



SECURITY
INTELLIGENCE
DEFENSE

SECURITY SOLUTIONS

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- CCTV City Security: 360° Video Surveillance, Access Control, Road Safety, etc.
- Area Protection : Buildings, Ports, Airports, Oil Gas Platform and Pipeline
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- Medical: Exoskeleton, Remote Monitoring, Telemedicine, Mobile Hospital

CCTV URBAN SECURITY

- **Oculus 360** - 360 degree video surveillance by means of high resolution television shooting systems, day night with image recording and analysis and with customizable alarms.
- **Road Safety Division**
Access control and Monitoring and recognition of vehicles and number plates
VS23 - Automatic and real-time detection of violations to the CdS.
Intelligent control of public lighting
- **3D - 360 ° Urban monitoring for drone traffic**

OCULUS 360 - 360 DEGREE VIDEO SURVEILLANCE

Innovation technology

The project is simple and revolutionary at the same time: reinventing the concept of how to use video content, both using an internet platform and through digital satellite television and DTV channels. All with a 360 ° viewing angle.

Thanks to this innovative technology it is possible to observe events in real time remotely without losing any detail.



URBAN MONITORING

It is based on an integrated mobile surveillance system. The images are transmitted to the operational centers simultaneously by helicopters, UAVs, mobile vehicles, people on foot and from parked vehicles.

In particular, the operations room receives and transmits audio-video information and data acquired with various technological devices to interested users.

All of these integrated mobile camera systems use an IP protocol over fixed and / or mobile networks. It is important to emphasize, as an added value, that the radio transmission systems are not interfered with by obstacles, but amplified by virtue of the high technology in question (for example in basements or in the subway)

For the control of specific urban, railway, airport and port areas, behavioral analysis software is also often integrated.



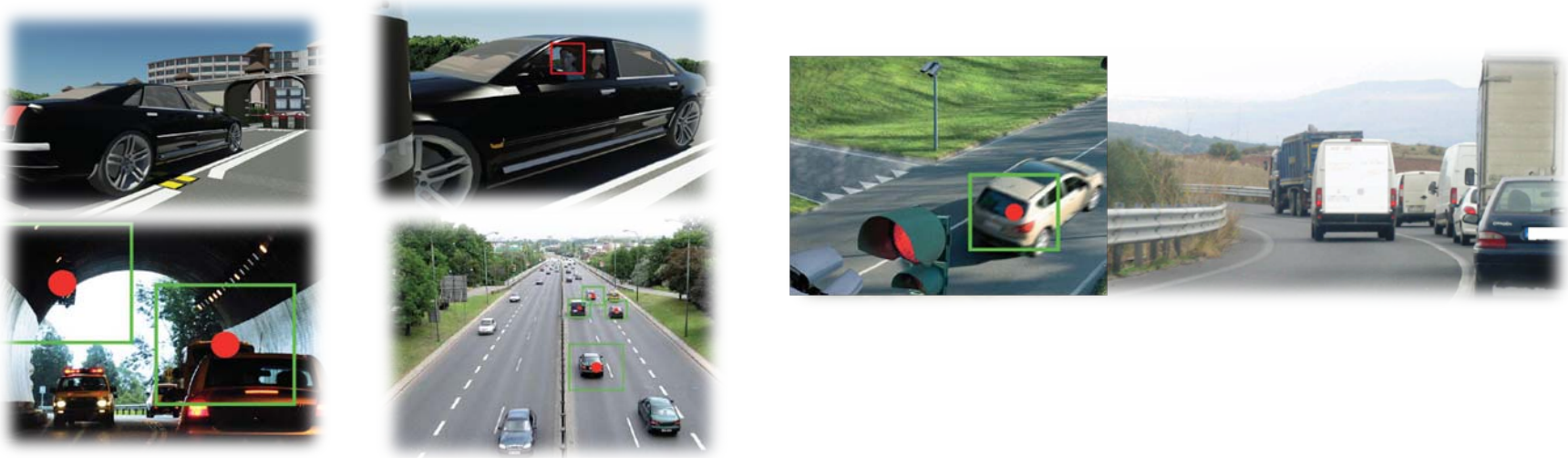
ROAD SAFETY DIVISION

Access control - Vehicle monitoring and recognition

It is a software platform that allows you to extract the operational dynamics of the video stream automatically and in real time, thus allowing an intelligent analysis of the scene.

Automatic and real-time detection

Image analysis software (self-produced) that can be customized for identifying violations of the Highway Code and municipal regulations, the system also allows you to ascertain violations regarding the obligation of the RCA and periodic vehicle inspection.



INTEGRATED SOLUTIONS FOR TRAFFIC

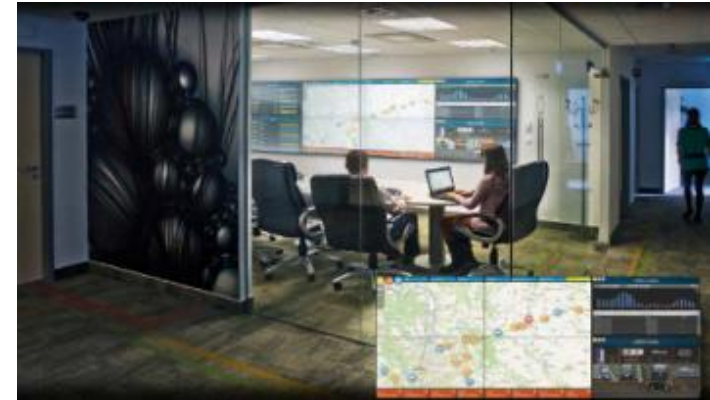


It detects important data on urban and extra-urban vehicular flow, in order to optimize traffic control and allow rapid intervention for the removal of obstacles to it. It is in line with the new Smart City philosophy.

The system, in addition to automatically detecting any type of plate in motion, allows, according to the evolution of the vehicular flow, to predict, on the basis of the numbers and types of vehicles in transit, probable, next saturations of the road axis.

In addition, it is also possible to ascertain some of the most common infringements of the Highway Code, such as inadequate speed, violation of light signals at the intersection, crossing of solid white lines, illegal use of emergency lanes or lanes reserved for public transport ...

DATA SERVER MANAGEMENT



It is an advanced data server capable of collecting millions of information acquired daily from different detection points in order to make them available for various applications on a statistical basis. It comes with a dedicated graphical user interface (GUI), where operators can view and manage the desired statistical processes.

PLATE READING OF MOVING VEHICLES

MicroCam on board of the vehicle



THE NEW MICROCAM LPR CAMERA SERIES performs license plate recognition on the go - with the same quality as a high-end ANPR camera in a fixed location. The video management algorithm allows you to create an event for each vehicle that crosses the camera's field of view.

Portable Speed Cam

SpeedCAM is the combination of a license plate recognition camera and a certified speed measurement tool.

The system automatically exports the required data (such as license plate, speed, category, date and time, GPS coordinates and many others) in various customizable formats via an integrated 4G / LTE modem.

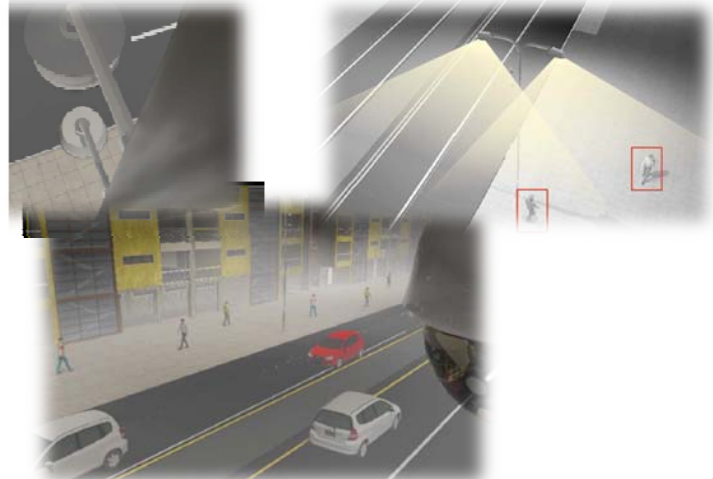


LIGHT : INTELLIGENT CONTROL OF PUBLIC LIGHTING

The goal of this solution is to optimize the activation of public lighting through the use of environmental brightness assessment systems in order to achieve concrete energy savings. The system consists of smart poles, photovoltaic systems and LED systems.

The system also allows powering surveillance cameras, realizing further energy savings.

180 ° installation IP camera and DOME camera on fixed lampposts



ANTI-DRONE 3D-360° SYSTEMS FOR URBAN ENVIRONMENT

Mini-Radar Net Systems:

Urban air environment monitoring systems to detect and track UAVs, creating a network of mini-radars that communicate with each other for continuous target tracking.

The system has the ability to identify friendly and enemy drones with the ability to block GPS, cellular and video transmissions.

EDD50 – Drones detector



It is a system that detects the presence of a drone or swarm, analyzing the signaling channel and the radio transmission of the target and automatically activates (optional) a Jamming system that deactivates the drone or swarm, blocking the GPS signal, communication with the operator and the video signal from the drone or swarm.



EDD40 3D-360° Mini-Radar



This 3D radar mode allows full 360 ° continuous coverage in azimuth and up to $\pm 45^\circ$ above and below the horizon and provides 3D target geolocation.

SAFE-SKY SOLUTION

A standalone end-to-end solution that detects the communication links of unknown commercial drones and safely lands them in a designated area.

Designed for:

Urban environments

- Non-jamming
- Non-kinetic
- No direct line of sight



Safe zone

SECURE-SKY



* No side effects to friendly communication

SECURE-SKY - PRESENTATION



Multiple distribution options

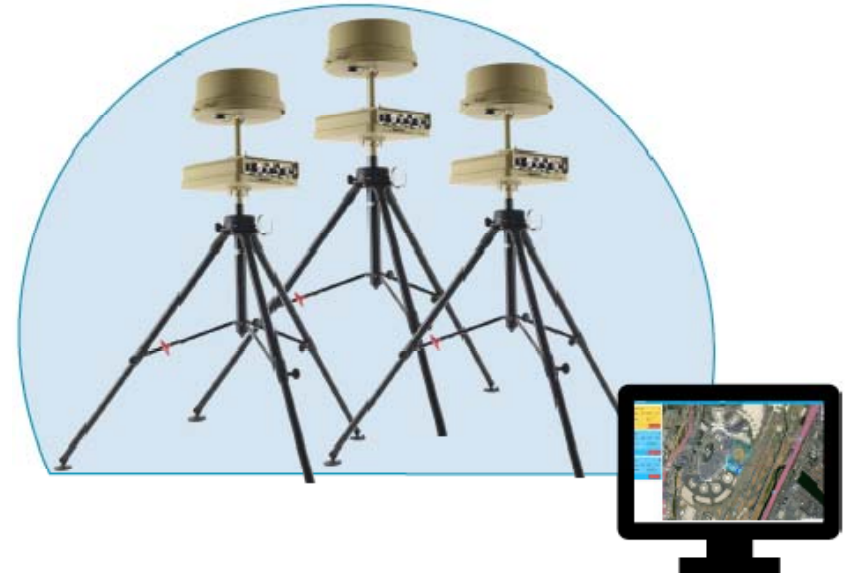
Single-Sensor

Ad-hoc / fixed



Multi-sensors

Single command and control, scalable topology



Software available for integration and customization for command and control

AREA PROTECTION

The proposed integrated solution allows the protection of: buildings, ports, airports, oil pipelines, offshore platforms, urban and / or areas of interest.

- 360 ° camera with integrated radar
- Surveillance for control of 8000 square meters
- Explosives and drug detectors, sniffers,
- Remote explosive detection
- Under vehicle inspection and license plate recognition
- Remote image and behavioral analysis software
- Scanning of identity documents
- Smart pedestrian recognition solution
- Access control of sensitive areas
- Automatic reading of container codes
- Helmet with camera for human body temperature detection
- Mobile and fixed X-Ray made by Italian companies
- X-Ray for civil and military aircraft
- Mobil-Scan - system for viewing the interior of vehicles
- Train Smart Scanner
- Long range radar
- Building automation management systems
- Command and control operations room
- Medium Range Defense - EO / IR / LRF / RST
- Area and border protection
- Perimeter protection system
- Marine anti-intrusion and marine data collection and detection platform
- Antidrone Shahine

360 ° CAMERA WITH INTEGRATED RADAR

Enables low cost perimeter surveillance of large areas, with a minimum radius of 200m and 400m in diameter.

The system, which combines the camera with an integrated radar, allows to detect and locate moving vehicles and / or people in any weather condition, by scanning the affected area at 360 ° with a frequency of once per second , simultaneously tracking the movements of all detected targets.

This integration allows to acquire targets even when the camera is oriented towards a different sector.

It is possible to integrate the functionality of an antidrone.



SURVEILLANCE FOR CONTROL OF 8000 SQM (STADIUMS OR OTHER LARGE REALITIES)

Special video camera

Multifocal sensor system, 190MP resolution, day / night

The patented Multifocal Sensor System is a completely new camera technology specially developed for wide video surveillance of large areas. Huge expanses and areas are captured in a whole new resolution quality in real time.

Other characteristics

- Multifocal sensor system with 8 sensors
- Effective resolution 190, 184 or 78 megapixels (MPe)
- Horizontal field of view of 30 °, 45 ° or 75 °
- Excellent light sensitivity <0.05 lux
- 3D digital noise reduction (3D-DNR)
- Functions for data protection and security (GDPR compliant)
- Weatherproof housing (IP66) with integrated heating

Advantages

- Maximum resolution possible at all distances
- Low installation and maintenance costs
- Real-time imaging up to 30 fps
- Scalable resolution
- Tracking of objects over large distances
- Identification of individuals up to 200 m
- 1 video camera capable of covering a total area of over 8,000 m² at high resolution
- Replaces many single camera installations
- Automatic pixelization of moving objects in the software





Identification of
explosives



Portable
sniffers

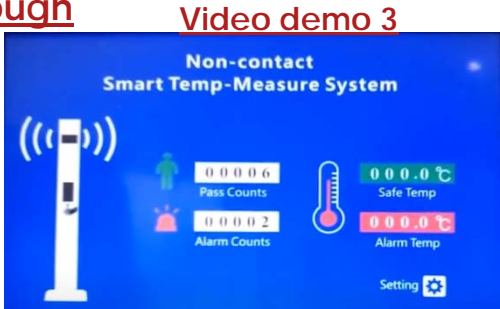


X-ray system for checking packages, people
and luggage

Video demo explosives detection



[Video demo 1 - Smart Walk-through with temperature control](#)



Metal detector with body temperature detection even portable



Control of liquid containers

[Video demo](#)



Detector of metals and explosives inside the shoes



Cross-Enhanced Z, Multi-energy pack backscatter

[Video demo](#)

[Video demo -Two-way X-ray baggage scanner](#)



A new type of fast micro-dose shoe screening device specially developed to solve the shortcomings of the existing manual search inspection, especially the lack of effective means for the foot. The device has a wide inspection range, can effectively detect explosives, firearms, knives, drugs, contraband and other contraband material hidden under and inside the shoes.



[Video demo 2 - Non-contact temperature control](#)

REMOTE PASSIVE DETECTION SYSTEM FOR METALS, EXPLOSIVE GELS AND DRUGS AND CERAMIC WEAPONS

Video demo

- People screening solution,
- Operating distance from 8m to 10m.

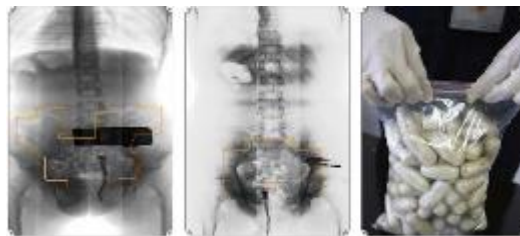
Currently it is the only system that can also be camouflaged on the market, which allows you to operate remotely, with registration, and sending data to an operations room.



TORSO SCANNER

It detects in real time and without medical assistance, the presence of drug eggs inside the human body.

- Lightweight, easily transportable, easy to use
- Transmission screening, sharp imaging, real-time recording.
- possibility to remotely control operations.
- safe for the safety of people as it has a dispersion dose rate lower than the industry standard of 2.5 pSv/h
- Detection speed: 10-25 seconds per screening



REMOTE IMAGE AND BEHAVIORAL ANALYSIS SOFTWARE

- Baggage check
- Abandonment of objects
- Control of restricted areas
- Access control
 - with facial recognition
 - and temperature detection
 - corporeal
- Baggage area control
- People aggregation detection
- Perimeter control
- Control of external areas
- Fire prevention with smoke detection

TRACKING LUGGAGE

The video information management service for tracing hold baggage allows you to track and monitor the entire process of managing each baggage, from the check-in phase to the physical moment of boarding the aircraft.



Identity document scanning process



An all-in-one ID verification terminal with integrated processing system that automatically and in real time produces authenticated full spectrum data without the use of a local PC or laptop.

It can also be accessed via smartphone and tablet by viewing results in real time, meaning that the reader is able to perform full spectrum authentication activities.

Ultra compact scanner for kiosk integration

Combo Scan is a fast ID and passport scanner, designed for automatic data acquisition.

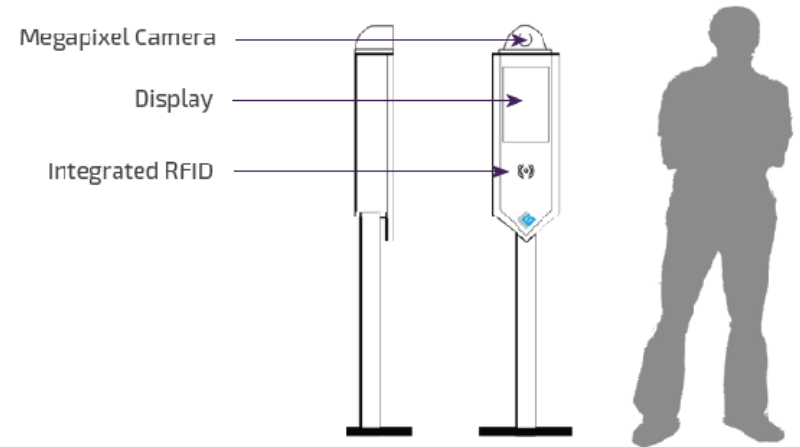
Particularly useful in the control of important flows of people in ports, airports, railway stations, stadiums etc.

Thanks to adaptive light control, this device can also work in environments with exposure to a direct light source.



INTELLIGENT PEDESTRIAN RECOGNITION SOLUTION

The Smart Pedestrian Recognition Solution (SPRS) uses real-time facial detection and traveler recognition to reduce waiting times, provide greater security and seamless travel, at border crossings and access on ships and trains and / o Port, airport and railway stations.



ACCESS CONTROL OF SENSITIVE AREAS

➤ Possibility of taking multiple images of the same vehicle in transit and of multiple vehicles with body control and storage of all related information.

➤ Ability to operate remotely with a remote control and send SMS text messages to cell phones and operations room.

➤ License plate recognition of accelerating vehicles (200KpH); 24 hours / 365 days operation and transmission of alarms to the control staff.



Detection of people inside vehicles (DOPIV)

Performs face detection in real time and recognition of all vehicle occupants (both in the front and rear seats) in various light and weather conditions.



AUTOMATIC READING OF CONTAINER CODES

The system is based on the use of cameras that automatically detect the identification code of the containers, a code that allows to detect the ownership, the contents etc ... This function allows a correct handling of the containers in the airport area and facilitates the duties of customs and border.

Key Features

- Automatic recognition
- Customizable self-made software
- Rapid horizontal and vertical recognition of codes even with two or three lines through the shooting of multiple images of the same container

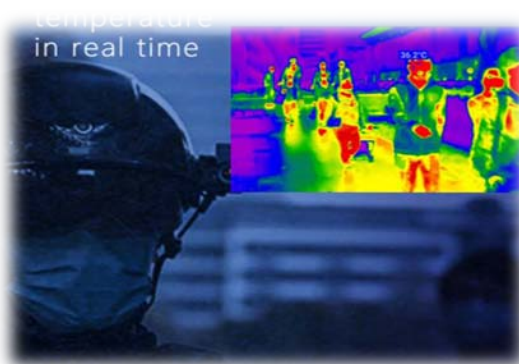
Typical application environments

- Automation of airport, port and railway logistics
- Border customs control management
- Continuous monitoring systems for container handling



HELMET FOR TEMPERATURE SENSING - FOR AIRPORTS, PORTS AND RAILWAY STATIONS

- Quick detection of internal, external and internal vehicle environments
- Automatic recording of body temperature in real time
- Rapid facial recognition with comparison with black list and identity verification reported
- - Temperature measurement mode even in crowded places
- Mode of matching the temperature measurement to a recognition element (plane ticket, document, badge, etc.) also QR
- License plate recognition method combined with temperature measurement on the travel ticket
- Possibility of data transmission to the operations room



MOBILE AND FIXED X-RAYS MADE BY ITALIAN COMPANIES

Automotive scanning system

Specifically, it is an X-ray scanner for checking vehicles, even when they are occupied, in order to identify the presence of hidden people and illicit material (weapons, explosives and drugs).



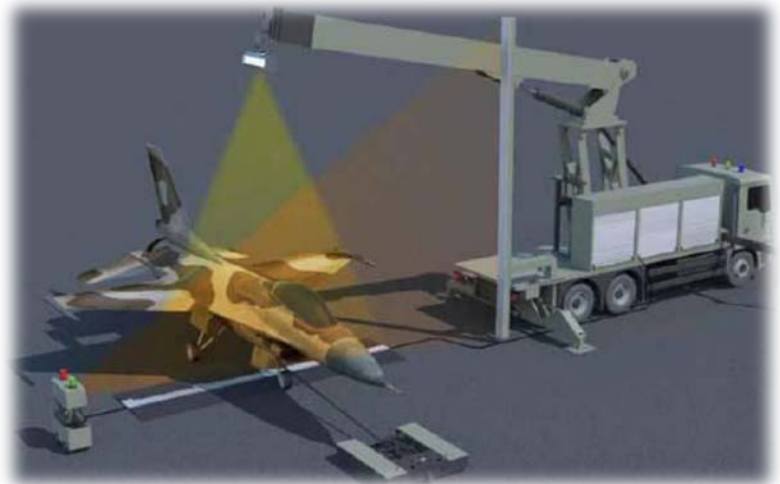
Industrial vehicle scanning system

It allows you to check industrial vehicles in order to identify the presence of hidden people and illicit goods, such as weapons, explosives and drugs.



X-RAY FOR CIVIL AND MILITARY AIRCRAFT

Innovative solution to scan the fuselage and wings of aircraft in a few minutes in order to identify any damage and cracks. At the same time, the system makes it possible to identify the presence of hidden persons or clandestine material.



MOBIL-SCAN - The system is installed on a mobile x-ray vehicle that allows you to view the interior of the vehicles in order to identify hidden people and / or illicit material.

It is based on backscatter technology and is widely used in the control of vehicles circulating at borders and in areas close to street demonstrations or along routes traveled by VIPs.

The rays emitted during the control phase by the System are not dangerous to the health of people who may be hidden inside the vehicle, as the irradiation is equal to one fiftieth of that detected during a normal dental ortho-panoramic.

FEATURES

- It does not undergo operational variations even in adverse weather situations (rain, heat, cold)
- mobile, small footprint, operational in minutes.
- Provides a full field of view for vehicles of all heights, including tires, and up to two tiers of stacked containers.
- Possibility of scanning even in motion at a speed not exceeding 10 km / h (6 mph)



Video demo

[\(click to open link\)](#)



SMART TRAIN SCANNER (STS)

The system allows you to automatically inspect the frame of the wagons of a railway train by comparing the high-resolution 3D image obtained from two cameras with a reference-type image, circling non-compliant parts and the presence of foreign bodies in red on the monitor.

Each car in the train clears the previous scan, the automatic foreign object detection software takes only 4 seconds to compare the subject's carriage with a reference image of the carriage (stored in the database) and display both of them on the screen. The system then immediately identifies any foreign objects or modifications to the frame, marking them with a red circle and activating an audio and / or visual alarm.

Technology

IDENTIFY the type of wagon: boxcar, refrigerated boxcar, flatcar, tanker, container carrier, gondola, hopper, central partition wagon, automatic transporter and more

DETECT any foreign object or frame modification

HIGHLIGHT these changes

ALERT personnel of any threats, all in seconds

Applications

- Permanent non-intrusive installations at:
- Passenger railway stations
- Loading / unloading points
- Passage bridges
- Border crossings



AREA PROTECTION by means of a LONG RANGE MULTISENSOR

- The system involves the use of cameras with laser technology for shooting up to a distance of over 25 km.
- The cameras used are interoperable and allow the management of multiple lenses.
- Used in conjunction with the controller and high resolution DVR, the system offers a fully integrated solution for effective multi-functional monitoring.

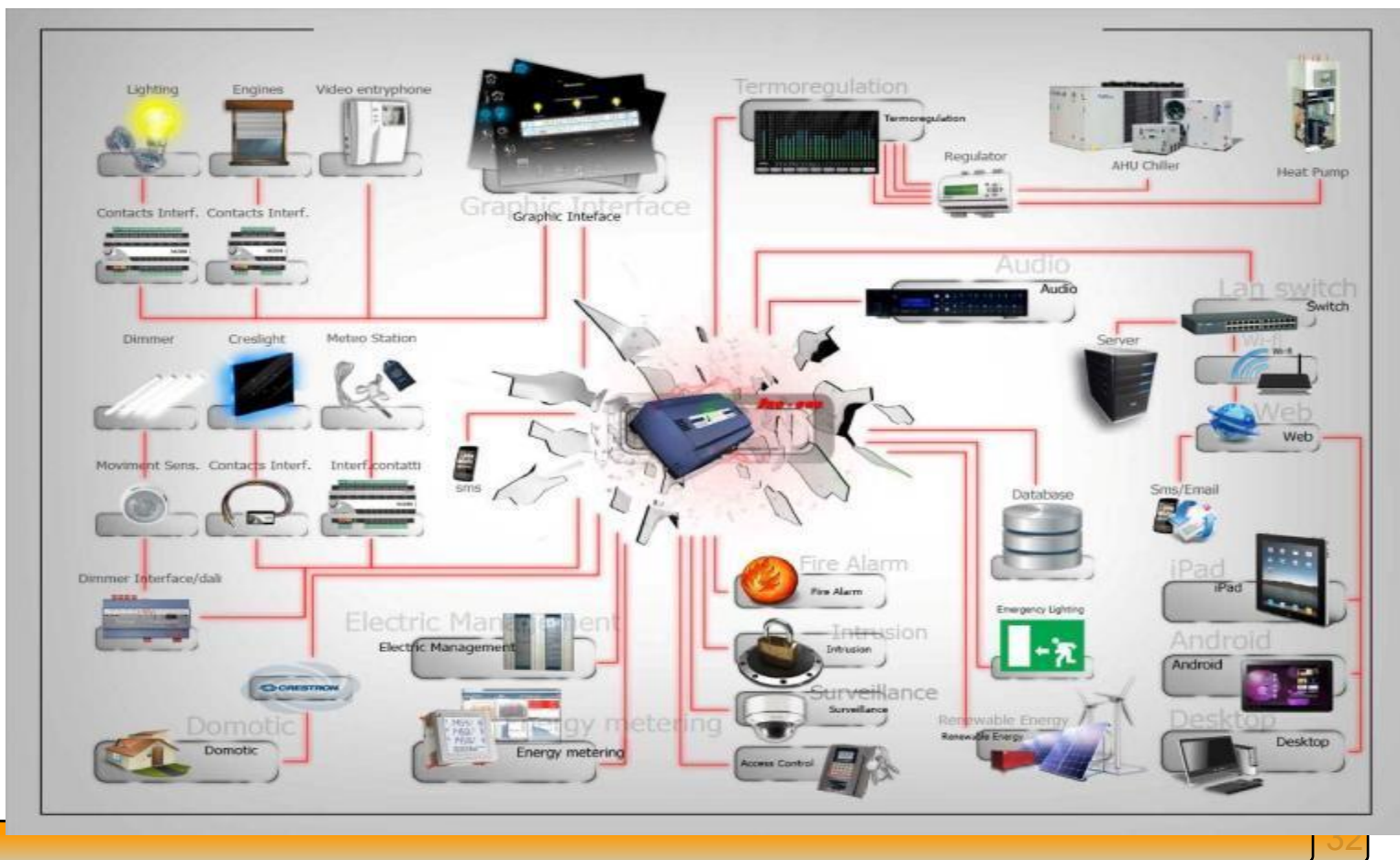


25 Km



HOME AUTOMATION MANAGEMENT SYSTEMS OF A BUILDING

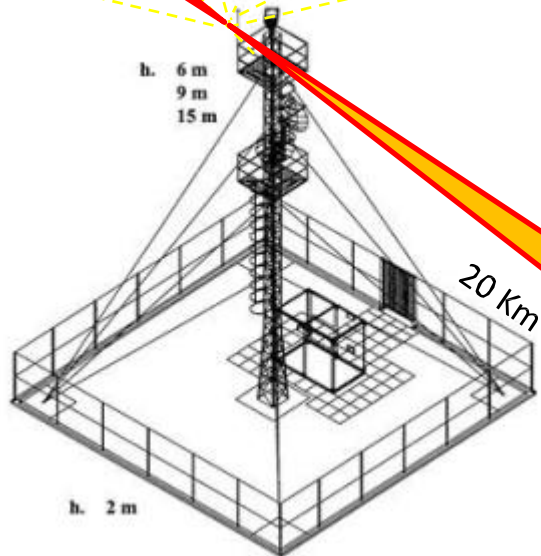
Centralized
management of
every single room,
For example, it will be
possible to view the
malfunction of the
single air
conditioning system
in the control unit



OPERATING AND CONTROL ROOM - CUSTOMIZED OPERATIVE CONSOLE FURNITURE AND MONITOR WALLS (VIDEOWALL)



MEDIUM RANGE DEFENSE- EO/IR/LRF/RST



The area control system uses cameras integrated with laser range finder, in order to identify targets and evaluate their distance. Integration with NBC radar (nuclear, biological and chemical) is possible

the system consists of an integrated platform tower, consisting of:

- Day / night camera.
- Thermal imaging camera.
- Laser Range Finder.
- Meteorological station
- NBC radar.
- Passive terrestrial radar.

AREAS AND BORDERS PROTECTION

The system involves the use of passive sensors produced by Italian companies that can be installed on any type of flooring, which record break-in attempts and memorize similar methods attempted in the last 6 months. Also valid for use in border control.

MAGNETIC SENSOR:

It detects changes in the magnetic field made by people or vehicles. Its operational capacity remains constant with any type of soil, or pavement, as long as the installation depth is correctly evaluated.

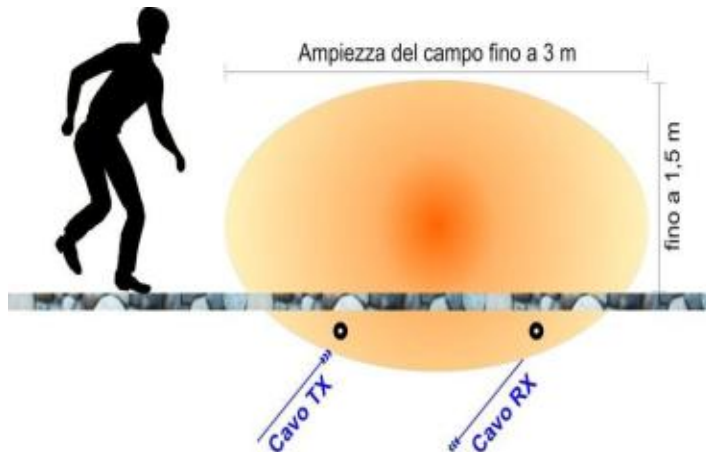
SEISMIC / ACOUSTIC SENSORS:

The use of seismic / acoustic sensors is irreplaceable in all circumstances where civil (urban environment) or natural (trees, bushes, etc.) obstacles make it difficult to have a clear visual range, limiting the response to potential threats at close range.

These sensors determine the location and distance of the potential threat.

Inside the sensor there is a seismic transducer, a signal processor, a transmission system.

The sensor is completely automatic and connected to a generator for an autonomous power supply therefore without possible interruptions.

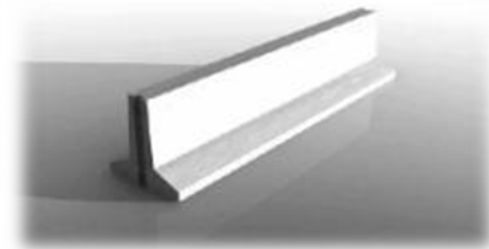
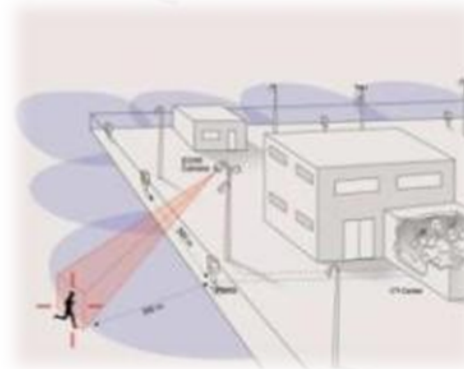
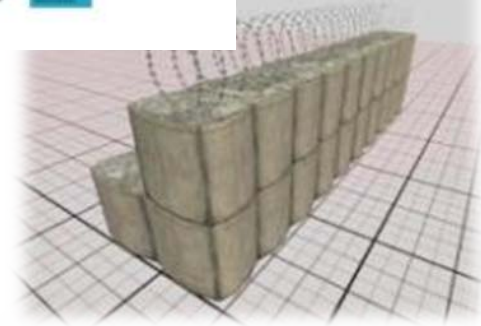


SECURITY SOLUTIONS FOR FENCES

THE PERIMETER DEFENSE SYSTEM USES THE TECHNOLOGICAL SOLUTION OF THE AUDIO CABLE, ADAPTED TO THE CHARACTERISTICS OF THE GROUND AND THE SITE

The solution involves the use of multiple video recording points, consisting of camouflaged poles installed along the perimeter, integrated by multiple technologies:

- High resolution zoom PTZ cameras.
- Short range thermal cameras.



PERIMETER PROTECTION SYSTEM FOR FENCES

Special pre-wired detector



Cutting detection, climbing on fences



Compatibility with any metal fence



Compatibility of CCTV systems



Immunity to environmental disturbances



Resistant to extreme temperatures and thermal variations



Very high detection capacity for high-risk sites, such as prisons



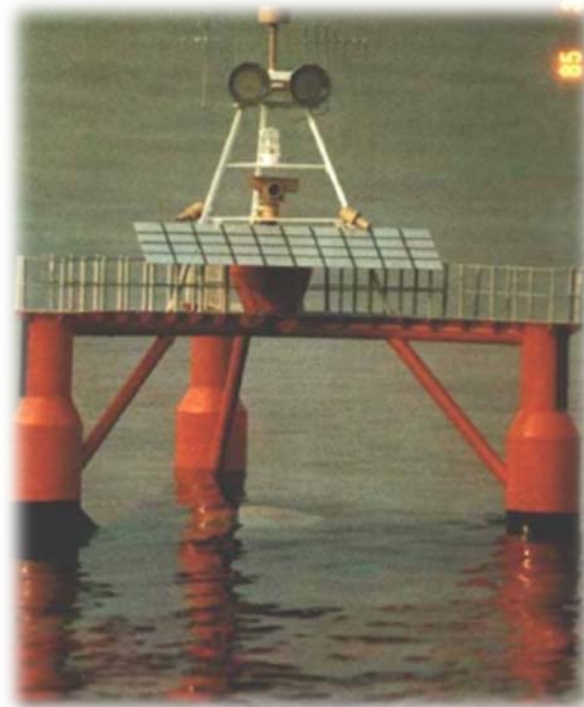
MARINE ANTI-INTRUSION PLATFORM AND FOR DETECTION AND COLLECTION OF MARINE DATA

The system involves the use of submarine buoys made by Italian companies, which integrate a marine radar with a television recording and satellite transmission system of images and alarms.

The range of the radar is 20 nautical miles (37 km), which can be integrated as required with a military and civil satellite communication system. They are equipped with pivoting infrared search cameras.

APPLICATIONS

- All maritime surveillance and control operations
- Combined floating system on several axes.
- Marine data collection and water monitoring
- Intrusion detection
- Control of maritime traffic



ANTIDRONE SHAHINE

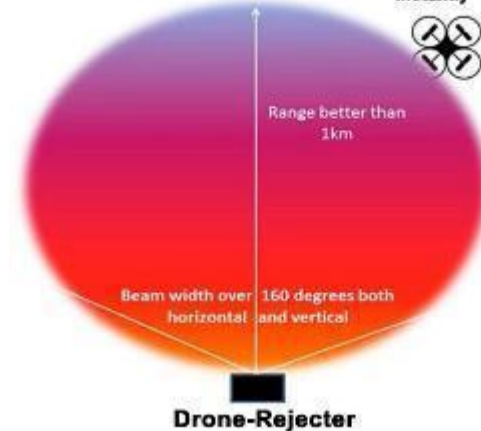
The system has various configurations: in a fixed or mobile location.

It finds particular application in the anti-drone protection of VIPs, buildings, vehicles and people in motion. Create an electronic dome with a radius of 1 km in height and a radius of 500 meters per side.

- The operating principle is to interfere with the control frequencies of the drone, or swarm of drones, approaching, forcing it to activate its safety protocol (go back).
- When the anti drone system is active, it is impenetrable by any drone that uses the 2.4GHz and 5.8GHz frequencies, without interfering with Wi-Fi and mobile telephony.
- The unit can be powered by a battery or a 12V DC power supply.

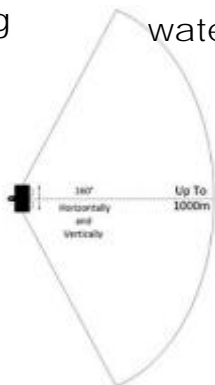
Video demo

When drone enters the Drone-Rejecter field its forced to return home instantly



The different Drone Shahine units

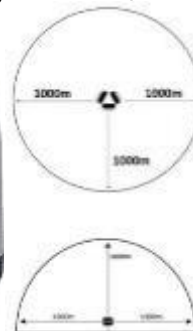
portable- 1,5 Kg



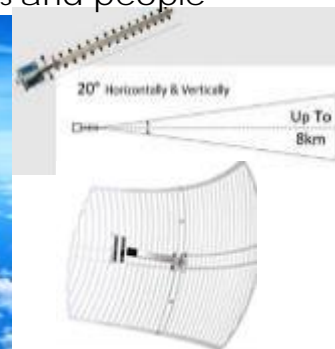
waterproof for VIPs on the go



fixed 360°



portable for vehicles and people



CYBER SECURITY

- Use hypothesis: government network - strategic companies
- Intel-Fra: Government network analysis system to detect attack attempts
- Oxi: File-based Malware Prevention Solutions

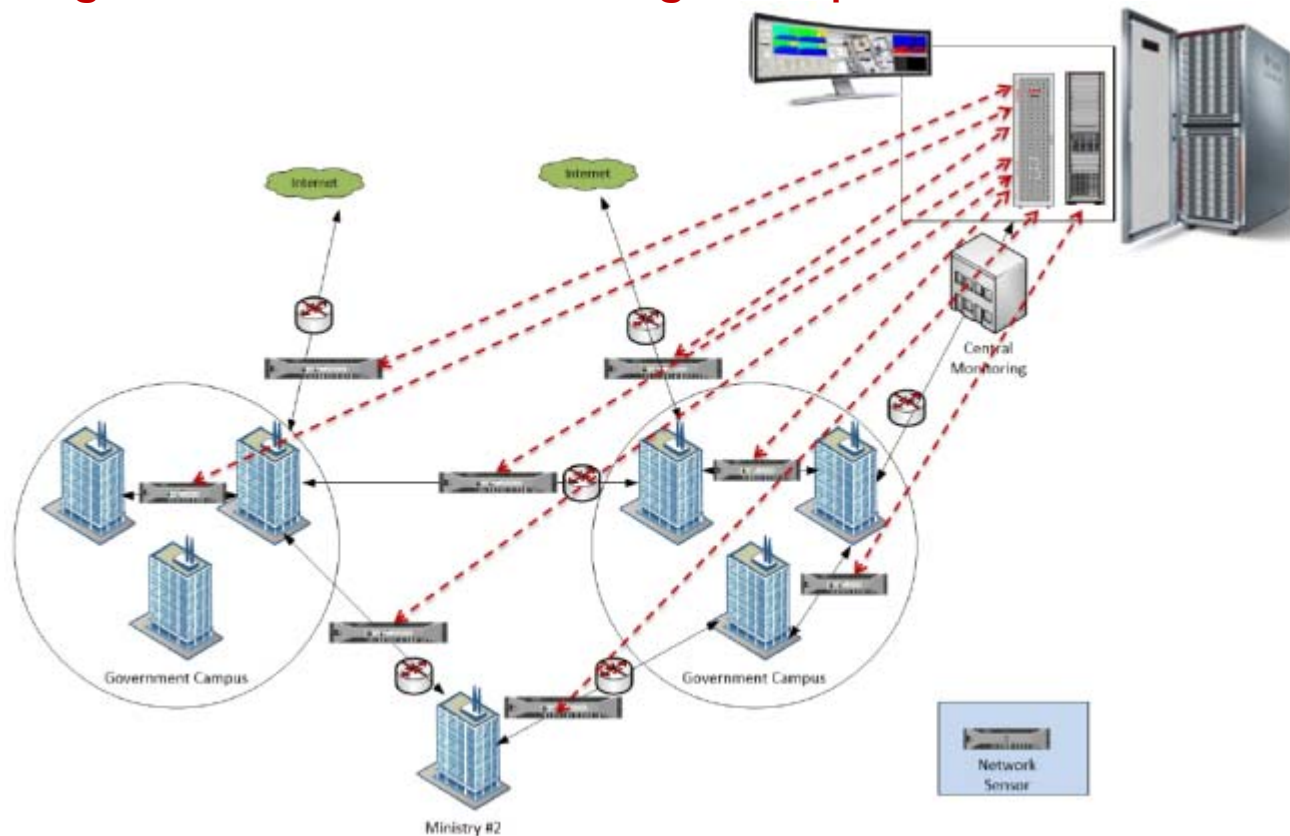
Use hypothesis: government network - strategic companies

Sources of cyber threats:

- Terrorist networks
- Industrial espionage
- Organized crime
- Hacker

The solution

Implement internal and external monitoring system and establish monitoring of intrusion attempts 24 hours a day,



Over 600 protocols and applications recognized by signature / behavior



INTEL-FRA

NETWORK ANALYSIS GOVERNMENT SYSTEM TO IDENTIFY ATTEMPTS TO ATTACK EXTERNAL AND INTERNAL

The Intelligence Framework (INTEL-FRA) is a powerful engine for information gathering and vulnerability assessment. It supports scanners, commercial open codes and custom, extensible forms with virtually limitless possibilities.

It performs automatic analysis of information systems, allowing the operator to obtain data in real time, including DNS, network, databases, web applications, social registers, commercial registers and financial registers.

All the information collected is unified through a reporting engine to obtain a structured report, also available in English and Spanish.

It is possible to create automated solutions that limit human error and that include signature, fuzzing and hacking technologies useful for intelligence evaluation.



Automated hacking



Machine learning

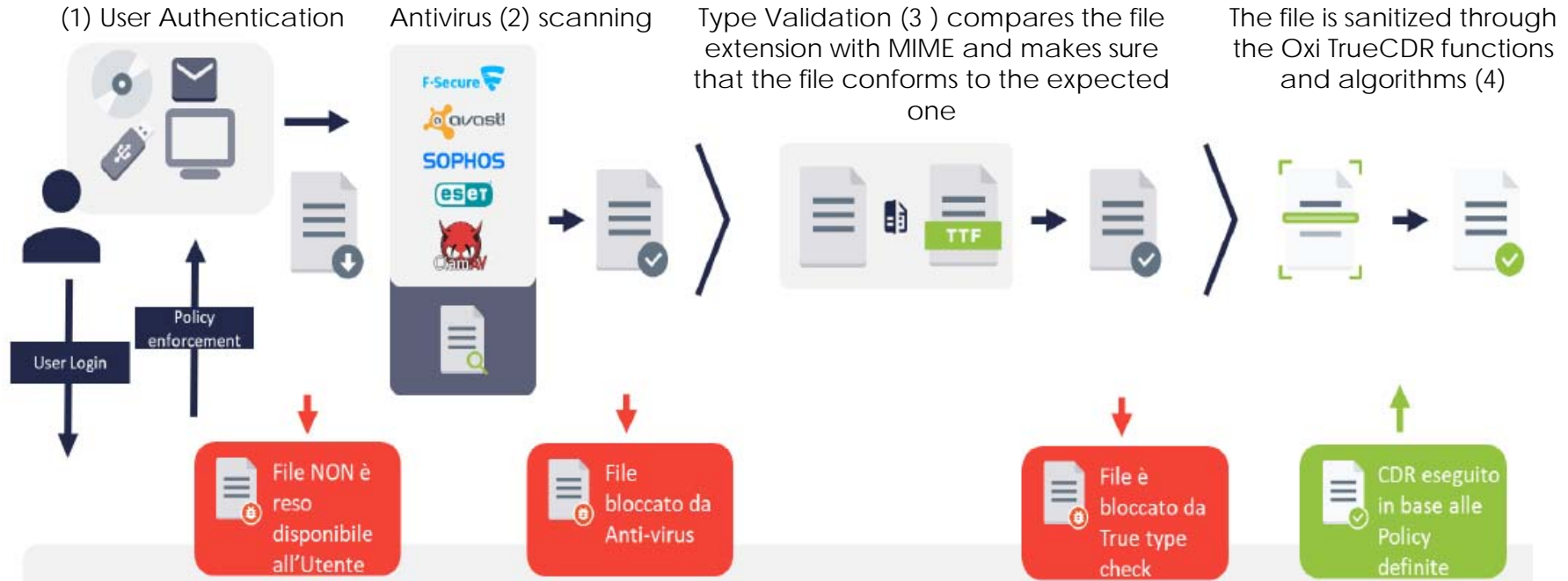


Automated validation



OXI FILE-BASED MALWARE PREVENTION SOLUTIONS

The Oxi Process: 4 lines of defense

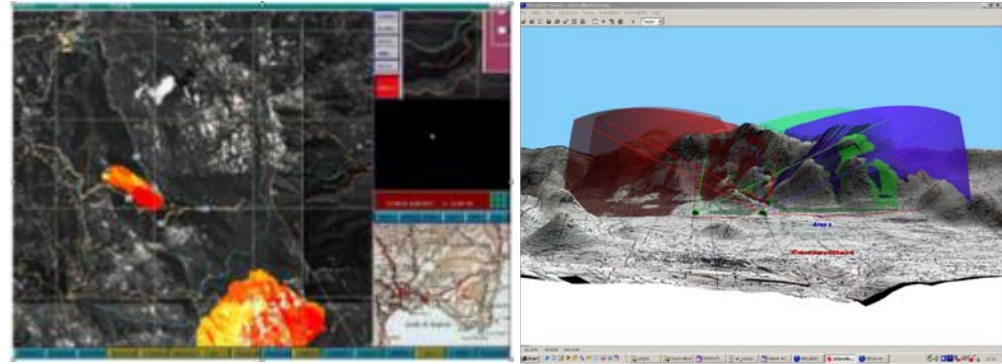
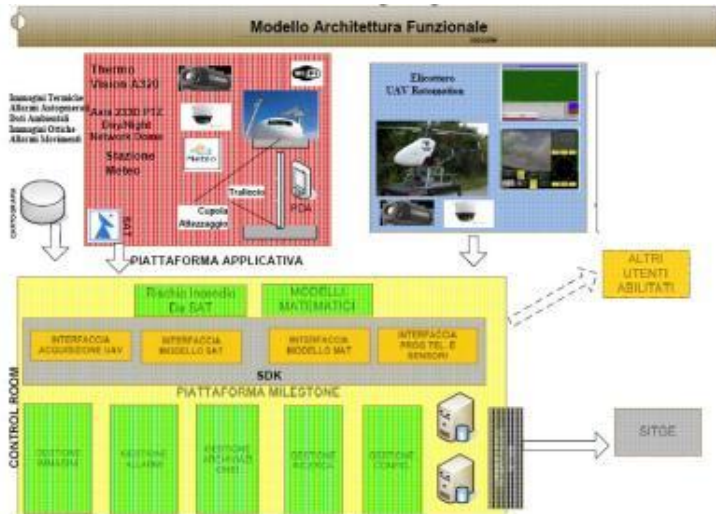


CIVIL PROTECTION

- Fire prevention
- Fire barrier
- Alternative communication system in the event of a disaster
- Phone, GPS and people locator detector

FIRE FIGHTING SOLUTIONS (SELF-PRODUCED)

Fire prevention through the use of algorithms, thermal cameras and terrestrial sensors and weather stations, with an advance forecast of at least 2 hours of the possibility of a fire occurring..



Fire fighting solutions
The cartography consists of three-dimensional 3D maps with the visualization of the processing of data from the sensors.

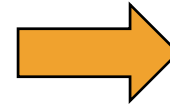


BARRIER AGAINST FIRE

The barrier is represented by a non-toxic retardant liquid, which prevents the spread of a fire. It is very effective in the protection of inhabited centers, forest areas and sensitive sites.



Effective
barrier for the
advancement
of the fire



[Video demo](#)



ALTERNATIVE COMMUNICATION SYSTEM IN THE PRESENCE OF DISASTERS

Rapid communication system in calamitous situations, in the absence of other communication possibilities. It is possible to restore the connection between operators and operations center,

The system provides the ability to quickly deploy an independent mobile phone network and locate survivors with the ability to communicate with them.

Georadar system creates detailed profiles of the subsoil by means of a broadband radio pulse.

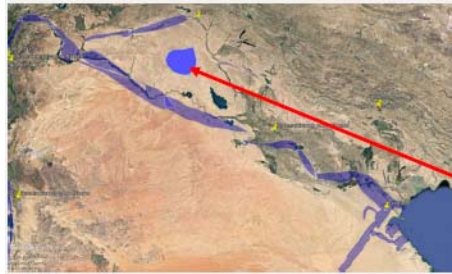


SCAN TECHNOLOGY „GEOSCAN“

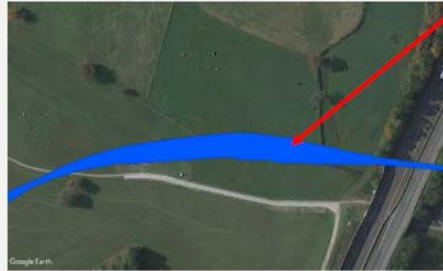
Scans 6 km underground for:

- Natural resources such as Water, Oil, Gas
- Gold, Silver, Platinum, Diamonds, precious stones
- Historical findings and geochemical anomalies

Research for gold and diamonds in Camerun



Water

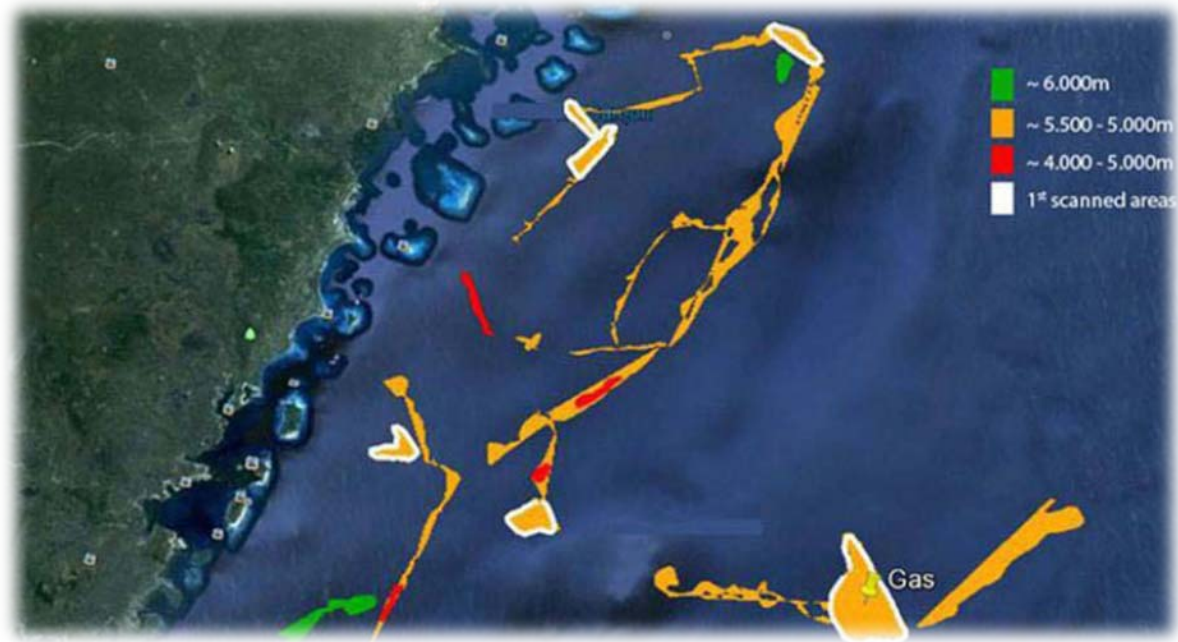


Oil



SCAN TECHNOLOGY „GEOSCAN“

While other systems, such as ground penetrating radar, allow us to "see" only a few meters below the surface, with GEOSCAN we can **detect anomalies up to a depth of 6 km**, using its proprietary processing techniques.



PHONE, GPS AND LOCALIZATION OF PEOPLE DETECTOR

The system allows you to locate people buried in rubble or avalanches through the identification of mobile phones even if they only allow emergency calls



SPECIAL FORCES

- Sniper Management System
- Detection of IED improvised explosive devices
- Chemical, biological, nuclear and radioactive systems NBCR
- VIP protection

SNIPER MANAGEMENT SYSTEM

The system allows the head of the sniper team at the station to see the same images that appear to the operator through the rifle's telescope, in order to assess the real situation and then to issue the appropriate coordination and operational arrangements for synchronized fire. .

The solution, which can be customized, records all the development of the action for a subsequent evaluation.



Video demo

EQUIPMENT FOR BOMB SQUADS

detection and deactivation of IEOD explosive devices



Video demo
EOD Robot



UAVS AND LAND VEHICLES WITHOUT PILOT

It is possible to create UAV and terrestrial systems with the possibility of remote management, also equipped with NBCR (nuclear biological, chemical and radioactive remote) detection sensors with variable alarm threshold and data management systems.

Sanitization and decontamination of the vehicle used is possible.



[Video demo 1](#)



[Video demo 2](#)

UAV (VEHICLES WITHOUT PILOT) WITH FIXED AND ROTATING WING



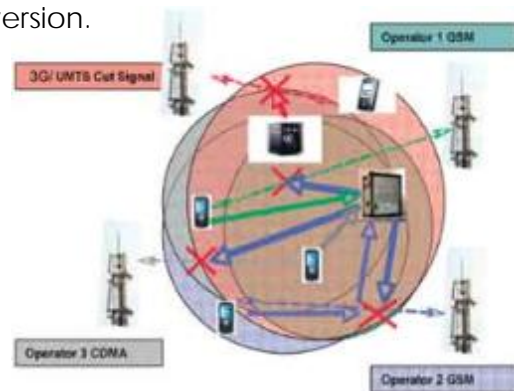
JAMMING SYSTEM FOR VIP CONVOYS



The anti-explosion system also operates in UHF and VHF frequencies. It finds application in the protection of VIPs, convoys and fixed installations. The system consists of reactive Jammers in a portable version carried on board a vehicle or motor vehicle, which allow communications to a white list of telephones, blocking all the rest, thus also inhibiting the remote activation of IED.



Reactive jammer systems that leave a white list of phones in activity and block all the rest that try to operate squares. It exists in mobile and fixed version.



MECO27 multi-channel electronic countermeasure unit

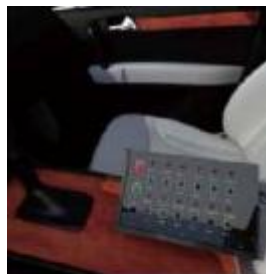
- Covers all GSM (2G), UMTS (3G) and LTE (4G) frequencies
- 2.4 Ghz WIFI and / or Bluetooth
- Transmits up to 6 channels simultaneously
- Adjustable power in antennas from -40 to +30dBm / channel
- All outputs are connected to a special antenna array installed inside the container lid. Each antenna provides 6dBi of gain
- Lithium polymer battery with status indicator.
- External power option.
- Light weight: less than 2.7kg

HIGH POWER DDS JAMMING SYSTEM TRANSMITTED FROM A CONVOY VEHICLE

-D2 JAM, high-power DDS Convoy Jamming system, which implements the most effective RF jamming technology. Reliable and equipped with a fully integrated broadband jamming system.

D2 JAM can cover, continuously and simultaneously, all 20MHz -3600MHz (20-6000MHz) RF communication frequencies which are most commonly used by terrorists to detonate roadside bombs (RCIED). By adopting the latest jamming technologies, the D2 JAM delivers ultra-high 1300 watts RF transmit power, creating a wider shielding range around the vehicle.

Frequency Range	20-3600MHZ
Total RF Power	1000 Watt, Max: 1300Watt
Jammer Module Number	12
Jamming Frequency Bands Number	More than 20Bands
Cooling System	Systematic Smart Cooling System
System Protection	VSWR, Over-voltage, Over-current,
Jamming Source	Direct Digital Synthesize Technology
Remote Control	Full System Operation Control
Antenna Type	High Gain Omni-directional Antennas
Number of Antennas	8-10
Vehicle Platform	Off-road four-wheel drive car
Power Supply Source	Additional AC Generator (5000W)
Total Power Consumption	Max: 5500W, (+28VDC)
Battery Back Up Capacity	200AH/+28VDC
Jamming System Weight	Approx. 90kg
Operating Temperature Range	-35°C - +65°C
Operating Humidity	Up to 80%



MOTO JAMMER - JAMMER WIFI 2G, 3G, 4G, 5G

Protecting a convoyed military team, VIPs, as well as an important site or single person from improvised explosive device (RCIED) attacks along the way is becoming a global challenge and an extremely challenging security task.

The proposed system consists of a motorcycle jammer that can block VHF, UHF, 2G, 3G, 4G, 5G, WIFI or even UAV (anti-drones).

It is possible to offer the service according to the customer's needs.

The maximum output power can be up to 110W.



SPECIAL EQUIPMENT FOR PEOPLE AND VEHICLES

- Non-lethal defense systems and public order
- Personal protections and OP helmets,
- tear gas and alternative crowd dispersal systems
- Bulletproof vests
- Ballistic helmets
- Night viewers
- Portable thermal cameras
- Penetration kit for opening grates, doors ...
- Non-lethal arrest systems
- NBCR gas mask

NON-LETHAL DEFENSE SYSTEMS

Among the non-lethal defense systems intended for use in public order, are shields (including ballistic ones), tactical vests, truncheons, individual protections and gas masks, better illustrated by the images on the side.

In addition to the above, it is also important to point out the use of alternative crowd dispersal systems, which include tear gas, smoke bombs and hand throwing and / or throwing pepper spray nebulizers. All the latter can be made in a self-destructive configuration to prevent the relaunching towards the operators by antagonists. The systems based on pepper spray, in the non-hand throw version, are directional with a range of 11 meters even in the presence of wind.

It is also possible to provide for the use of riot jackets and gloves, which in the self-defense version have the particularity of transmitting a slight electrical impulse to any attacker.



Handcuffs, immobilization equipment



Tear gas nebulizer and pepper spray



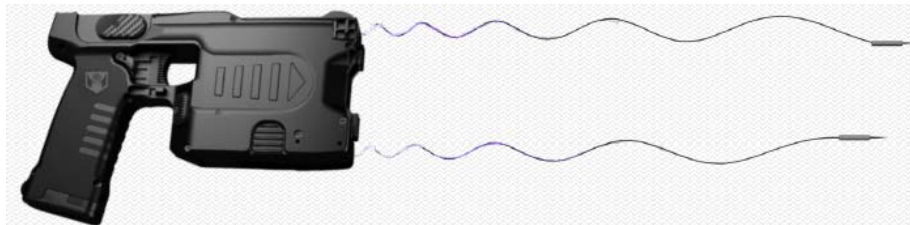
TASER - INNOVATIVE SEMIAUTOMATIC CONTACT

It is a multi-shot electroshock device, designed to incapacitate an aggressive attacker without causing irreversible damage to health and life.

Operating principle

When the trigger is pulled, a high-voltage discharge initiates two CDCs (Charge Delivery Cartridge), which fire the electrodes from the weapon to the target. After the creation of an electric arc, the target receives a high voltage discharge of a specific shape causing paralysis or pain effect based on PDG (Personal Defensive Gadget) electrical exposure technology. The duration of the exposure is defined by the moment the trigger is pulled.

When you reach the goal, the thread stays tight, preventing it from overlapping and releasing the lens. The electrodes are made of soft materials and have an extended diameter to prevent kinetic injury as they hit the target. After pulling the trigger, used CDCs are ejected from the firearm.



NON-LETHAL DEFENSE SYSTEMS

The non-lethal defense and equipment systems include bulletproof vests, both standard and under shirt, weighing less than one kilogram (also implemented by an anti-cut and anti-punch system), which find various possibilities of use (OP, protection, VIP, operator protection in general).

For use at night, the portable thermal cameras and night vision goggles should also be noted

For cases where it is necessary to proceed with the arrest of violent and / or dangerous people, it is useful to pay attention to the possibility of using an innovative non-lethal arrest system in use by the US police forces, based on precision launch by means of laser point, even at a distance of 5-7 meters, of a self-tightening lace, which can be directed to wrap around the antagonist's legs or trunk.



Camouflage and undershirt jackets



Video demo 1



Video demo 2



KIT OF HYDRAULIC SYSTEMS FOR OPENING RAILS, DOORS AND MORE

The hydraulic systems in question find application in all cases where it is necessary to quickly and safely open railings, armored doors, vehicles, etc.

The reference is to the need for a raid by the Police Forces, to the rescue interventions of the Fire Brigade, etc.



[Video demo](#)

HIGH TECHNOLOGY PROTECTION FOR PEOPLE AND VEHICLES

- Personal protections
- Camouflaged bulletproof vests
- Anti vehicular and portable drones
- Mobile shooting systems for immediate installation
- Visualization and localization of the surrounding environment of moving vehicles

HIGH TECHNOLOGY PROTECTIONS FOR VEHICLES, ENVIRONMENTS AND VIPs

On the side is the image of a wearable video transmitter, and its surveillance unit, which transmits video and audio streams over 3G / 4G / 5G and Wi-Fi networks, allowing in real time the acquisition of its location and simultaneous transmission of audio and video recordings.

The Mobile Wi-Fi System includes cameras with an autonomy of at least 6 months, connected to an easily concealable portable image transmission system. The system is applied in all cases where it is advisable to acquire images of sensitive sites remotely.

Ballistic protection applicable on glass of vehicles, ships, helicopters

The protection is obtained by means of a bulletproof and shatterproof film, guaranteed for life, which does not yellow, resistant of calibers 9 - 357 - 38.

Made of lightweight material, it can also be used for the ballistic protection of a vehicle.



[Video demo](#)

PORTABLE ANTIDRONE SYSTEM

The proposed mobile antidrone system is currently unique in the world. It finds application on vehicles, convoys, boats, etc. without interfering with wifi and mobile telephony.

Activated, it creates a protective dome with a radius of 1 km in height and 1 km in diameter, inside which an approaching drone cannot penetrate due to the inhibition of its telemetry software.



Antenna patch per veicolo



Without battery

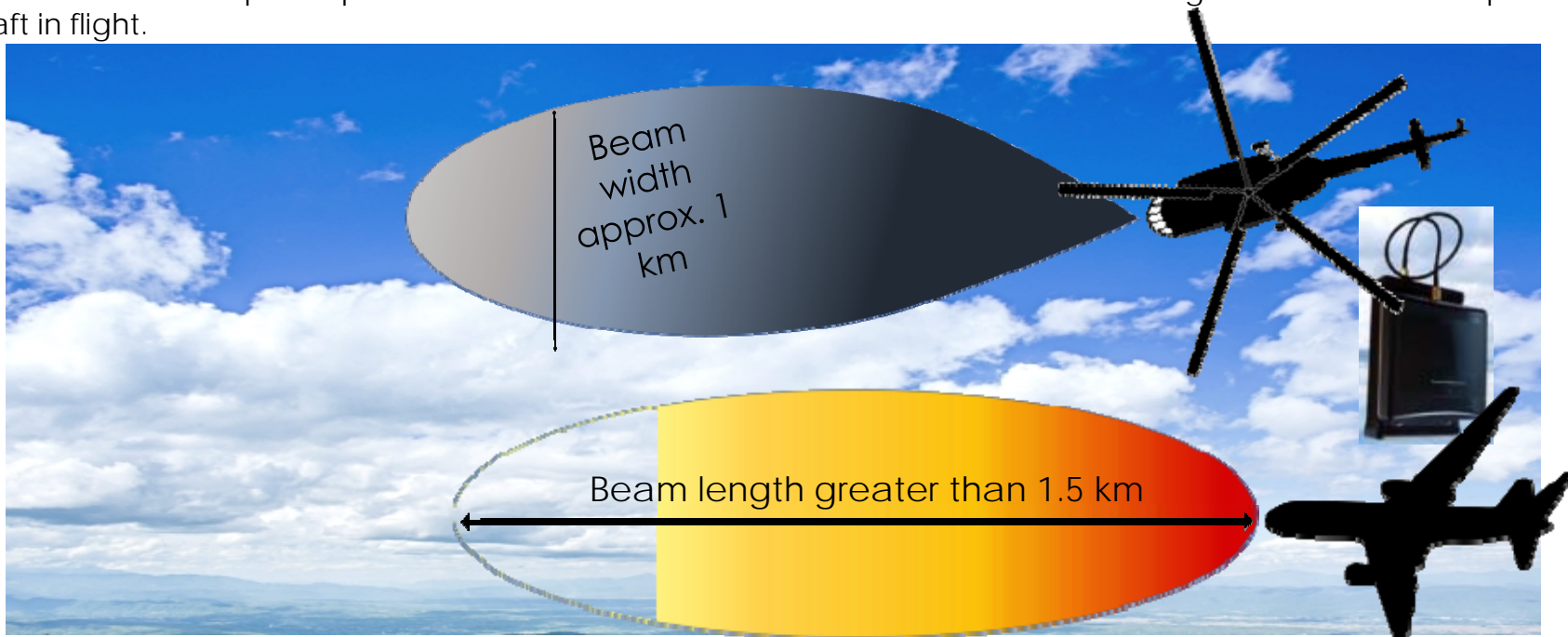


With battery



ANTIDRONE FOR SAFETY OF VEHICLES IN FLIGHT AND FOR THE SAFETY OF LANDING VEHICLES

This solution, currently unique in the world, is portable and was created for use on board aircraft and near the landing strips to meet the needs of protection from drones or swarms of approaching drones. It has a range of 8 km for the protection of an airstrip and produces a beam with a width of one kilometer and a length of 1.5 km for the protection of aircraft in flight.



ANTI DRONE SYSTEM

DRONE DETECTION BY MEANS OF ARTIFICIAL INTELLIGENCE

It can block multiple threats at the same time, identifying the operators who manage the drones (the starting GPS position).The product is field tested and customizable



ANTI-DRONE / UAV / QUADCOPTER JAMMING SYSTEM

The main objective is to neutralize the civilian Drone / Quadcopter / UAV communication in order to prevent the infiltration of sensitive positions, protected compounds, military bases and so on, or in order to protect a VIP from the armed attack carried out by those systems .

The system is a high power outdoor anti drone / quadcopter / UAV that can be monitored and controlled from a remote location using dedicated software.

The system can be provided as an active system or as a reactive system that works only after activating an alarm when an unknown object reaches the air safety zone.

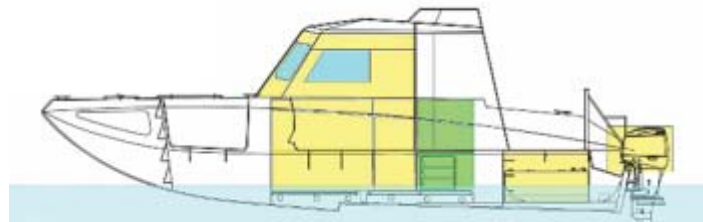


SPECIAL VEHICLES WITH THE POSSIBILITY OF CAMOUFLAGE

- Maritime, land, air
- With crew
- Unmanned
- Custom wiring

LIGHT HELICOPTERS, MARITIME AND LAND VEHICLES - NEW AND USED

In addition to the marketing of helicopters and maritime and land vehicles, it is possible to create armor, camouflage for armored vehicles and customized fiber cabling inside any type of vehicle (or missile).



Video
demo

FAST BOATS VARIOUS CONFIGURATIONS FROM 44 METERS AND 27 KNOTS AND MORE

Made in Italy with reduced turning capacity.

GENERAL	
Gross tonnage	296
Net tonnage	88

DIMENSIONS - PROPULSION SYSTEM - PERFORMANCE	
Length OA.	44,10 mt
Length B.P.	37,25 mt
Molded width	7,83 mt
Depth modeled	3,23 mt
Empty weight	162 tons



[Video demo](#)

JAWS 21 – VESSEL WITHOUT PILOT

All the equipment installed are managed remotely with image display.

OPERATIONAL MISSIONS:

- Maritime surveillance within and beyond 12 nautical miles
- Port defense;
- Search and rescue operations;
- Prevention and contrast of crimes at sea;
- Supervision of fishing areas;



MORE INFORMATION ON THE USV «JAWS 21»

CONFIGURATION:

- FULLY EQUIPPED BOAT;
- CONTROL COMMAND C4I;
- REMOTE MANAGED WEAPONS SYSTEM;
- MARITIME RADAR VARIOUS POWER;
- EO / IR / LRF PLATFORM;
- SONAR;
- PASSIVE SENSOR;
- ECM-ECCM SENSOR;



AIRCRAFT WITHOUT CREW - ETF

Exclusive UAV made in Italy, with a payload capacity (PAYLOAD) of 100 KG.

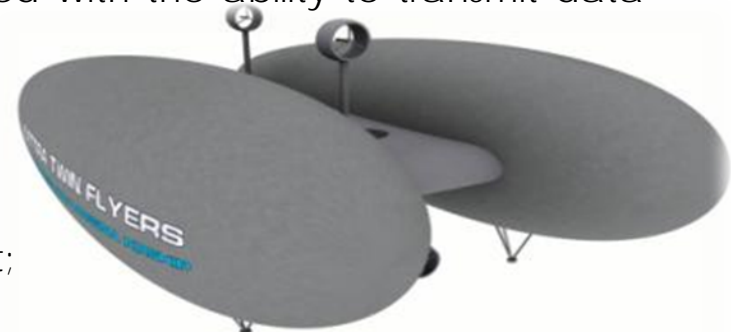
With the possibility of ballistic protection, remotely managed with the ability to transmit data and images to an operations room.

APPLICATIONS

- Tactical control of the territory with target acquisition;
- Border surveillance and area control;
- Privileged use by the armed forces and law enforcement;
- Control of maritime traffic;
- Another useful use is the exploitation of images for journalistic purposes;
- Flight autonomy of 20 days at full load

CHARACTERISTICS OF THE CONTROL STATION

- NAA shelter type ACEIII compliant;
- Compliant with STANAG 4586;
- Redundant command and control console;
- Ability to plan, manage, simulate and reproduce the mission;
- Intuitive MMI;
- External C4I interfaces;



UAV360 WITH OMNIDIRECTIONAL CAMERA WITH 360° VIDEO CAPACITY

It is a mini helicopter of small dimensions and low weight, which in the basic configuration is 17 Cm long for a weight of 160 gr.

It is self-produced, so it can be customized according to the customer's needs.

Its payload is a mini omnidirectional camera with two lenses, capable of shooting spherical videos of the surrounding area and a front thermal imaging camera.

Particularly suitable for forensic analysis and for a tactical vision in the area of operation.



VARI AEROMOBILI MODERNI SENSIBILI PER LE VOSTRE ESIGENZE DI VOLO MULTIPLE



COMMUNICATION SOLUTIONS

- Crypto Technologies
- Moving satellite transmission system for vehicle, boat and aircraft
- Communication system over the air, audio and video, on moving vehicles, even not in optical view between them (NLOS and LOS), and towards the operations room
- Civil communication system in uncovered area.

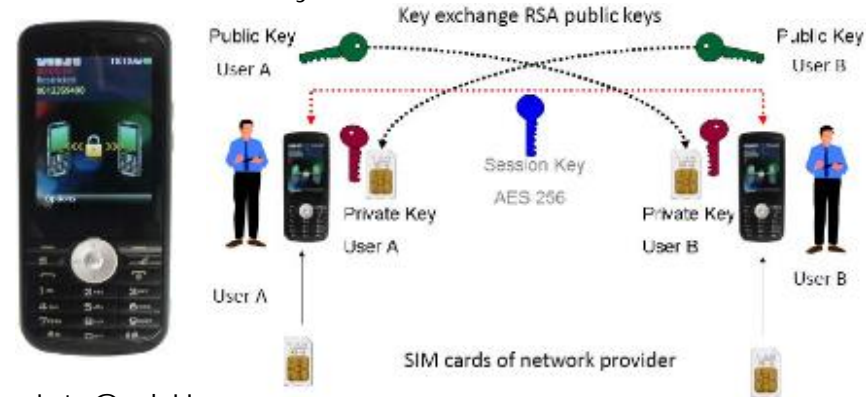
CRYPTO-PHONE E1 - SECURE COMMUNICATION

It uses a point-to-point and / or multi-point voice cryptographic card through an algorithm that guarantees the highest level of communication protection, eliminating most of the major mobile security breaches.

It finds particular application in the security needs of companies, for national security and for the police forces,

Overview Security Module Features

Encryption algorithm:	AES-256bit
Authentication algorithm & key exchange:	RSA 1024 bit/ RSA 2048 bit
Authorization algorithms:	BlackList/ WhiteList /CUGList
Hash algorithms:	RIPEMD-160/SHA256
Digital Certificates:	X509v3
Transportation data formats:	CSD, V110
Crypto Cards:	Deutsche Telekom/ T-Systems Int. GmbH
Netkey Cards:	ITSEC Certification Level 4, mech. strength HIGH.
Encryption Services:	Speech & SMS
Option:	Customer Key management

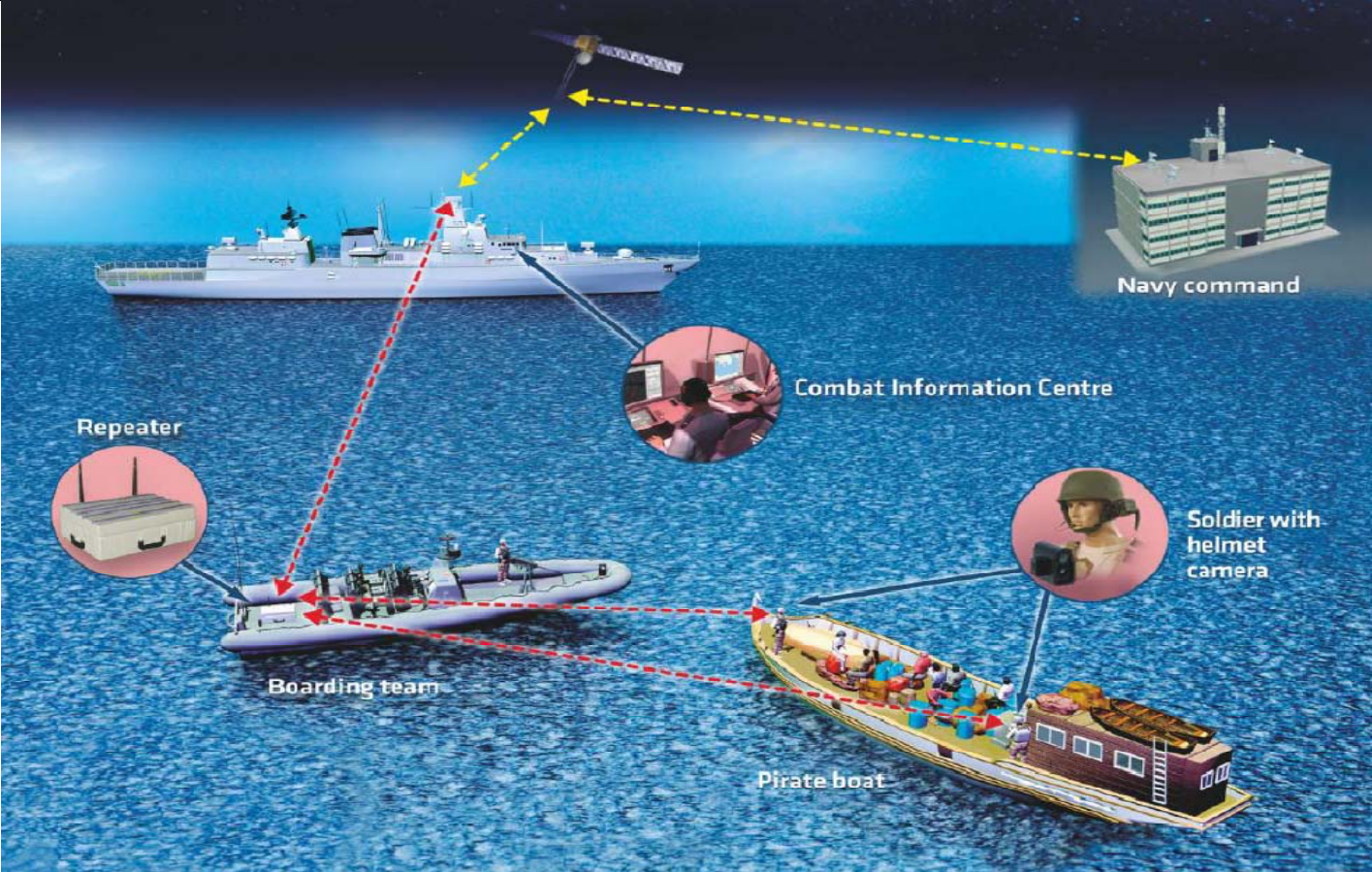


MOVING SATELLITE TRANSMISSION SYSTEM FOR VEHICLES, BOATS AND AIRCRAFT

Two-way satellite VSAT transmission
1- and 2-way satellite communication in motion

It uses mobile and fixed satellite antennas, without the need for setting, with two-way audio and video and data transmission capabilities to various operational centers.



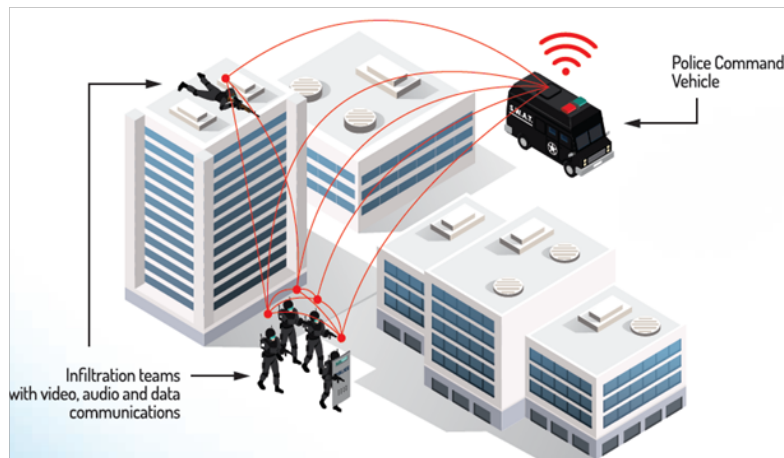


COMMUNICATION SYSTEM VIA AIR, AUDIO AND VIDEO, ON MOVING VEHICLES, EVEN NOT IN OPTICAL VIEW BETWEEN THEM (NLOS AND LOS), AND TOWARDS THE OPERATING ROOM



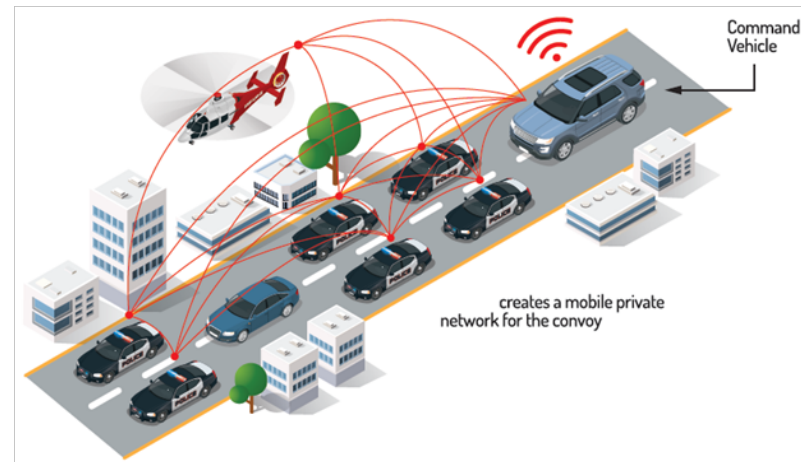
TACTICAL COMMUNICATION SOLUTIONS

Tactical team scenario



Each of the team members in a tactical environment is connected to the command vehicle by means of a self-produced microwave communication device. The Commander will then be able to share audio, video and data with all units so that it can transmit provisions, information and updates.

VIP convoy scenario

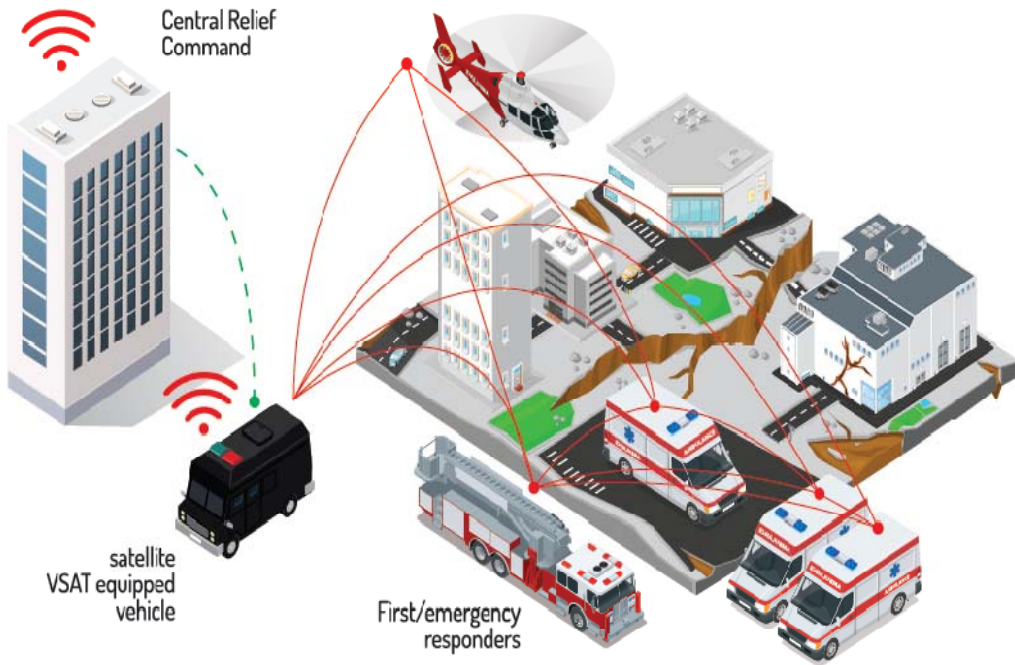


Each of the vehicles is integrated into an ad hoc microwave network that includes a system of cameras equipped with audio.

This allows all security personnel to have a complete view of the convoy in motion.

OTHER TACTICAL COMMUNICATION SOLUTIONS

Emergency services scenario



Maritime protection scenario



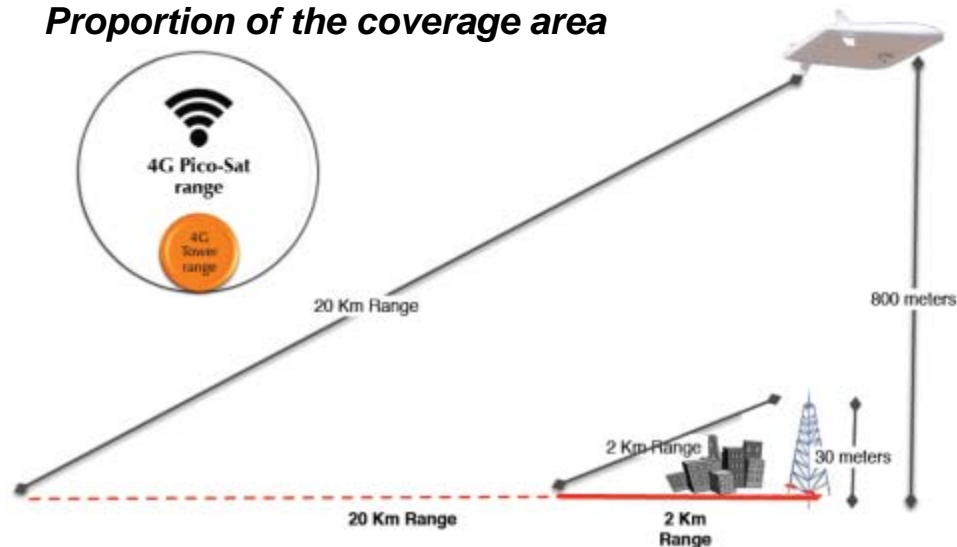
CIVIL COMMUNICATION IN NOT COVERED AREA

The system consists of a mini airship that allows the activation of multiple 4G / 5G telephone lines and pay TV through a combination of satellite technology and mobile network service. The system offers full IP voice web access and TV services up to 47MBit / sec

Peculiar technical characteristics:

- 4G P-Sat covers over 60 times the area covered by the standard telecommunication tower where the mobile device can connect to the Base Transceiver Station (BTS)
- 4G P-Sat can reach 800m of altitude compared to 30m of 4G BTS with tower

Proportion of the coverage area



MULTI-CHANNEL SYSTEM FOR REAL-TIME AUDIO / VIDEO TRANSMISSION

Multichannel is an innovative technology that allows live video and audio transmission, with recording capabilities, in any condition via multiple 3G, 4G, 5G and Wi-Fi or satellite networks.



COMMAND AND CONTROL SYSTEM

Command-360 is a video management platform that allows the control of multiple scenarios in 3D cartography, with the ability to send video from the operations room to the units engaged in the field, allowing rapid decision making.



BORDEL CONTROL

- ISTAR vehicle system
- Long range interceptor for border patrol

ISTAR ON VEHICLES AND VESSELS

ISTAR (Identification, surveillance and target acquisition of objectives)

It is a command and control system which, through the use of various sensors (radar, thermal imaging camera, uav, compasses, goniometric system, etc.) acquires data and images, which are processed by software also equipped with three-dimensional cartography, enriched with NATO messaging, allows the planning of an operational mission in an area of interest.

Everything can also be transmitted over a distance.



Functional description

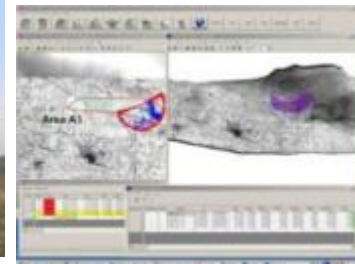
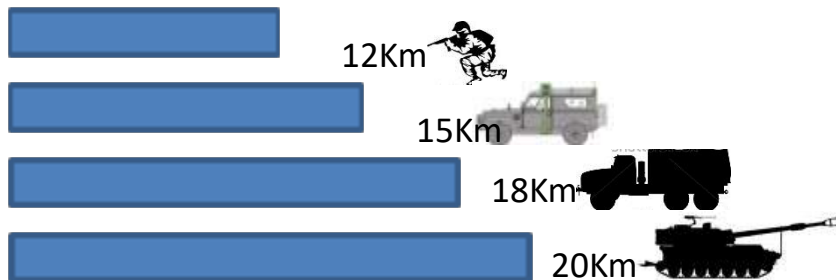
ISTAR VEHICLE SYSTEM

MAIN FEATURES;
Easy installation and maintenance;
Lightweight and portable;
Modular to tactical needs;
HF / VHF / UHF combat radio;
Operational area of digital maps;



SOFTWARE CONSOLE

- Operating system: WINDOWS - LINUX;
- GIS: ERDAS Imagine - Post / Quantum GIS;
- "Raster and Vector" digital map;
- DTED "Digital terrain elevation data"
- Library symbol;
- Standard message formatting;
- C4I interoperability.



"RAIDER 11" MILITARY PLATFORM

Platform, made in Italy, launchable, mobile, installed on the vehicle, equipped with the same istar functionality previously described.

It is also used in land surveillance and control operations.

Allows connection with UAVs to have an additional operating range of 30 km; this allows you to acquire the images taken by the UAV, which combined with geolocation, can be sent to the operations room also enriched with NATO messaging

All this allows you to have a complete view of the operational area for the evaluation of operations and logistics planning.

Features

- Reliability;
- modularity;
- Mobility;
- Flexibility;
- Low running costs;
- Easy maintenance and repairs;
- Interoperability with all operating units



OBJECTIVE ACQUISITION STATION

Lightweight station under 20 kg, for backpack

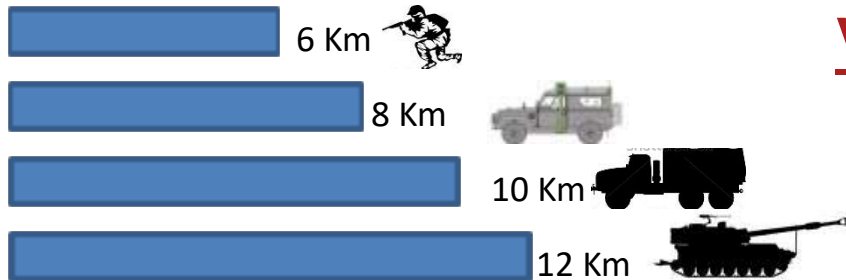
Laser Designator

PERFORMANCE;

- Easy installation and maintenance;
- Lightweight and portable;
- Modular to tactical needs;
- HF / VHF / UHF combat radio;
- Operational area identified by digital maps.



Video demo



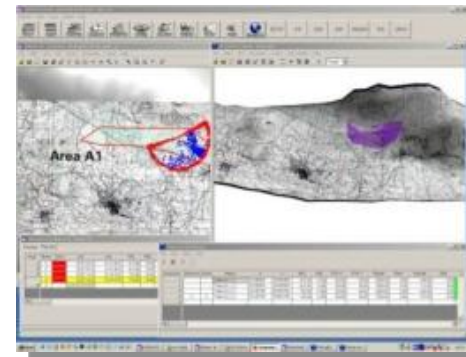
TERRESTRIAL MILITARY STATION FOR THE ACQUISITION OF SELF-PRODUCED OBJECTIVES

HARDWARE GCS

- CPU: Intel I7;
- RAM: 16 GB;
- SSD: 512 GB;
- DISPLAY: 10 "LED, opt. Touch screen;
- KEYBOARD: Backlit keys, waterproof;
- Weight: <3.0 Kg;
- Serial ports: RS 232/422/485;
- USB ports: 3;
- Ethernet port: 2

SOFTWARE GCS

- Operating system: WINDOWS LINUX;
- GIS: ERDAS imagine - GIS Post / Quantum;
- "Raster and Vector" digital map;
- DTED "Digital terrain elevation data"
- Library symbol;
- Format standard message;
- C4I interoperability



BORDER PATROL

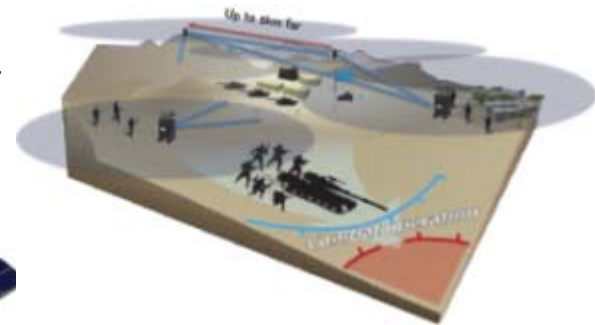
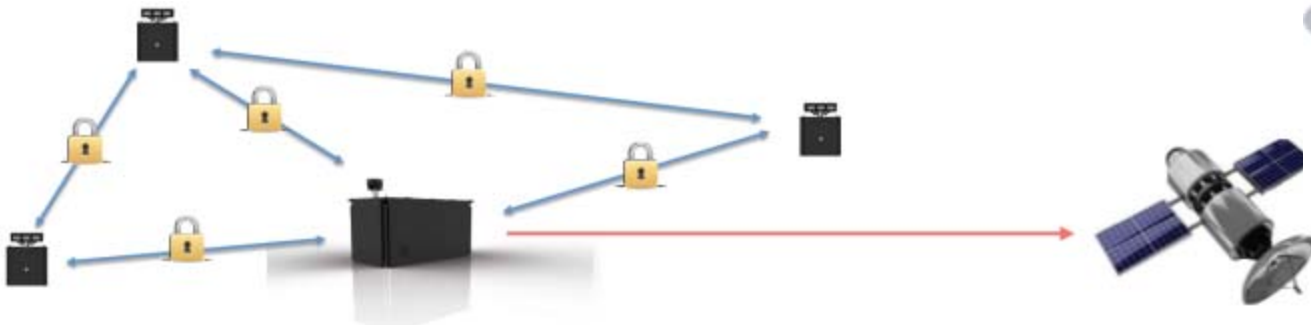
360 ° field of view
20Km vehicle detection
5km man scan detection
5Km P2P connection between each unit for
CCTV (video and data)
MATRIX as a portable CR
Satellite connection with the headquarters
Autonomy of the entire system: 10 months
Operating temperature: -20 / + 60 °

Through the use of various types of sensors, it allows you to control a large sensitive area.

The system communicates directly with the control room (unicast), also portable, in turn connected to an operations room

The system provides for the use of fixed and mobile sensors connected via satellite with localization of the sensors used on a digital map.

Communications are encrypted.



MINI SUBMARINE WITHOUT PILOT

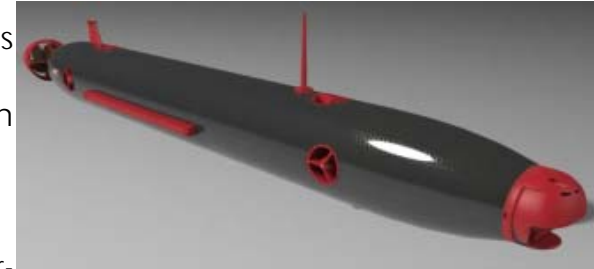
The system, customizable, produced in Italy, can be used for the surveillance and control of marine areas with the possible addition of the demining function.

It is managed remotely and allows you to send video and data to an operations room

Portable and light, it can also be managed remotely by two people on board an inflatable boat.

Technical features :

- tethering mode included (i.e. surface radio buoy connected to the vehicle via a Kevlar-coated optical fiber);
- 6 brushless electric motors (2 main propellers + 4 side / azimuth thrusters)
- ability to hover and rotate points;
- weight <30 kg
- dimensions 1.7 m high x 20 cm diam
- MOD -500 mt
- ability to avoid obstacles
- route followed and bathymetric navigation
- Wi-Fi + RF surface communications + underwater acoustic communications
- Rugged PC with GUI software
- Equipped with:
- Integrated full spectrum bottom profiler and side scan sonar
- Sonar
- Altimeter + depth sounder (digital)
- Equivalent AUV class sensors + UW camera



MILITARY SYSTEMS

- Wearable antidrone
- Compound passive mobile sensors
- Remote weapon management systems

WEARABLE ANTIDRONE

Unique in the world, small, light, it allows the security of the military on operational ground for the entire range of coverage of the system.

The system includes an antenna and a battery weighing only 350 grams in a backpack.

An equipped backpack therefore offers anti-drone coverage, even armed, to the whole team over an area greater than 1.5 KM in diameter.



[Video demo](#)



AIR DEFENSE RADAR AT VERY SHORT DISTANCE

Very Short Air Defense Radar (VSHORAD)

The system is designed for in-flight target detection and tracking, including a wide variety of low RCS and low altitude targets such as fighter aircraft, ultralights and UAVs.

Main features:

- Track when scanning over 100 targets
- 3D radar with 360 ° azimuth coverage
- It works locally or via remote command and control system
- Autonomous or integrated operation with additional air defense radars integrated with IFF (option)
- Ethernet LAN communication (wired or wireless)
- High reliability - full solid state design
- Extended ECCM functionality
- Digital technologies:
 - Digital Beam Forming (DBF)
 - Digital compression of pulses
 - Digital receivers
- Integrated GPS
- Extended BIT
- Low energy consumption



RADAR, AERIAL SURVEILLANCE SUBSYSTEM

MULTIMISSION HEMISPHERIC RADAR PLATFORM

The MHR is an advanced software-defined pulse-doppler radar platform that can accommodate various operational missions, which can be performed separately or interleaved over time.

It has an AESA (Active Electronically Scanned Array) S-band antenna, which covers over 90 ° in azimuth and elevation. It is solid-state, digital, compact and mobile and has unprecedented affordability. When 4 MHR are set as a system, hemispherical coverage is achieved.

The MHR can detect all types of moving objects, at an extremely wide range of speeds. Implement ground and lateral multipath erasing techniques and capabilities and techniques that enable coexistence with other identical systems nearby.



COMPACT MISSILE SYSTEM R-SKY2 FOR AIR DEFENSE

R-SKY2 is a fast, affordable, mobile and modular low-altitude air defense system with C3 command, control and communication capabilities

The R-SKY2 system:

- Bring MANPADS missiles to their maximum operational range
- Provides decision support in target detection and firing processes, overcoming the limitations of the human operator and increasing the likelihood of success
- Offers continuous surveillance and operational readiness, 24/7 operational capabilities, automatic passive detection capability and missile signal in the acquisition of detected targets
- It offers a flexible solution for timely defense of strategic assets, essential air corridors, and rapid deployment forces

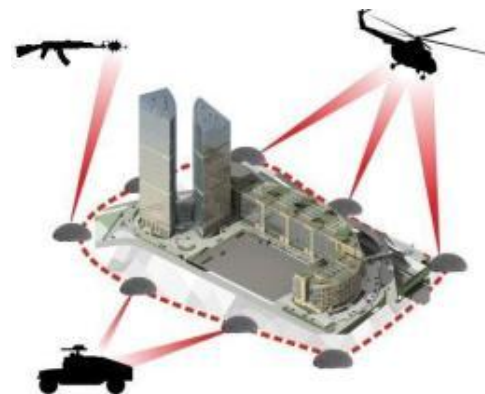


PASSIVE MOBILE SENSOR «COMPOUND 11»

The Compound 11 wireless system is based on its unique Acoustic Vector Sensor (AVS) technology, unique in the world, which offers the possibility to locate hostile fire, including small arms, artillery, mortars and missiles.

The system is fully configurable at various size levels and can be integrated with existing command and control systems.

It allows to identify the origin, locating it, of direct fire up to 1 km away and indirect fire up to 6 km away.



REMOTE SHOOTING MANAGEMENT SYSTEM



It is touch screen
and made in Italy

Video demo



LIGHT FIRE WEAPONS

Among the many light firearm solutions on the market, three innovative solutions are presented below:

The first is a semi-automatic pistol that allows operation to a single operator equipped with a ring that allows the operator to match the weapon, preventing its use by other people.

The second solution is a double-barreled semi-automatic pistol with two different calibers (9 and 45 mm)

Third solution is a semiautomatic pistol equipped with a conversion kit for automatic shooting.



[Video demo](#)



[Video demo](#)

EQUIPMENT FOR MILITARY

Holsters: double locking Duty Glock 17 with thumb opening

Material: polymer

Certification: CE, RoHS, SGS, REACH

Fits both Glock 17 Gen 1,2,3,4,5 guns (insert block to fit Gen 1-4, without block to fit Gen5.)

Fits standard viewfinder and taller viewfinder.

Taser certified by ministry of health for prison

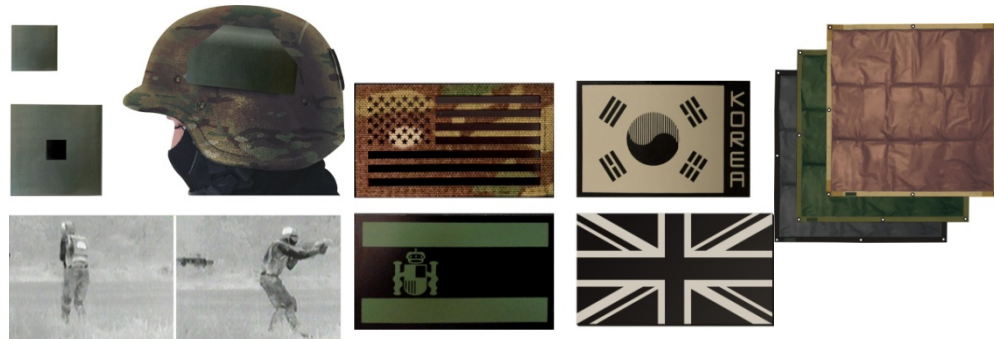
Fluorescent tags not normally visible only with night vision to be recognized



Fluorescent tags not normally visible only with night vision to be recognized

Thermal identification panels and patches made of passive material, intended for outdoor use, when exposed to the open sky reflect the thermal energy of the sky (on a clear day the sky temperature can drop to -30°C) and appears as a contrasting cold area on the thermal device.

Same material for 3-5 microns and 8-12 microns.



INVESTIGATION SYSTEMS

- Long distance mobile phone interception
- Tactical mobile phone interception
- People locator
- Wi-Fi interception
- Social interception (WhatsApp, Telegram, VoIP, ...)
- Strategic and tactical thuraya satellite interceptor
- Directional microphone
- Micro cameras and GPS and environmental
- Audio and video microtransmitters
- Polygraph systems (lie detector)
- Long range camera

LONG-DISTANCE INTERCEPTION MOBILE PHONE



- The solution allows the interception and location of targets in cases of mobile telephone communications up to a distance of 120 km

The system uses an antenna of only 120 cm. in diameter, which allows it to be autonomous and not need to be supported by a telephone operator.

It also offers the possibility of recording and listening to telephone communications, copying text messages, capturing telephone numbers and data from a single telephone and locating a selected target.

TACTICAL INTERCEPTION MOBILE PHONE

This solution also provides autonomy from telephone operators

It can be configured in different solutions:

- Acquisition of phone and calling card data (IMSI and IMEI Catcher)
- Vehicle installation
- Handheld

All systems can be integrated with each other and can be customized according to needs.



PEOPLE LOCATOR: "Positioning device"

This solution that can be integrated with the data acquisition function of the target phone allows to locate the same even in the presence of crowds.

FEATURES:

- Precise location
- Interference resistance
- Operable via smartphone

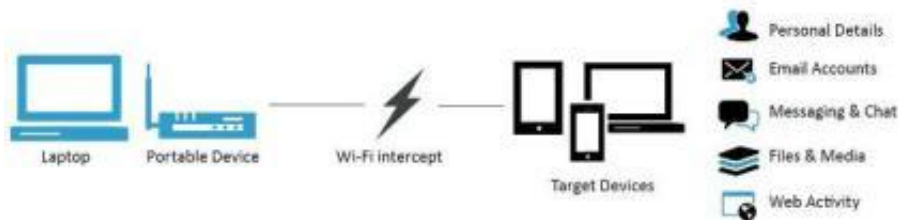


MDS – Wi-Fi INTERCEPTION

The tactical / mobile MDS solution allows you to intercept the data traffic of any device operating on Wi-Fi networks (including Voice over IP VoIP, e-mail, HTTP, web mail, Messenger, chat and FTP, etc.)

Features :

- Quick and easy installation:
- Real-time data collection: Captures any type of target data (device details, email account information, messages, calendar, contacts, images, and web browsing activity).
- Tracking the location of devices.
- Interception not detectable because it is passive.
- Fixed and mobile operation
- Durable, lightweight and easy to carry, the device fits standard backpacks, cases and bags.



SOCIAL INTERCEPTION(WHATSAPP, TELEGRAM, SKYPE, VOIP, ETC.)

The system allows you to intercept communications that take place on social networks (whatsapp - telegram, skype, voip, etc.) by means of a Trojan sent remotely.

Features :

- Acquisition of calls, SMS, IVR and data
- iCloud Collection Acquisition
- Remote monitoring (locations, photos, contacts, storage, agenda ...)

Operating mode :

1. Creation of a fictitious cellular network: allows you to acquire all users included in the coverage of the system
2. Capture the target
3. Infect the target
4. Remote data collection

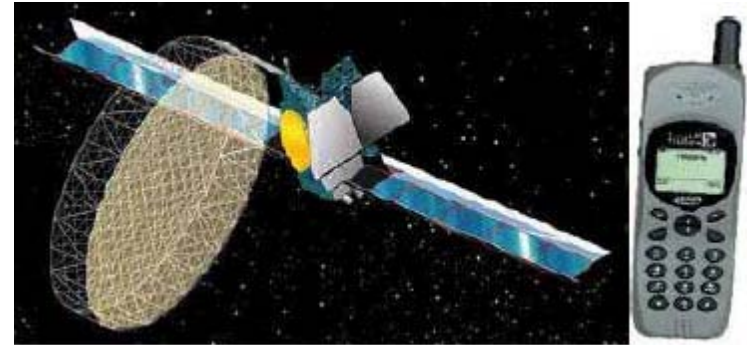


TST- THURAYA SATELLITE INTERCEPTOR, tactical

Tactical version

The "Tactical" version of the TST system provides a control and monitoring system based on a frequency Down - Converter and relative reception unit combined with a portable PC

It can be easily mounted on a vehicle as the unit is "Rugged" and is also inserted in a "Pelicase" type unit designed to withstand water.



CUSTOM VEHICLE INSTALLATIONS SOLUTIONS WITH HIDDEN CAMERAS



DIRECTIONAL MICROPHONE TACTICAL AUDIO AND VIDEO SYSTEM

Various high-tech solutions are possible.

The first solution is represented by a directional microphone with a range of about 60 meters, which detects the audio of a target even in a crowded and noisy environment.

FEATURES:

- Record audio and video
- Quick registration
- Audio enhancement

The second solution proposed is that which provides for audio surveillance with laser technology.

The system works by detecting the vibrations of the glass of a window in the room where the targets are collected, translating the detected vibrations into audio



AUDIO DIRECTIONAL SURVEILLANCE WITH LASER

The second solution proposed is that which provides audio surveillance with laser technology.

the system works by detecting the vibrations of the glass of a window in the room where the targets are collected, translating the detected vibrations into audio.

FEATURES:

- Range up to a distance of approximately 500 meters
- Invisible infrared beam for camera pointing
- Integrated camera

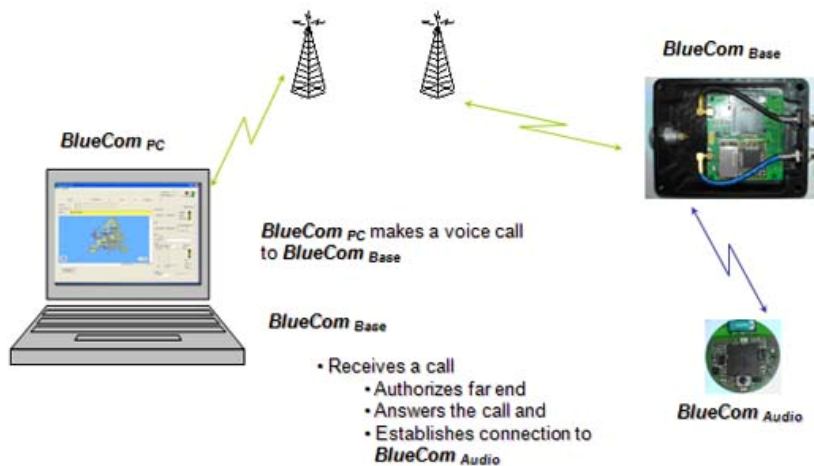


MICRO CAMERAS FOR USE IN THE PRESENCE OF LOW AMBIENT LIGHT, GPS AND AUDIO WITH BLUETOOTH, ENVIRONMENTAL AUDIO WITH WIFI

Features

- Miniature size
- High performance.

Operating and Controlling The System I



Phantom - Microphone for spy

This is an environmental device

Since it is made of plastic and glass, it is undetectable.

It is powered by ambient light.

Resists electromagnetic interference.



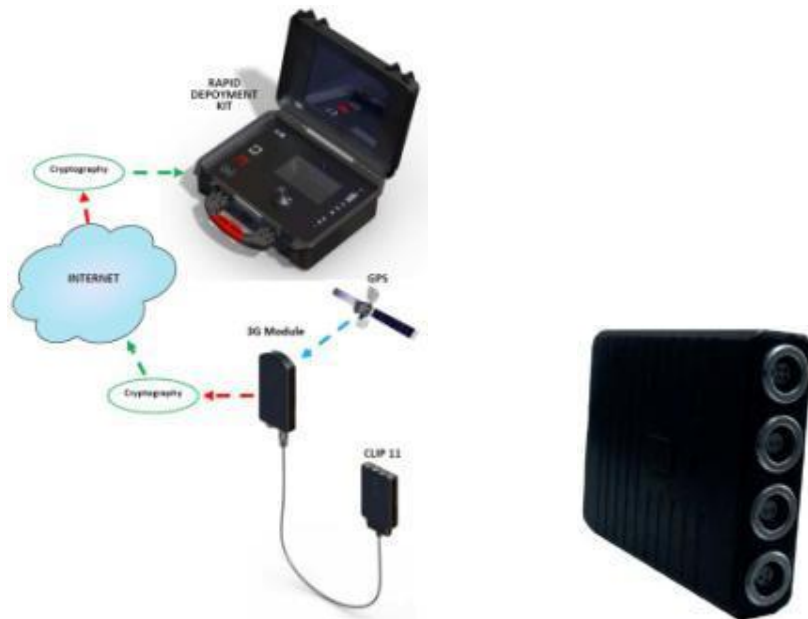
MINIATURIZED VIDEO AND AUDIO TRANSMITTERS - VARIOUS TECHNOLOGIES

It is an over-the-air transmission system with COFDM technology, which allows wearable micro-cameras to operate even in non-visible optical conditions. All the images collected are transmitted in real time to the operations room.



Clip11 - H264 mini video recorder with digital audio

It operates in 3G - 4G 5G LTE and it is possible to transmit data in remote Wi-Fi video streaming.



HIDDEN DEVICES FOR DISCRETE REGISTRATION

Wireless cameras with Live View

Have you ever needed / wanted a hidden camera?
Here are some of the reasons why you might buy one of ours.

- Capture footage inside your home
- Burglary
- Domestic violence
- Monitor pets
- Monitor babysitters
- Traitor partner

All with Live View via mobile app

- Capture movies outside the home
- Secretly capture criminal footage



POLYGRAPHIC SYSTEMS (Lie detector)

The system allows during an interrogation to automatically ascertain whether the interviewee's answers are true or false through the remote analysis of visual stress

In addition to obtaining the behavioral model of a suspect in real time, with this platform it is possible to create a profile archive of the suspect and to analyze pre-recorded video material at any time and in offline mode. This allows for the comparison of profiles and the acquisition of further information and understanding for any investigation.

Features

- Automatic and in-depth analysis of video files recorded during the interrogation process with system alerts in the presence of a false response ascertained by analyzing involuntary movements of the iris.
- Export functionality of the processed video in CSV, PDF files. Each processed video file is converted to a custom encrypted storage file type.
- Interactive video reports
- Graphs that provide a wide-ranging behavioral picture of the respondent.
- Flexible and modular customizable interface.



GHOST VAN – VEHICLE OF SURVEILLANCE AND INTELLIGENCE

Operating systems

The vehicle is equipped with a wide range of operational tools and intelligence applications. Ghost SIV is equipped with detection and location devices with data capture of the target's phone.

It allows the identification of the characteristics of the target, such as gender, personal data, nick name, including device details, information on the email account, messages, calendar, contacts, images and web browsing activity, through social.

The system has the ability to capture hundreds of MSISDN devices without interfering with the cellular network.



Features

- Quick and easy installation:
- Undetectable interception
- Dual Mode Operation: Can be used in standalone mobile mode or fixed mode at important sites



PORTABLE LONG DISTANCE OBSERVATION SYSTEM

Portable Model: The portable long distance observation system is designed to meet all surveillance needs in city and rural areas.

The system guarantees the acquisition of the target at a very great distance (at 7 km it is possible to frame the facial features or a plate; at 12 km it allows a clear view of the images) using a combination of day / night sensors, providing a noticeable magnification superior to all products currently on the market.

FEATURES

- easily transportable and for immediate use in the field.
- remote use is possible.

Fixed station model (ICCD-08): allows detection for 24 hour use, day / night; combines color CCD, IR sensitive black and white CCD and 1/2 "or 1" image intensifier (XD4 or XR5 technology) with fiber optic CCD sensor.

Allows sensor switching with focus / zoom compensation manually or automatically via external light sensor.



[Video demo](#)



[Video demo 1](#)



[Video demo 2](#)

ELECTRONIC COUNTERMEASURES

- Microphone Inhibitor, Jammer
- Meeting room security
- Rooms shielded against electromagnetic emissions
- Environmental detector
- Frequency detector for remediation
- Hardware destroyer system: phones, hard-disks, usb ...

Microphone inhibitor

The device prevents unauthorized recording of professional digital recorders, such as EDIC-mini, Gnome, analog recorders and smartphone types iPhone, iPad.

The product is camouflaged in a carrying case and can work either stationary or portable.



Hidden jammer for audio speakers

VIRTUAL SCREEN
GENERATOR FOR GSM, DCS, UMTS 900mhz - 1800mhz - 2100mhz

Inhibition standard: GSM 900, GSM 1800, DCS 1800, UMTS
Frequency bands: 900mhz - 1800mhz - 2100mhz
Time inhibition mode: constant
Modulation format: non-impulsive
Capacity to maintain inhibition: continuous 24 h

Triband Output Type: Simultaneous
Delation of suspended emissions: ³ 30db
Delation of harmonic emissions: ³ 40db
Intermodulation delay: ³ 20 db in band and ³ 30 db out of band
Frequency stability: within 100kHz



18 Antennas Mobile Jammer

It is a frequency inhibitor, equipped with 18 transmitters. Each of them works by creating an inhibition range of up to 60 meters, of all mobile devices.

Output port	Frequency
CDMA	850-894MHz
GSM	925-960MHz
DCS/PCS	1805-1990MHz
868	868MHz
3G	2110-2170MHz
WIFI2.4G	2400-2500MHz
GPSL1	1575MHz
4G LTE	790-826MHz or 725-770MHz
4G WIMAX	2620-2690MHz or 2345-2400MHz
Lo-jack	167-175 MHz
UHF	400-470MHz
VHF	135-174MHz
GPSL2-L5	1170-1230MHz
GPSL3-L4	1370-1390MHz
315	315 MHz
433	433MHz
5.G	3.400-3.700MHz
5G	700-740MHz



MEETING ROOM SECURITY

USB - CryptoBridge Unlimited Privacy

USB-CryptoBridge protects your privacy: you can turn USB sticks and removable hard drives into a transportable small-sized encrypted media



Private conversation protector

Private Conversation Protector allows you to protect private conversations from voice recorders, microphones and direct human listening.

- Simple to use device
- Two modes of protection
- Very discreet appearance
- It can be customized
- Managed from the mobile app



CEFI30Plus detects cell phones, weapons and other products

Thanks to the ferromagnetic detection technology (FMDS), it detects the presence of small microphones, also hidden inside the human body

CEFI30Plus features and benefits include:

- Simple installation, implementable and concealable.
- use indoor and outdoor environments.
- Battery powered or landline connection.
- Detect cell phones on or off.
- Possibility for the operator to receive an alarm in covert mode.
- Harmless to the health of the persons under the control and of the operators.



OMN360 it is a small microphone

Round in shape, it can be installed in a visible and invisible way in order to inhibit the function of microphones and prevent recording. For use in meeting rooms.



KOM31 Ultrasonic jammer

The system differs from the previous one as a portable version.

This suppressor creates complex structured ultrasonic noise that inhibits the microphone diaphragm.



Bug detector with real-time remote monitoring functionality

Protect from eavesdropping with RF transmitters and laser monitoring system.

Detect:

- RF Bugging Devices
- Cell phones and modems (CDMA450, GSM 900, GSM 1800, 3G)
- Wireless data transmitters (4G, WLAN, BLUETOOTH 2.4 and 5GHz)
- Cordless telephone systems (DECT) and special technical devices that use these data transmission standards
- Analogue radio listening devices



ROOMS SCREENED AGAINST ELECTROMAGNETIC EMISSIONS

Protected shelter facility

Advantages and characteristics of the electronic conductive fabric to obtain shielded environments:

- Low construction costs
- Easy installation
- Perfect adaptation to the internal conformation of the room to be shielded
- Little need for maintenance
- Short construction times



Frequency detector device

The detector is an indispensable tool for the quick and safe detection of devices containing semiconductor components.

It can be used for the reclamation of premises with identification of hidden devices, including repeaters.



RF detector frequency meter

The device provides detection of:

- mobile phones compliant with GSM900 / 1800, UMTS (3G), CDMA450 standards;
- DECT phones;
- Bluetooth and Wi-Fi devices;
- wireless cameras;
- radio transmitters with analog modulation (AM, FM, PM);
- radio transmitters with digital modulation and continuous carrier (FSK, PSK, etc.);
- radio transmitters with broadband modulation up to 10 MHz of bandwidth.



ST 031M "Piranha" - Multi-purpose search device

Allows you to determine the position of radio emission devices,

The system mainly includes:

- Radio microphones;
- Telephone transmitters;
- Radio-stethoscopes;
- Hidden video cameras equipped with a radio channel for the transmission of information;
- technical means or systems for radiofrequency space radiations;

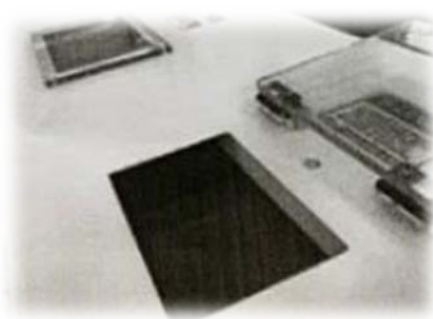


HARDWARE DESTROYER SYSTEM

Hardware destroyer system: mobile phones, usb, hard disk (also sdd type), CD, DVD

It produces enormously small parts and the data is irrecoverable.

All in just 20 seconds maximum, transportable, standard 220 volts power supply.



[Video demo](#)

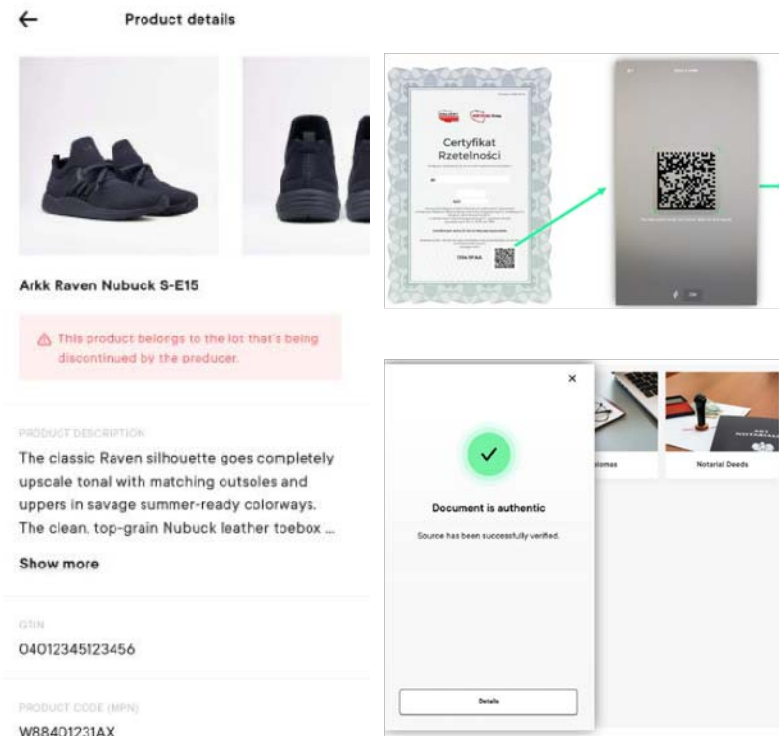
CERTIFICATION OF THE AUTHENTICITY OF THE PRODUCTS

Autentica21: flagship product used to certify and verify the authenticity of products, as well as to trace them within the supply chain (Track & Trace component). The system is built on the basis of block-chain technology (DLT).

The Autentica21 system certifies, tagging products and / or their components, using cryptographic and steganographic mechanisms to protect QR codes, Data Matrix codes and / or NFC (RFID) tags, thus also allowing verification of their authenticity. This guarantees the responsibility of the manufacturer and allows you to acquire information on the products themselves, even of high quality or high value (branded watches, high fashion clothing, etc.)

Authentication21 Visor: allows you to label and monitor equipment and products (military equipment, etc.) through cryptographic identification, providing the recording and management of monitoring activities and technical inspections.

Autentica21 Doc: tags, protects and verifies the authenticity of all types of documents.



SOLUTIONS FOR PENITENTIARIES

- Mobile phone detector, weapons and contraband products
- Audio detection system and break-in attempts
- Audio Video Recorder for interrogation with Forensic value
- Electronic bracelets
- Penitentiary management system

DETECTOR OF MOBILE PHONES, WEAPONS AND SMUGGLING MATERIAL

The device detects the presence of cell phones, even if they are turned off, weapons and other illicit material also inside the human body.

FEATURES

Mobile or fixed

Can also be used in the presence of an armed operator,

The sensor unit can be positioned vertically, horizontally or in any angle for control and in particular conditions (linen, mattresses, etc.)

Can be used inside the detention rooms and outdoors

Control capacity of 40 inmates per minute

Verification capability with alarm not visible to the inmate



Video demo

PORTABLE MOBILE PHONE DETECTORS



Easy to use, the Phone-Dec21 can detect 2G (GSM900 & GSM1800) and 3G (UMTS900 & UMTS 2100), 4G (LTE800 & LTE2600) and 5G (758-788) mobile phones. For situations where greater accuracy and / or specific monitoring is required in areas with multiple phones, a specially designed directional antenna system can be used with the PHONE-DEC21.

The system, in addition to allowing to detect the signals, also allows you to download the data (list of telephone calls made and received and sms with indication of date and time, via USB port).

One external and one internal antenna

Color display

Portable device for detecting switched on electronic devices combined with metal detectors

FULL DETECT

The portable device designed for the inspection of people, in order to identify the presence of electronic devices turned on. The device provides for the simultaneous combination with the use of metal detectors.



ALARM SYSTEM WITH VIBROACOUSTIC DETECTION

In order to raise the level of effectiveness of the control and prevention actions carried out by law enforcement operators, it is possible to use a high-tech alarm system to help prevent break-in attempts to damage grates. and doors, also useful for listening in rooms specifically used for this purpose.

The reference is to the system called "Structural Vibro-acoustics".

This system is based on the use of sensors with piezoelectric capacity of the thickness and dimensions of a small postage stamp, absolutely undetectable because they are "passive", which make every flat surface or piece of furniture "active", allowing to receive alarms and record conversations.



Video demo



AUDIO VIDEO RECORDER FOR INTERROGATORS WITH FORENSIC VALUE

Only two buttons control the recording. The device provides three cameras with various simultaneous functions, digital signature and two different simultaneous recordings.



ELECTRONIC BRACELET OR ANKLET

The device is self-produced and customizable

In addition to the traditional function of surveillance of house arrest detainees, the device also has the function of anti-stalker (alarms if the stalker approaches the victim).

The system goes into alarm even if the prisoner runs and tries to tamper with it.

FEATURES :

Area limits setting,

Event history function

Accelerometer to signal impact, accident, fall and intention of tampering

Dynamic position report in real time based on time interval or distance traveled

Mileage report and overspeed warning

Call function by the control room

Data security with password protection

Operating time over 40 hours with single battery charge

IP 67 waterproof

GSM / GPRS Quad-band 850/900/1800 / 1900MHz

High sensitivity GPS for indoor and outdoor use



PENITENTIAL MANAGEMENT SYSTEM

A prison service specialized in consulting, training and integration of technologies for prisons and parallel organizations.

Coverage:

- Assessment of risks, needs and threats.
- Penitentiary planning, updating and integration.
- Consulting and writing of SOPs.
- All levels of staff training.



SOLUTIONS FOR TRAINING

- Virtual simulation
- Real fire training simulator
- Combat training
- Simulator for skydivers
- Inert sampling of explosive devices, weapons and training devices

VIRTUAL REALITY TRAINING SIMULATOR

Real movements in a simulated world

Features:

- Customizable environments.
- VR precision technology for precise location tracking.
- The user has a real optical and tactile vision.
- Accurate shooting with weapons of the same weight as real ones.
- High quality HMD headphones.
- Wireless headset technology and virtual reality headset
- Specific customizable software



Video demo

Applications:

- Military
- Special forces
- Police forces



Real Bluffing environments

Unmatched simulation quality

REAL FIRE FIGHTING TRAINING SIMULATOR

The system, which can be customized, provides for the combined action of software and a real fire situation up to 2.5 meters in height. In the simulation, all the equipment normally used for aerial-mobile interventions for homes, ships, trains, etc. are used.



[Video demo](#)



COMBAT TRAINING

Systems capable of producing real fog and sounds.
The use of real copies of weapons and inert explosives is envisaged, with the possibility of creating operational situations in the presence of fog.
The sounds produced are real.



FOREIGN WEAPONS TRAINING KIT (OPFOR)



TRAINING SIMULATOR FOR PARACHUTISTS

Hot air balloon for paratroopers training



[Video demo](#)

Wind tunnels



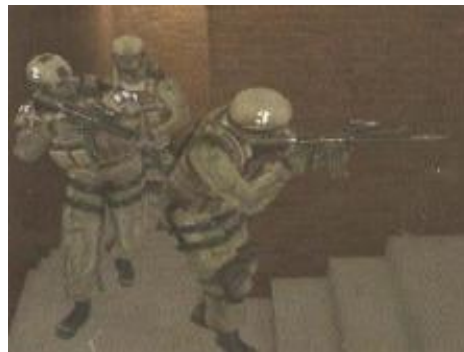
[Video demo](#)
[- tunnel](#)



[Video demo](#)



VIRTUAL REALITY SIMULATOR



Virtual-SIM training simulator

Most effective virtual IMMERSIVE SIMULATOR for LEADERSHIP, TEAM TACTICAL AND MISSION REHEARSAL TRAINING AVAILABLE TODAY!

It involves the use of sensors applied to the human body and virtual reality viewers

MEDICAL

- Exoskeleton
- Monitoring of compromised health situations
- Portable Medical System
- Mobile hospitals
- Medic Van, Air ambulance
- Telemedicine, remote viewing glasses
- Detection of metal objects for medical clinic
- Medical device for skin care

EXOSKELETON

The exoskeleton called ONIX is a robotic system to support human activities (tutor), consisting of a flexible structure that adapts to the torso, hips and legs.

The system was developed to support the walking even of people with deficit, minimizing the weight that weighs on the person in favor of a general greater maneuverability.

It allows you to get up from sitting and vice versa, to walk and drive the vehicle: all in complete autonomy as it leaves your hands free.



Video
demo

MONITORING COMPROMISED HEALTH SITUATIONS

The system designed involves the use of a wearable mini sensor in continuous contact with an operating room (hospital or other) where an alarm is automatically sent in cases where a compromised health situation occurs.

The reference by way of example goes to the circumstances of people buried in rubble and to clinical parameters of the person concerned that record an alteration that could result in an emergency health situation (example: heart attack prevention)

When the alert is sent to the connected operations room, the system also automatically offers the exact location of the patient.



PORTABLE MEDICAL SYSTEM

It is a complete solution for emergency services that provides paramedics with the tools they need to bring the doctor closer to the scene.

The system consists of a case equipped with a high resolution video camera, wireless stethoscope, screen and multi-channel device that provide real-time transmission of video and data to the hospital or medical team for immediate real-time remote medical assistance.

The transfer of patient data takes place via multiple cellular communication with 4-level security.



TERRESTRIAL AND AIRCRAFT MOBILE HOSPITALS

Medic-van

The medical van is a mobile first aid device capable of carrying out long-term missions and providing high-level health services, in all conditions.

Features :

- Customizable
- Connection with any healthcare facility located anywhere in the world;
- Display, integrate and transmit video, audio, HD images and any other digital information necessary for diagnosis;
- Perform instant urine and blood tests
- (including blood cell counts and cardiac enzymes);
- Real-time ECG tracking, printing or transmission;
- Perform ultrasound and X-rays;
- Access hospital databases referring to the treated patient.



MOBILE HOSPITAL

It consists of a mobile hospital trailer made with newly designed composite wall panels in compliance with the EU fire testing requirements, which allows for the availability of 24 beds in 8 large expandable trailers fully equipped for healthcare and telemedicine.



THE AIR AMBULANCE

Solution for the urgent transfer of patients, by means of aircraft equipped for health care and telemedicine.



SMART GLASSES FOR AUGMENTED REALITY

This type of glasses has been specially designed for health professionals in order to make their work more effective and safe even in infectious disease wards through an augmented reality vision and the possibility of connection for telemedicine. It is used in healthcare facilities in general, including airports, ports and railways.



[Video demo 1](#)

[Video demo 2](#)



DETECTION OF METALLIC OBJECTS FOR THE MEDICAL CLINIC

The system in a fixed position allows the detection of the presence of metallic material that could be worn by a patient who must undergo an MRI scan.

Easy to install and use, its indispensability is evident to avoid serious accidents during the clinical examination.

Comply with international quality standards ISO 9001.



MEDICAL DEVICE FOR SKIN CARE

The product consists of a gel to be applied on the portion of injured skin, which forms a second biological protective skin, accelerating the regeneration process (burns, bruises, stretching, flaking ... etc.).

It is totally organic, adheres well to the skin, no bandage is required, it is elastic, breathable and waterproof.

It prevents skin maceration and it is possible to wear clothing on the treated body parts,

Treatment of wounds and burns

A disruptive force in the treatment of infected wounds, the control of inflammation and the stimulation of wound healing.



Video
demo



All systems can be integrated with each other and can be customized according to customer needs.

As you can see, most of the systems allow for the detection of data, with the possibility of remote integration and transmission for correct mission planning and risk assessment.

The company specializes in video systems and transmission.

Thank You !



SECURITY
INTELLIGENCE
DEFENSE

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