EONEF is able to integrate various of its client's payload on one of its balloon (10m³ or 20m³ balloon).

We can also adapt the dimensions of our tethered balloons to meet operational restrictions or payload carrying capacity.

- Multi-purpose helium tethered balloon 10 to 20m³.
- Payload 1.5 to 5kg.
- Electric winch with automatic rewinding and deployment.
- Ground balloon docking station for easy maintenance and safety of the system.
- Remote-controlled Day/Night camera with live image feedback (optional: automation of perimeter rounds and alert feedback).
- Wind resistance 60km/h.
- Flight duration of several months.
- Partial re-inflation maintenance every 5 days on average.
- Energy autonomy: batteries, umbilical cable.



EONEF

EONEF

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Surveillance

Alert system
Alert ManagementProtective
equipment

EXAVISION

DESIGN AND SUPPLY OF OPTRONICS INTEGRATED SOLUTIONS

THERMOGRAPHIC SOLUTIONS FOR FIRE DETECTION

NEMOSYS-FIRE: Combination of a high-resolution day camera and an infrared camera for monitoring and preventing fire. It measures temperature differences to assess the severity of a situation and uses one or more uncooled micro-bolometer sensors. It produces thermal images with resolution up to 1024x768 pixels thanks to digital processing.

The camera features a processing algorithm allowing real-time detection of hot spot according to parameterizable threshold for the operation of the continuous patrolling system mode or POI mode (point of interest). Once an alert is triggered, the alarm verification is performed using the associated HD color day camera.

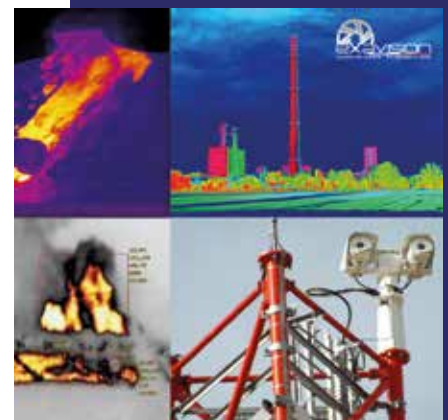
NON-LETHAL ACOUSTIC EFFECTORS

The Long Range Acoustic Device® (LRAD®) produces a concentrated 15° - 30° beam of sound to broadcast highly intelligible voice messages (live or prerecorded) and safe, powerful warning tones over large distances. LRAD acoustic hailing devices (AHDs) hail, warn and communicate to crowds, individuals and vehicle/vessel threats over distances up to 5,500 meters and create large safety zones, unequivocally determine intent, safely alter behavior, peacefully resolve uncertain situations and save lives on both sides of the Long Range Acoustic Device.

Some advantages:

- New dimensions to loudspeaker technology;
- Controlled Sound Dispersion (15° to 360°);
- Highly Intelligible Broadcasts (Voice & Tone);
- Long Range (Close range to over 5,500M);
- Designed to Rugged, Military Standards for Harsh Environments;
- Sensitive site and border surveillance.

EXAVISION, independent French SME since 1990, manufactures and provides a range of solutions (optronics systems, radars, softwares and non-lethal effectors) to protect sensitive sites, ports & airports, critical industrial infrastructures. We are offering cutting edge solutions for industrial process surveillance, gas and fire detection and mass notification.



HUTCHINSON



The Hut' is a versatile, all-in-one, energy self-sufficient shelter. This all-in-one module can be deployed in less than 10 minutes, to take the form of a complete of 25 m². It has won 3 Innovation Trophies: Expoprotection 2018, Préventica 2019 and the Security Trophy 2019.

It has been adopted by the Paris firefighters, EDF, Total, Adecco, CEA, Veolia, the Red Cross, the White Cross, etc.

THE FIRST SELF-CONTAINED & ALL-IN-ONE SHELTER

HUTCHINSON

Hutchinson is a global leader in vibration control, fluid management and sealing technologies. Our Group stands out by offering a wide range of expertise in a variety of markets.

Our main goal is guaranteeing the comfort and safety of all Hutchinson customers.

Hutchinson's main levers: innovation and operational excellence.

Our innovations cover a wide variety of particularly demanding markets, from automotive and aerospace to defense, energy, rail and industry.

THE HUT'

The Hut' By Hutchinson is an autonomous and all-in-one emergency shelter ideal dedicated for crisis management, for evacuation of people, mobile command posts or as a rear base for teams in intervention.

As part of the Covid-19, this mobile shelter can be dedicated to reception, temperature measurements, a disinfection area, or confinement outside the walls in the event of proven detection of positive cases, etc.

Ergonomic and intuitive, this patented system converts into a customisable shelter composed of an inflatable tent and includes a host of features: lighting, water point, furniture (tables and benches), electrical appliance charging zone (in particular for Pcs and mobile phones).

This shelter has over 24 hours' autonomy thanks to its battery; generator or mains connection is also possible.

Installed in under 10 minutes via an automatic inflation system, the Hut provides 25 m² of modular space. Several Hut's may be connected to each other to adapt perfectly to all types of terrain and the number of people to be accommodated.

Its storage system is as ergonomic as its deployment; this shelter is ready to be stored away in 10 minutes.

In addition to comfort, the Hut' provides the advantage of easy logistics both in terms of transport and storage, thanks to its compact dimensions of just 1m² on the ground!



Hut'
by HUTCHINSON

HUTCHINSON

Céline GIRAULT

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www.hut.hutchinson.com



Fire fighting
équipement

RECOGNIZED MANUFACTURER OF FIRE AND RESCUE MATERIAL SINCE 1985

INNOVATION TO PROTECT AND RESCUE

To deal with ever-changing fire risks and search and rescue missions, fire-fighting equipment must continue to develop and be increasingly efficient, whilst ensuring that firefighters are as safe as possible.

To respond to these challenges, LEADER, fire and rescue equipment specialist, is strongly focused on innovation and new technologies, employing its own Research and Development team. This team develops with end users the fire and rescue equipment that will be offered tomorrow. To test and validate this equipment and evaluate its performance, LEADER continues to invest in its own infrastructures: test rooms, outdoor test areas...

A MAJOR PLAYER IN THE FIRE AND USAR WORLD

Established in France, Germany, United States of America and China as well as internationally plan thanks to a large network of more than 300 distributors, LEADER is a worldwide recognized manufacturer of innovative fire and rescue equipment.

For more than 35 years, LEADER has developed and manufactured increasingly high-performance equipment, we supply to Fire & Rescue Departments (Firefighters), Public Safety services, At-risk industries, the Navy and other armed forces, etc. across five continents.

Two ranges of equipment are offered such as:

- Fire fighting: fire blower fans, thermal imaging cameras, fire nozzles and monitors, etc;
- Rescue and responders Protection: Victim search apparatus, search cameras, stability monitors.

LEADER

OUR MISSION:

To design and supply firefighting and search and rescue professionals with high-tech, strong and reliable USAR and firefighting material in all circumstances, to protect and rescue people and assets.



LEADER®
● Fighting for performance

LEADER SAS
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LUCEOR



Robotics

Communication
systems

Mobility

Health care
ressources
Support for first
responders

Luceor is the pioneer and leading provider of high-performances wireless mesh private networks.

Luceor's WiMesh private networking solutions are designed for critical applications requiring a secured high level of services. They perform under the most demanding circumstances including fast mobility, in open, dense or changing environments, where traditional wired or wireless technologies are not suited.

Luceor WiMesh network deployments can be fix or mobile, permanent or temporary, whether in context of events or emergency situations (for periods of years, days or just hours).

Luceor WiMesh's Products range and features diversity enable seamless integration with existing IT infrastructure and/or in full autonomy. WiMesh networks are fault tolerant and are designed for simple and rapid deployments by non-technical personal mobility, rapid implementation by non-technical field operators.

With unmatched performances - up to 600 Mbit/s TCP and 1ms latency per hop - and flexibility of its configuration - full multi-radios flexibility - handover-free in mobility- Luceor solutions enable multiple network and scalable topologies from fix point to point to highly mobile fully meshed architectures.

MOST POPULAR APPLICATIONS INCLUDE

- CCTV / Urban videosurveillance.
- Events security : Sports, Cultural, Government summits, Congress, etc.
- First-Responders Emergency Systems.
- Sensitive Sites Protection.
- Inter-building broadband connectivity (VoIP, data, video).
- V2X & V2V (Agents, Robots, Drones) broadband embedded connectivity.
- Real-time video-HD Ground-to-Train/Vehicles for public transports.

KEY MARKET REFERENCES INCLUDE

- Events Security : France Ministry of Interior's operational systems division (STSI²) selected Luceor WiMesh technology as their standard for HD video in real time transmission in large events (G7, Euro 2016, Le Mans, etc....). RAID (the elite unit of the National Police), CRS (mobile units of the National Police) or BSPP (Paris Firemen's Brigade) are among the most prestigious users.
- Major industrial or logistics sites for their critical security and/or operations applications, such as connecting agents and vehicles (First-responders patrols) and or industrial or logistics systems and machinery for real time connectivity to the Corporate Information Systems. Ports of Le Havre and Eurofos (Dubai Port World & CMA-CGM JV) or Eurogate-NTB Bremerhaven (4th European Containers Terminal) or Orano are world leader users who did choose Luceor WiMesh.
- Cities & Metropolises : Over 200 cities have deployed Luceor WiMesh for multi-services networks and for video surveillance applications. Multiple SDIS (Regional Firemen's Groups) have deployed Luceor WiMesh for their emergency deployments systems Nice and Le Havre Metropolises have deployed Luceor WiMesh for their WiFi-HD and/or Real-time video-HD Ground-to-Train Communications for their Tramways.



LUCEOR

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Risk
evaluation



Modeling



Command,
coordination
& management



Training,
consulting
& support

MASA GROUP

CRISIS MANAGEMENT SIMULATION FOR DECISION-MAKERS

MASA SYNERGY

SYNERGY is a training and decision support software designed to help public and private organizations train their executives and agents to face emergency situations in order to make the right decisions in stressful situations. SYNERGY simulates multi-actor crisis scenarios, modeling public security and civil defense operations at the local, regional or national level.

SYNERGY is used to:

- Train, prepare crisis cells and decision-makers;
- Prepare and validate emergency and security plans;
- Confront a real situation with a simulated situation;
- Help decision makers;
- Analyze the impact of disasters on the population and infrastructure;
- Stimulate command and control centers.

XVR ON SCENE

XVR is a software installed on an immersive learning platform for the training and coaching of first responders in an emergency situation. It is intended for firefighters, police and gendarmerie forces and all those who have to intervene in abnormal situations.

ON SCENE is a tool giving trainers total freedom to design and execute scenarios according to the pedagogical objectives pursued. This platform can be used in mono or inter-service for all levels of command, in lectures, team training or individual training.

Operations managers can benefit from a safe, controllable, reproducible and measurable environment where they can experiment with incidents and non-conforming situations.

ON SCENE allows trainees to quickly acquire reflexes, specific know-how and initiative without any risk. ON SCENE drastically reduces the human and financial costs of training and coaching by enabling trainees to safely apprehend dangerous situations.

MASA is an international leader in behavioral and decisional AI, providing specialized software for defense, civil security, crisis management and serious games. Founded in 1996 and based in Paris, France, MASA develops long-term partnerships with its clients, both state and private, to help them train their personnel, manage incidents and crises and prepare for the future.



MASA GROUP
Magalie VEYRAT
8 rue de la michodiere
75002 Paris - France

METRAVIB DEFENCE



Surveillance

Alert system
Alert Management

Robotics

Protective
equipment

Detection

All over the world, METRAVIB DEFENCE provides defense and civil security actors with effective solutions for monitoring, detecting and locating threats. The systems developed by METRAVIB DEFENCE use the sound waves generated by the firing of arms to detect and accurately identify their location in real time. By reducing this urban violence, METRAVIB DEFENCE is helping law enforcement to improve community security and save lives. We are proud to help make the world a safer place.

ACOUSTIC DETECTION OF THREATS

MAKING THE WORLD A SAFER PLACE

METRAVIB DEFENCE, created in 2019, is a subsidiary of ACOEM Group. Over 25 years in the service of world-wide security for the protection of people, sites and vehicles, METRAVIB DEFENCE has developed high-performance threat surveillance, detection and localization solutions for the defence and civil protection sectors. Our Combat Proven solutions are in more than 30 countries and are both certified ISO 9001 and ISO 14001.

We rely on the expertise of our teams to offer our customers innovative, reliable, high-interoperability and value-added products that meet their evolving emergency needs.

SEVERAL APPLICATIONS:

- Protection of the sensitive infrastructures and events;
- The system listens to the acoustic waves emitted by the shot and provides real-time alert to the operator. The systems can use multiple collaborative acoustic sensors and can be interfaced with video surveillance (CCTV) equipment to improve security through wide-area monitoring and reporting events;
- Integration of innovative solutions on different mobile platforms (vehicles, drones, robots);
- Solutions deployed easily in both defence and homeland security scenarios such as:
 - VIP gatherings (G8, parades, commemorations, etc);
 - Security of airports, schools and campus;
 - Protection of public events;
 - The security of special transport (funds, dangerous materials, etc);
 - Reconnaissance missions.

36



 **Metravib
Defence**

METRAVIB DEFENCE

Laurent GALINDO

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www.metravib-defence.com



MY KEEPER

MY KEEPER, DESIGNER AND DEVELOPER OF INNOVATIVE ALERT SOLUTIONS FOR COMMUNITIES ISOLATED WORKERS AND GENERAL PUBLIC

SECUR ECOLE, SAFETY & SECURITY INNOVATION AWARD

SECUR ECOLE is a threat prevention system for schools.

MY KEEPER's MY KEEPER Athena PPMS beacons are at the heart of this system. In case of intrusion in the school by a malicious individual, a simple pressure allows to alert the outside (Municipal Police or CSU) and to ring all the beacons present in the school.

The beacon behaves like a telephone. A remote assistance operator or the municipal police calls the beacon and removes any doubt thanks to the sound environment around the beacon.

The SECUR ECOLE solution offers an administration interface that allows to control and manage the operation of the whole fleet of Athena beacons and sirens.

The SECUR ECOLE solution allows to secure the schools thanks to a great simplicity in the protocols of launching of alert and in the configuration of the school groups. In 2018, MY KEEPER received the innovation prize from the French Mayors Association to reward the advantages of the SECUR ECOLE SOLUTION compared to traditional solutions.

SECUR ESPRIT, THE MULTI-HAZARD ALERT SYSTEM FOR THE SAFETY OF ISOLATED WORKERS.

SECUR ESPRIT is a unique and innovative solution to ensure the safety of all isolated workers or those with high-risk jobs.

The SECUR ESPRIT solution is based on two types of alert devices for isolated workers: the Athena beacon and all Android professional smartphones that MY KEEPER can remotely optimize as an alert trigger, without any mobile application.

Thanks to the SECUR ESPRIT administration interface, the security manager can manage and coordinate the different alert devices. Setting up and managing the interface is simple and the flexibility of the device allows you to cover all the risks faced by your isolated workers.

Founded in June 2016, MY KEEPER is a family-owned start-up that offers innovative solutions for personal safety in municipal facilities. Since its creation, the company's objective has been to revolutionize the security sector thanks to new technologies. Today, MY KEEPER offers one of the best warning systems to ensure the safety of people present in school buildings and isolated workers.



MY KEEPER
Evelyne DEMARCHEZ
 President and co-founder
 154 chemin Saint Michel
 06620 Le Bar Sur Loup - France

NBC-SYS

Protective
equipment

Detection

In a strong position due to more than 60 years' experience, NBC-Sys is able to meet the most complex expectation of armed forces and Civil Defense regarding detection, individual and collective protection, and immediate or thorough decontamination.

Due to our know-how devoted to innovation, contracting and Customer service, NBC-Sys is a leading company in the field of CBRN protection (Chemical, Biological, Radiological and Nuclear)



DESIGNER AND PRODUCER OF INNOVATIVE SOLUTIONS AGAINST CBRN THREATS

DESIGN, DEVELOP AND MAINTAIN

NBC-SYS PROTECTION SYSTEM DEDICATED TO CIVILIAN AND MILITARY PERSONNEL AND FIRST RESPONDERS TEAM

To enable to deal with an accidental or malicious event of a CBRNe nature and counting on knowhows devoted to innovation, main contracting and customer service, NBC-Sys proposes to first responders in charge of security and aid (fire brigade, police, paramedics, hospitals, etc.), breathing equipment (gas masks, hoods, power-assisted individual protection systems, survival kits, etc.), detection equipment and air filtration systems for vehicles of any type to enable them to do an efficient and permanent job.

A LARGE RANGE OF PRODUCTS

In this respect, NBC-Sys proposes a vast range of products meeting your needs as regards CBRN defence:

- Gas masks;
- EVATOX type hoods for adults, children or babies;
- Filter cartridges to suit any type of threat;
- Blower (breathing assistance, VIP);
- Survival kit (individual or medical, assistance kit for gassed and contaminated victims);
- Air filtration and air conditioning of emergency service vehicles;
- Emergency or thorough decontamination systems (decontamination glove, mass decontamination kit, gel for treatment of infrastructures, for vehicles and contaminated personnel and victims). Applications: Site survey/site monitoring, logistics/health evacuation, opening a booby-trapped route, combat.



nexter K+N
A COMPANY OF D+S

NBC-SYS

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Training,
consulting
& support



Protective
equipment



Detection



Health risk
management

OUVRY

World leader in latest-generation CBRN protection and decontamination systems, Ouvry manufactures solutions developed in partnership with end users to meet their operational needs. Ouvry has developed a wide range of products for all types of operators: soldiers, Special Forces, pilots, deminers (EOD), law enforcement, firefighters, first responders, Civil Security, critical infrastructures and transport services.

OUVRY: "THEY PROTECT US, WE PROTECT THEM "

CBRN PERSONAL PROTECTIVE EQUIPMENT

CBRN air permeable protective suits:

- TFI®: CBRN Intervention overall;
- Combat suit: Permanent wear concept, vest and trousers;
- Polycombi®: Polyvalent protective suit for first-responders;
- OCPU®: undergarment to be worn under regular equipments;
- TARGET® gloves: air permeable CBRN gloves, great dexterity for handgun use;
- OPPS®: Ouvry Pilot Protective System, a unique CBRN protective system for aircrew and pilot, offering an ultimate thermophysiology, autonomy, and compatible with all platforms.

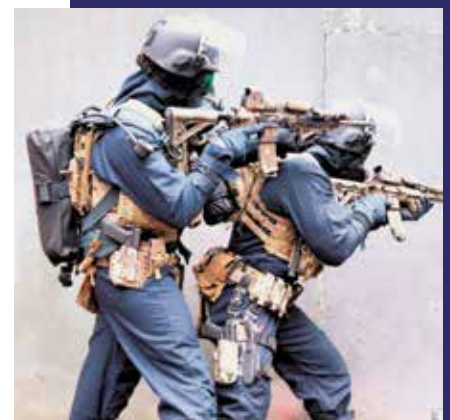
CBRN protective mask: OC50®: The OC50® mask combines high protection, excellent long-lasting comfort, and lower cost of maintenance in operational conditions than other masks on the market.

Medical transport: EVACOPS®, a new evacuation bag for contaminated victim, specially designed for the transport of contaminated victims from the field to the medical care area, while allowing emergency medical action during transport.

Decontamination: DECPOL®, new glove for immediate and dry decontamination: polyvalent, broad spectrum, no cross-contamination.

TRAINING

- SIM KIT®, to make training sessions more realistic and safe. Kit of 3 new generation and realistic simulants, which perfectly simulate the chemical warfare agents HD, VX and GB.
- CBRN Training: Audit, general training on CBRN risks, how to use CBRN PPE, Train the Trainer, customized training, maintenance training (NTI1/NTI2).



OUVRY

Systèmes de protection NRBC

NUANCES TECHNOLOGIES

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PAUL BOYÉ TECHNOLOGIES



Training,
consulting
& support



Protective
equipment



Health risk
management

Specialist in CBRN protection, Paul Boyé Technologies designs and manufactures combat suits and protective equipment for armies, special forces, civil security, emergency medicine and the ministries of Armies, Interior and Health, for France and for export.

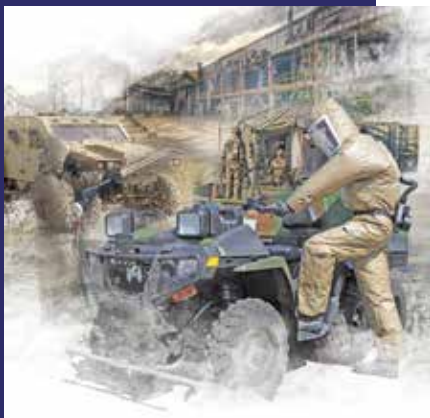
HUMAN PROTECTION IN AN EXTREME AND CBRN ENVIRONMENT

FROM RESEARCH TO INDUSTRIALIZATION

For more than forty years, Paul Boyé Technologies has placed quality at the heart of its industrial know-how thanks to a permanent dynamic of innovation and progress. Paul Boyé Technologies develops and produces different ranges of protective equipment, CBRN, Ballistic, or Fire and has a "Made in France" industrial policy. 2 production sites in France employ nearly 300 people. Paul Boyé Technologies masters all stages of product design, from the research unit to industrialization and end-of-life management and has thus developed, by listening to the specific needs of its customers and thanks to its expertise, a complete range of CBRN protection systems guaranteeing an ideal balance between protection, durability and comfort.

PRODUCTS AND SERVICES

- Permanently worn CBRN filtering protective suits, developed to meet the needs of combatants, Civil Security and internal security forces of the Police and Gendarmerie.
- Waterproof CBRN protective suits (TLD and CLD type) meeting the needs of military personnel engaged in decontamination or reconnaissance operations. They also have many applications in the fields of health and civil security.
- Respiratory protection masks (Type FFP2) and surgical masks.
- Ballistic protection equipment (discreet vests, tactical vests, assault vests).
- Fire protection equipment.
- Paul Boyé Technologies offers a complete acquisition plan management service, as required by administrations that outsource the clothing or equipment function of their staff.
- A MOC unit (Maintenance in Operational Condition) of equipment.
- A training and consulting service in the use of equipment and systems.



Paul Boyé
TECHNOLOGIES

PAUL BOYÉ TECHNOLOGIES
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Risk
evaluation

Surveillance

Alert system
Alert Management

Mobility



Detection

PHOTONIS

HIGHLY SENSITIVE IMAGING SOLUTIONS

DIGITAL CAMERA SOLUTIONS FOR 24/7 OPERATIONS

Photonis is a high-tech organization experienced in innovating, developing and manufacturing photo sensor technologies.

Photonis offers a variety of solutions to help address the security and surveillance needs of today's most critical scenarios. Operators looking for high performance imaging systems for long range surveillance (up to 20km) or a handheld device for closer monitoring, as world leader in night vision technology Photonis offers appropriate solutions for every scenario.

Photonis understands the need for reliable 24/7 surveillance applications under a wide range of conditions and offers a broad range of products based on technologies as day-through-night CMOS imaging or using EBCMOS (Electron Bombarded CMOS) or ICMOS (Intensified CMOS) technologies for specific applications.

APPLICATIONS USING PHOTONIS TECHNOLOGY

In emergency situations, responders must be equipped with the best systems to fight complex situations. Systems integrating Photonis technology are used in many demanding emergency scenarios.

Applications are:

- All weather and 24/7 operations;
- Search & Rescue;
- Perimeter security;
- Large area control;
- Long range live observation;
- Fast deployment;
- Mobile squads (police, firemen, coastguards...).

Multi-sensing payloads for drones (indoor & outdoor)

In partnership with gimbal manufacturers Photonis developed ultra-compact payloads equipped with low light cameras, multi-spectral cameras (low light/thermal/swir). These payloads provide operators excellent vision to execute operations at night, even in rain or through smoke.

Imaging cores for handhelds

TacFusion fuses digitally visible day and low light with a high definition thermal channel and enables easy detection and heat decamouflaging (human body, fire...).

Portable long range imaging

High sensitivity of Photonis technology provides a clear superiority to all long range systems and is implemented in SYT systems. It captures and broadcasts video situations up to 20km and can be operated completely remote.

Photonis is experienced in innovating, manufacturing, and selling photo sensor technologies for more than 80 years and has always been preferred partner to highly demanding users.

Photonis solutions are highly qualified in extreme demanding environments, such as nuclear safety, night vision, electronic warfare and in scientific and medical environments (e.g. Special Ops, Hubble Telescope and Laser Megajoule).



41



PHOTONIS

PHOTONIS TECHNOLOGIES

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PROENGIN



Surveillance

Alert system
Alert ManagementCommand,
coordination
& managementTraining,
consulting
& support

Proengin proposes chemical and biological detection systems for military forces, first responders, but also for vehicles, ships and critical infrastructure. They detect simultaneously and in real time Chemical Warfare Agents, Toxic industrials, Pharmaceutical Based Agents but as well dangerous or suspicious Biological particles.

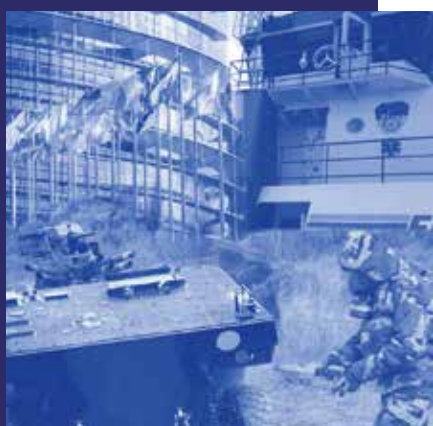
PROENGIN – EXCELLENCE IN CBRN THREAT MANAGEMENT

DETECTING, ALERTING

For almost four decades, Proengin has been mastering the AP4C technology. The company is innovating in order to develop, manufacture and market comprehensive chemical and biological detection systems. The detectors are designed to detect, in real time traditional CWAs, derivatives, fourth-generation CWAs such as Novichok, PBAs, and also dangerous or suspect biological particles.

UNIVERSAL DETECTION

- **AP4C is a comprehensive range of chemical detectors** for very severe environments affected by humidity, dust, mud and explosives with a low recovery time and almost no negative false alarms.
- **With its MAB biological detector**, Proengin proposes a new-generation field detector with a proven extremely low false alarm rate.
- **CBRN solutions on vehicles and Navy ships:** detectors can also be used on vehicles. AP4C-VB and AP4C-FB systems for both chemical and biological detection offer a significant cost advantage. Specific systems have also been developed for naval ships, including chemical detectors and visualization modules.
- **CBRN Systems for critical Infrastructures:** Government buildings, airports and commercial centers are increasingly equipped with CBRN detection systems. Proengin CBRN systems ensure high reliability as well as low maintenance costs for critical infrastructures.
- **Proengin is proposing** training solutions, technical assistance and worldwide maintenance support.



Proengin

PROENGIN

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Fire fighting
équipement

PROFOAM INTERNATIONAL

MANUFACTURER OF SUPERIOR QUALITY FIRE-FIGHTING FOAM CONCENTRATES

EXTENSIVE RANGE OF FIRE-FIGHTING FOAMS

PROFOAM's full range of high quality foams, including Protein and Synthetic based; Newtonian, Pseudoplastic; Low, Medium, High Expansion; Film forming (AFFF & FFFP), FP, F3 (Fluorine Free Foam), Class A and All-purpose AR, is conceived to fight the most difficult hydrocarbon and polar solvent fires.

Among the exhaustive range of PROFOAM products, one can always spot the suitable foam for use in all hazardous environments, such as those found in oil and gas, petrochemical and chemical facilities, industrial plants, fire-brigades, civil aviation and the armed forces.

Profoam uses biodegradable, nontoxic raw materials adapted to the requirements of a cleaner environment. Our R&D Dept. pays particular attention to only using chemical substances without ecological impact.

FACILITIES & SERVICE TO THE PROFESSIONALS

The production plant, certified ISO 9001, is located at Novara (close to Milan) in Italy, at the heart of Europe, allowing an easy access to most countries around the world.

The ultramodern production unit allows a daily production capacity of 200,000 litres.

Our fully equipped analysis laboratory, fire test field, operator training rooms, research and development department complete the production unit, giving the professional end users, the quality assurance they need where matters of safety are paramount.

In the case of large-scale emergencies, Profoam's global crisis service, available 24h/24h, ensures that ample quantities of foam is rapidly dispatched. Our modern warehousing facility is equipped with rapid loading bays for trucks, 20' & 40' shipping containers and tanker filling device.

For world-wide sales, PROFOAM INTERNATIONAL has been established in Paris, where an experienced team assists and advises international end users in the correct choice of foam compounds.

PROFOAM is known for its large production capacity, extremely short delivery terms, expertise and availability in customers' assistance.

PROFOAM is specialized in production of fire-fighting foam concentrates. PROFOAM produces an extensive range of high-quality, environment friendly (PFAS free) foam compounds able to fight all hydrocarbon and polar solvent fires.



PROFOAM
INTERNATIONAL

PROFOAM INTERNATIONAL

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PROTECOP



Health care
ressources
Support for first
responders



Protective
equipment

For more than 40 years, PROTECOP has been designing and manufacturing personal crowd control equipment for first responders.

As the first French company to have created protective equipment for crowd control, Protecop is proud to equip the French forces and worldwide.

Our commitments: Customer focus / Innovation / Quality / Deadlines / Traceability / Satisfaction.

DESIGNER AND MANUFACTURER OF PERSONAL CROWD CONTROL EQUIPMENT

DESIGN, CREATE, DEVELOP, PROTECT

With 40 years of experience feedback, PROTECOP is positioned as a known and recognised expert in the protection of first responders in both crowd control and ballistics.

Equipped with the latest technologies, PROTECOP develops exclusive equipment via integrated services: R&D department, design department, prototype workshop, etc.

As the owner of its production tool, PROTECOP controls the process of its products from design to manufacture. With innovation at the heart of its development strategy, PROTECOP offers its customers an ever more comfortable and high-performance range.

Since 2014, PROTECOP integrated a new technology: the design and manufacture of ballistic plates, allowing it to offer its customers a global solution, 100% French.

OUR OFFER

- Crowd control:
 - Modular anti-riot equipment;
 - Modular tactical vest;
 - PROTECOP crowd control equipment meets the requirements of French standard NF S74-303.

This standard measures the physical integrity of the equipment's user and gives precise indications as to whether or not there is a risk of injury.

- Ballistics:
 - Bullet proof vest;
 - Plate carriers;
 - Ballistic plates (ICW &SA).
- Demining:
 - Demining suit.

All ballistic solutions developed by Protecop are tested in approved laboratories and are the subject of patents.



PROTECOP

PROTECOP
Emmanuelle HOEBANX
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75008 Paris - France



Protective
equipment

FRENCH MANUFACTURER OF FIRE-FIGHTING EQUIPMENT

DESIGNER AND MANUFACTURER OF A LARGE RANGE OF FIRE-FIGHTING PRODUCTS:

- Hand nozzles;
- Monitors: from 500 to 10 000 l/min;
- Hose-reels (RIA);
- Measuring devices;
- Fire fittings.

R.PONS is a family company, created at the beginning of the 20th century that became a modern unit with powerful means. R.PONS company keeps as main goal the quality of services and products for its customers. The company develops constantly new products in copper alloys, aluminum alloys and stainless steel thanks to its perfect mastering of its foundries and their process. Our commercial team remains at your disposal to present all our products. Please, visit our website: www.r-pons.com

A COMPLETE RANGE OF PRODUCTS MADE IN OUR FACTORY IN FRANCE

• Hand nozzles

From 150 to 1000 l/min.

Manual: Adjustable flow-rate, DMR type.

Automatic: Regulated pressure, DMRS type.

• Monitors

From 500 to 10000 l/min.

Portable Monitors, with manual operation, or hydraulic oscillation.

Flanged Monitors in stainless steel, for fixed installation, or on trailer.

• Hose Reels (RIA)

All diameters.

NF and CE marking.

Hose reels in cabinet.

Foam Hose Reels (PIA).

Accessories (covers, hoses, nozzles, spare parts ...).

• Measuring devices

Control box for hose reels.

PONSTRONIC flowmeter for fire hydrant.

REGUPONS pressure regulator.

• Fire fittings

All types of couplings.

Junctions (dividing breeches, elbows, stop valves ...).

R-PONS

French manufacturer of fire-fighting equipment.



R-PONS

Sébastien CHARTIER

Export Manager

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www.rpons.cm

ROSTAING



Protective
equipment



Fire fighting
equipment

French company of 350 people, based in Ain since 1789, creator, manufacturer and distributor of personal protective equipment, specializing in ultra-efficient and intelligent technical gloves. Our motto, « men and hands for tomorrow », « talents in hands ».

DESIGNER AND MANUFACTURER OF HIGH-PERFORMANCE AND INTELLIGENT PROTECTIVE GLOVES OF RECOGNIZED QUALITY

DESIGN, MANUFACTURE, DISTRIBUTE, PROTECT

For professional or particular fields, ROSTAING is distinguished by its specialization on hand protection in the worlds of safety, firefighters, health / well-being, the metallurgical industry, woodworking, glasswork, green spaces.

With 230 years of experience, the ROSTAING group produces in its factories more than 7 million pairs by year of technical and high-performance gloves, with the constant search for protection and optimal comfort.

With 15 million users daily, ROSTAING is the leader in its field.

A development unit makes it possible to develop complex and more technical products in order to respond to users' problems.



ROSTAING®
TALENTS IN HANDS

ROSTAING SA
Stéphane ROSTAING
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17 avenue Charles de Gaulle
01800 Villieu-Loyes-Mollon - France
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Surveillance

Alert system
Alert ManagementTraining,
consulting
& support

Detection

Fire fighting
equipment

SCORPE TECHNOLOGIES

We create, design, manufacture and assemble our products locally for a better control of the production chain. Provide good services and products as part of a global solution adapted to your needs. Stay creative to save lives.

DESIGNER AND DEVELOPER OF EMERGENCY EQUIPMENT FOR FIREFIGHTERS, ARMY AND POLICE

INNOVATION, PRODUCTION, TEAM SPIRIT, GLOBAL PRESENCE

The company was founded in 1994, its founder Sylvain Duménil 24 years old at the time, decides to import and distribute rescue tools for RTA on the French market.

In 2006, the company having developed strongly in France, the decision is made to extend the activity for export.

Scorpe buys the French company Vibrasearch, manufacturer of victim location equipment, its two products the ASB8 (audio system) and the BVA 6 (video system) are re known worldwide.

In 2014, Scorpe buys out Aquafast, floating water pump manufacturer.

In 2016, Scorpe goes through another important step by creating its own range of electric rescue tools, The "Green spirit" range.

2019: New factory 5000m² building on 7 hectares land.

2020: New range of breaching tools.

FACTORY

Area of 5000 m² for manufacturing and testing.

OUTDOOR TRAINING AND TESTING AREA

Area of 700 000 m².

And 1000 m² offices.

WE ARE GLOBAL, WE WORK ALL AROUND THE WORLD

With 25 years of experience in fire and rescue, SCORPE aims to develop ranges of tools that facilitate the work of rescue, police, military teams around the world.

Scorpe people travel the entire world and get the feedback from teams worldwide which allow the company to develop and respond quickly to the demands of the market.

Always offer innovative products, thanks to the experience of its employees and customers.

Over the last 10 years SCORPE has developed over 100 products, building on to the latest available technologies.

The strength of our company comes from its collaborators and their group spirit.

Be serious without taking yourself seriously.

That's what we are.

WE ARE ONE

WE ARE SCORPE

Our goals can only be reached with innovation.

Each second can save more lives so we are determined to always create new solutions for you.



SECUROTEC



Health care
ressources
Support for first
responders



Protective
equipment



Health risk
management

Securotec, Designer and Manufacturer of Protection.

For 15 years, Securotec studies, designs and produces, pertinent solutions in the sectors of protection. Concerned about mobility issues, weight requirements, constraints of assembly and quick disassembly, Securotec offers a range of inflatable structures (SAS and Tents) and other containment devices for care or patient transport.

CREATOR AND MANUFACTURER OF YOUR PROTECTION FOR TODAY AND TOMORROW

INNOVATE, DESIGN, CREATE TO PROTECT

Since its creation in 2006, SECUROTEC works to design and offer adapted, scalable and effective protection solutions in the long term, consistent with new threats, especially with regard to viruses.

With an integrated design office and high-performance software, we specialize in high frequency welding and waterproof seams.

All our devices are made in France, near Lyon and are subject to rigorous quality control.

Our partnerships with manufacturers of technical materials and our expert management of logistics solutions allow us to be reactive even in complicated periods like the one we experienced in 2020 compared to the Covid-19.

SOLUTIONS ADAPTED TO YOUR NEEDS

- **THE CUBE** (Biosecured Emergency Room for epidemics): this 9m² self-contained, easily transportable treatment unit is deployed for highly infectious diseases. It allows the containment of contagious patients. CUBE was born out of operational research on an innovative model of an epidemic treatment center triggered by the emergency of the EBOLA virus, in collaboration with the NGO ALIMA. A unique alliance to answer to humanitarian challenges with new ideas and solutions.
- **PIC** (Portable Isolation Chamber): this **individual transport bubble** is recommended in disaster medicine. It is a mobile confinement cell intended for the transport of highly contagious or vulnerable patients. Its installation and removal are quick and easy and it is fully decontaminable. There is a pediatric version also.
- **SR 24 Tent: designed to house the Mobile surgical operations tent** of the SSA (Army Health Service), this 24 m² tent with inflatable structure is perfectly suited to meet the needs of ultra-rapid deployment with reduced human resources.



SECUROTEC
MANUFACTURERS OF YOUR PROTECTION

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Surveillance



Robotics



Mobility



Detection

SERA INGENIERIE

ROBBOX: POLLUTED ZONE RECONNAISSANCE AND LOGISTICS SUPPORT

MANY EMBEDDED SYSTEMS AND TOUGHNESS

The means of recognition and detection developed for the opening of mined and/or trapped routes for the Army can be integrated on the ROBBOX and used to recognize and secure areas potentially polluted by mines, traps or NRBC agents.

The means of detecting and analyzing NRBC pollutants can be integrated into the ROBBOX, which has the capacities to accommodate them, to recomplete them in energy and to integrate the communication's means necessary for the transmission of the collected information to the Command Post.

Its great autonomy allows it to operate several days on site conducting regular rounds, thus avoiding having to return to its base to refuel or maintain with the associated pollution risk.

HIGH PAYLOAD AND ENERGY SOURCE

ROBBOX, with its 1 ton payload is the ideal ally of your supply chain, especially if the area has controlled access following an accident or a pollution. With its tray that is more than 3 m², the rescuers will be able to load the wounded on the ROBBOX and it will evacuate them to the rescue station following the indicated routes. If your injured person requires an escort, a paramedic can board next to the injured person to assist and monitor their condition. After having entrusted your wounded to the rescue station, ROBBOX will return with a logistic cargo allowing to resupply the populations with medical means or subsisting.

With the mini land or air unmanned vehicles (UGV or UAV) it can get onboard, ROBBOX will be able to conduct exploration operations that will allow you to multiply your eyes and know where you need to intervene. Its onboard UAV or UGV will carry out their mission and return to the ROBBOX to recharge their batteries (induction or contact). They will then be ready to leave for a new mission without having to return to the base that may be remote.

SERA Ingenierie designs and manufactures special vehicles and equipment for the Army and Security Forces. Mine and IED detection and control is performed with the SOUVIM system. Investigation in polluted sites, route opening, logistical support and monitoring of sensitive sites is carried out with the ROBBOX robot.



SERT



Since 1976, SERT offers life support equipment in the Civil Security and humanitarian sectors.

The deployments and stationing of first responders around the world within emergency situations involve vital needs in the areas of catering and hygiene.

These equipment are intended to recreate acceptable living conditions and also contribute to the comfort and morale of the teams.

IMPROVING LIFE CONDITIONS IN EXTREME AND EMERGENCY SITUATIONS

MEAL PREPARATION IS ONE OF THE MAIN NEEDS

Meal preparation is one of the main needs to be taken into account during gathering people on unsuitable sites. Specialist of life support in all situations, SERT has designed three coherent range of catering equipment grouping together all the necessary functions: preparation, cooking, refrigeration, freezing, service, washing dishes, baking... These equipment have proved their efficiency and reliability in many theaters of operation.

CATERING RANGE:

- Cooking equipment on trailer or platform;
- Field Kitchen;
- Field Bakery /Kitchen /Cold;
- Field Bakery on trailer or platform;
- Containerized kitchen / bakery;
- Containerized kitchen set.

PERSONAL HYGIENE CONTRIBUTES TO HEALTH AND MORALE

Everything related to personal hygiene contributes greatly to the health and morale of people in difficult living conditions. Thanks to its long experience in the fields of management and hot water production, SERT offers three coherent range of sanitary equipment to satisfy the hygiene of the people on site: showers, sinks, toilets, laundry... All this equipment has been used successfully in recent emergency services or peacekeeping operations.

SANITATION RANGE:

- Hygiene modules;
- Sanitation /Showers trailer or platform;
- Field Laundry on trailer or platform;
- Laundry container;
- Hygiene container (showers/WC).

A MODERN CAMP MUST OFFER COMFORT AND WELL-BEING

A modern camp must offer comfort and well-being even in extreme geographic and climatic situations. SERT's well-know in the fields of heating, air conditioning and clothing allows us to produce many equipment to improve accommodation in difficult conditions: space heaters, air conditioners, rapid shelters, sun visors and multipurpose trailers. In operation in numerous civil or military organizations, the performane of these products has been proved worldwide.

LIFE CAMP RANGE:

- Space heaters;
- Hot water unit production;
- Multipurpose trailer or multipurpose platform (kitchen/showers/linen washing).



SERT

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SIDES

SPECIALIST IN THE DESIGN, MANUFACTURE AND MAINTENANCE OF FIRE FIGHTING VEHICLES, SIDES HAS BEEN OPERATING WORLDWIDE FOR MORE THAN 60 YEARS

VEHICLE OFFER

Airports (vehicles complying with ICAO standards)

The SENTINEL and S3X are special chassis vehicles with a panoramic cabin and central conduit for airports requiring water capacity up to 17,000 L. SIDES has just developed a specific S3X model, abroad military operations version, which combines excellent operational capabilities with high component hardiness (EUR 3 chassis, less electronics, etc.) and which is intended to be deployed in all the theatres of operations of the French army. « simplicity, robustness, efficiency and reliability ».

The SHERPA standard chassis vehicle meets airport requirements requiring water capacity up to 10,000 L.

The Fast Response Vehicle (VIR) can be declined in command car or as a first response vehicle.

Civile defense

The Ton Pump Van (FPT) offers all the means necessary for urban fire fighting. The tanker truck (CCF-CCR) allows an all-terrain crossing and is equipped with specific user protection for forest fires.

The Emergency Evacuation Vehicle (ESP) optimizes a fleet by providing extinguishing means and a sanitary cell on the same basis.

Industry

The foam vehicle (VMR) is dedicated to refineries, heavy industry or high risk industry. It allows to meet the need for the extinction of hydrocarbon fires thanks to the different types of on-board agents and its high extinguishing power.

Fixed or trailer pump and foam production units (GMPR -GMPF).

SERVICE OFFER

Our solutions systematically integrate a service offering whose scope, as well as the vehicle, is configurable according to the customer's need and which covers the following areas:

- Training: on-site and in-plant from vehicle pick-up to skills transfer. We also offer simulators for the use of fire systems;
- Technical support: provided by a team of sedentary technical experts available via a 24/7 hot line and a team of mobile technicians;
- Spare parts: we guarantee the durability of our vehicles through the supply of spare parts for more than 20 years, thanks in particular to the mastery of our components and a dedicated stock;
- Service contracts: designed according to the customer's needs, from the mandatory inspection to the complete maintenance of the vehicles. Contracts are currently underway worldwide.

SIDES is a part of the Armoric Holding group specialised in high-value metals processing. It is structured in 4 divisions: industrial bodywork, Mechanic, Sheet Metal, Vehicles, Fire Safety.

KNOW HOW

Meet the specific needs of each customer by designing and manufacturing complete firefighting solutions, which integrate the vehicle and its fire system with components designed and manufactured by SIDES and the support throughout the product's life.



SIDES

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Key account manager

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SURYS



Surveillance

Alert system
Alert ManagementCommunication
systemsCommand,
coordination
& management

Detection

Global reference in the field of security, SURYS offers a meticulously crafted range of innovative optical and digital solutions to authenticate, track & trace documents and products in four different markets: Identity, Banknotes, Vehicles and Brands & Products. SURYS has more than 30 years' experience in holography and is certified CWA/ Intergraf Governmental class.



EMERGENCY POPULATION MANAGEMENT SOLUTIONS

AUTHENTISCAN™: CONTROL & AUTHENTICATE

Emergencies require the rapid implementation and deployment of effective security infrastructures. SURYS offers a technological solution that allows automated and fast authentication of identity documents presented to security forces in emergency situations. Easy to use, this tool allows the verification of a large number of national and international identity documents in circulation. It allows the authentication of documents in multiple contexts, for various needs. Available in a mobile or fixed version, it allows immediate verification and generates a result in a few seconds. Functionalities such as facial recognition or data storage can be added to the device.

PHOTOMETRIX™: SECURE, CONTROL, AUTHENTICATE

In emergency situations the security forces must be able to provide reliable and immediate responses to protect people. For many reasons, the latter may be required to generate means of identification for the various stakeholders on the ground (refugees, disaster victims, intervention forces, etc...). The innovative nature of the Photometrix™ solution lies in the fact that it allows the deployment of a simple infrastructure without any software support, through a simple tool (smartphone), allowing the creation of a unique identifier (2D code) which can be deployed in the form of a physical or digital ID in accordance with the needs. This code includes the proof of the photo as well as, additional personal information about the individual, allowing him to prove his identity and access the places or services to which he has access. Moreover, the control of this means of identification can easily be carried out without having the need for a connection or a database by simple and accessible tools such as smartphones devices.

SURYS

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Surveillance

Alert system
Alert ManagementCommand,
coordination
& managementHealth care
ressources
Support for first
responders

NEXT-GEN PERSONAL 3D-POSITIONING SOLUTION, WITH NO INFRASTRUCTURE

HIGH IMPACT FOR YOUR OPERATIONS, NO CONSTRAINTS

- Enhance the visibility of your operations.
- Increase safety by reducing time-to-rescue.
- Operate in all environments with one technology.
- Coordinate the activities of all your agents.
- Replay the trajectories to gain further insights.

ONE TECHNOLOGY, MULTIPLE APPLICATIONS

Our core magneto-inertial technology provides high precision for multiple use cases, as our solutions are highly adaptable and can be tailored to the customers' specific needs, communication infrastructures already in place, general architecture...

Some of our major applications:

- First Responders;
- Soldiers;
- Lone Workers;
- Security Guards.

CUTTING-EDGE FUNCTIONALITIES

Our R&D teams, composed of 30 engineers and doctors specialised in navigation, are constantly looking for new and innovative functionalities.

- Real-Time 3D Positioning.
- Precise Geo-Fencing.
- « Fallen-Man » functionality.
- Orientation information.
- Unlimited number of device.
- ...

SYSNAV

SYSNAV introduces Personal Location solutions for GPS-denied environments that require no further infrastructure to install nor maintain.

Based on SYSNAV's multi-patented magneto-inertial technology and cutting-edge algorithms, our devices are able to provide real-time 3D positioning with a sub-metric precision, both indoor and outdoor!

Our objective: to bring safety through positioning to the next level.



sysnav

SYSNAV
Juan LONDONO
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27200 Vernon - France

THALES

Thales security expertise helps to keep people safe in emergency situations. From large-scale event management to crisis management, Thales solutions provide civil defence and security services with the collaborative tools they need to manage information, make decisions and coordinate resources.



Alert system
Alert Management



Communication
systems



Command,
coordination
& management

A NEW DIGITAL SECURITY PLATFORM FOR EMERGENCY SITUATION MANAGEMENT

Today, the government agencies responsible for public safety and security face an upsurge in the number of crimes, accidents, natural disasters and crisis situations. They also need to process and analyse an ever-growing volume of diverse multimedia information and intelligence data gathered on the ground, which requires a suitably designed solution. To meet these requirements, Thales has developed a new digital security platform, which processes data from thousands of surveillance sensors in real time to make security systems smarter, more agile and more automated, while ensuring they're always at the forefront of the latest technological advances.

The platform helps anticipate incidents and resolve issues quickly and efficiently so that organisers and security personnel can focus on the tasks where human expertise and judgement are the most critical. With the Thales digital security platform, security stakeholders share information on a need-to-know basis and retain full responsibility for their respective roles and functions.

The Thales platform is a key enabler of next-generation solutions for operators in charge of urban security, sensitive site security and large-scale event security. It can be deployed at a national or regional operations centre or on-site in a mobile command vehicle. The platform gives commanders clear, real-time situational awareness and minimises the time they spend on the system to analyse and understand the information and intelligence data from the ground.

A PARTNER OF CHOICE FOR CBRNE SOLUTIONS

From nerve agents to dirty bombs and explosive devices, CBRNE weapons could wreak havoc in urban areas, with a potentially devastating impact on human life and the environment. The emergency services are well aware of the dangers.

Thales's CBRNE solutions help ensure the situation is kept under control at all times, from managing victims during triage to organising decontamination and evacuation operations, optimising the supply chain for spare parts and consumables, or monitoring compliance with waste management procedures.

SOLUTIONS ALREADY DEPLOYED

Thales solutions support governments, states and civil defence authorities as they manage emergency, crisis and disaster situations. They help civil defence and security services operate more efficiently and meet the full spectrum of requirements, from forward planning to coordination of operational responses.



THALES

THALES

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TOUTENKAMION GROUP

TOUTENKAMION GROUP, A KEY MANUFACTURER FOR ALL YOUR MOBILITY PROJECTS

DESIGN CAPACITIES, TECHNOLOGIES, TAILOR-MADE

Toutenkamion Group is a French group in full expansion with a turnover of 24 M€, and a workforce of 230 employees. It's **the European leader in design, manufacturing and transformation of truck cabs, mobile units and shelters.**

With our means, our know-how and our experience, **we support you from the study to the homologation/qualification of your solution.**

Thanks to our design capabilities and the variety of technologies we master, **we cover a wide range of operational applications.**

The aluminum or polyester composite technologies we use for our large size panels, combined with adhesive bonding or continuous welding assembly processes, ensure the **operational efficiency, light weight, strength and durability of our products.**

WIDE RANGE OF ADEQUATE MOBILITY SOLUTIONS

- According to your needs, we offer our **mobile units** in **several formats**: carrier, semi-trailer, shelter, extensible or not.
 - **Command Post**, allows to be operational as close as possible to the crisis centre in order to control risk management.
 - **Advanced Medical Station**, allows to establish the first diagnoses of the victims on the scene of the disaster and to sort them according to their condition.
 - **Personal Reconditioning Vehicle**, allows to respond to the well-being of the attack teams during stressful interventions.
 - **Mobile laboratory**, allows the analysis of different substances on site.
- With A.M.A Dépollution, we have designed a **mobile cell for water quality intervention.**
- In partnership with most manufacturers of fire-fighting vehicles, we are working on the **suitability of the cabin for the specific needs of the emergency services: protection** of personnel thanks to approved roll bars, **reception of the entire team** by increasing the number of seats and enlarging the cabin, modification of the cabin to adapt it to the **on-board equipment...**

Security forces, rescue services and private operators must optimize their mobility to deal with emergency situations: transport, safety, health and comfort of personnel in operation, mobile units as close as possible to the theatre of operations, ultra-fast deployment times, severe environmental constraints, autonomy. Our achievements grant innovative and quality solutions to answer these requirements.



TPL SYSTÈMES



Communication
systems

TPL Systèmes main objective, in France and abroad, is to provide its customers with innovative solutions which will meet all the requirements they might have in their daily work.

SPECIALIZED IN RADIOCOMMUNICATION SINCE ITS CREATION IN 1989

A PRESENCE IN FRANCE AND INTERNATIONAL

TPL Systèmes has established itself as a leader in the radiocommunication equipment and solutions sector, and has acquired solid experience over the years.

Our products allow **TPL Systèmes** to be present in a growing number of export markets, with a solid distribution network in Europe and outside Europe.

Based in Sarlat (head office) and Toulouse, **TPL Systèmes** has 70 employees.

CREATE, DEVELOP, MANUFACTURE, DISTRIBUTE, MAINTAIN

This position among the leaders was built due to the distribution of ANTARES products as well as the **production, marketing** and **maintaining** our specific product ranges such as pagers and embedded equipment that are fully design and manufactured by TPL Systèmes.

TPL Systèmes has integrated a new division called **eDMR** which produces a wide range of radiocommunication solutions based on **eDMR technology** (equipment, systems and networks).

TPL Systèmes has built a large partnership network around the world which partners distributes our product range in more than 30 countries in all continents, and dedicated to fire brigades and ambulance services, electrical companies, armed forces...

Research and development represent a large part of our activity with 24 development engineers. Constantly evolving, our range of devices systems and software is the result of massive investments in R&D.

We participate in users work groups in order to better understand their needs, and have included many of the stages in the manufacturing of our products in a quality approach. Several **TPL Systèmes'** products have obtained **NF Civil Security certification**.



TPL 
Systèmes de communication

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DESIGNER OF DIGITAL INVESTIGATION & DNA LABS

DIGITAL INVESTIGATION LABORATORY

From this trusted partnership emerged, among other, the mobile laboratory concept - mobil'IT®- which responds to a growing operational need of cyber investigators.

mobil'IT® is a powerful, fully mobile and autonomous digital investigation laboratory which drastically accelerates field investigations with specialized, ergonomic and powerful equipment.

DNA RESEARCH LABORATORY

Due to its strong experience in the conception and the production of a range of mobiles laboratories, TRACIP has been awarded the exclusivity to produce and market worldwide a DNA mobile laboratory, result of the know-how of the Forensic Research Institute of the National Gendarmerie (IRCGN™) and approved in France by the DNA National Committee (ISO CEI 17025).

The patented innovation that led to the creation of this laboratory offers researchers the opportunity to analyze DNA traces in 2 hours for the first 21 samples, directly on site, when one day is usually required, all of this with 24 markers extracted simultaneously. The analysis is even accelerated on the following analyzes, as 21 profiles emerged every 30 minutes thereafter.

Benefits of mobil'DNA:

- Drastically accelerates the process of quantifying and identifying victims in the event of a disaster;
- Allows rapid delivery of the DNA profile of a suspicious person or victim;
- Significantly limits the risk of contamination when handling seals;
- Important savings with a cost per analysis significantly reduced.

TRACIP

TRACIP is the primary partner of government agencies in the field of Police, Defense and Justice in their fight against cybercrime.

Its know-how in the making of digital investigation and recovery of sensitive data laboratories enabled TRACIP to provide turnkey solutions including audit, equipment, training and support to federal agencies.



57



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UTILIS



Mobility

Health care
ressources
Support for first
respondersHealth risk
management

With 20 years of experience, UTILIS is specialized in developing solutions with unequaled speed of deployment.

We are one of the world leaders in the supply of tactical, semi-permanent and permanent solutions for camps. UTILIS is also recognized for its skills in the field of decontamination and isolation of people under positive or negative pressure.

DESIGNER AND DEVELOPER OF TENTS, DECONTAMINATION AND ISOLATION SYSTEM

INNOVATION, RELIABILITY, REACTIVITY

UTILIS was created in April 1997.

Initially focused on the sale of quick-erect tactical tents, UTILIS has, to meet the needs of its customers in the aftermath of the attacks of September 11, 2001, upgraded its tents to provide them with decontamination capacity. In parallel, the company has developed real know-how in the supply of field hospitals.

Customers quickly expressed their wish to reduce the time taken to implement the decontamination chains. UTILIS therefore sought to modernize and automate its decontamination system. This project gave birth to the cradle of decontamination and a few years later, to the DECONCUBE.

To complete these systems USE has to develop solutions of insulation in positive or negative pressure. USE equips 31 countries around the world.

OUR PRODUCTS ARE COMPLEMENTARY

- Tactical quick-erect tents from the TM-TMS-TL-TXL range.
- Camp and base living with their environment (lighting, air conditioning, heating, sanitary,...)
- Quick assembly hangar with only human power.
- Field hospitals from the dispensary to ROLE 2 E.
- Decontamination systems in tents or cradles 20 feet or containers 10 feet.
- Collective protection system (COLPRO) in positive pressure against the NRBC risk.
- Negative pressure isolation chamber.



UTILIS SAS
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The French land defence and security
industry association

GICAT, a professional group, created in 1978, has over 270 subscribers, corporations, midmarket companies, SMEs and startups. These members cover a wide range of industrial, research, service and consulting activities for military and civil organizations, of national or international scope, involved in land and/or airland security and/or defence.

The international ambitions of GICAT are reflected in its international exhibitions, EUROSATORY in France, Expodefensa in Colombia, ShieldAfrica in Ivory Coast, and Platinum Security Exhibition in Monaco, organised by its subsidiary, COGES, and a certain number of other defence and/or security exhibitions overseas.



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