



TEMPESTINI
BROADCAST | MILITARY | SECURITY | ICT
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Defense & Safety
Intelligence
Military & Medical Gear
Training
Broadcast
ICT

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TEMPESTINI
BROADCAST | MILITARY | SECURITY | ICT
your global partner

SECURITY SOLUTIONS

Company profile

Tempestini was founded in Rome in 1983

During the 33 years of experience the company has been active in the EMEA and APAC regions by means of an international network of agents.

Key factors

1. Audio, video and data transmission, distribution and management systems, from mobile platform on land, air and water;
1. Constant analysis process of the security market evolution, selecting the most performing products, systems and solutions;
2. Customer oriented approach resulting in the customization and integration capability to fulfill the specific requirements.

Some References

National

- Carabinieri , Italian Army, Navy, Airforce, Ministry of Interior, Custom Police, Prison Police , Civil Protection, Research and development Institutes

International

- Nato Airforce headquarter
- Portugal Police Special Force departments and Gendarmerie
- U.A.E. Ministry of Interior

International exhibitions attendance

- Eurosatory
- Idex
- Milipol

Index

- CCTV City Security: 360° Surveillance, Access Control, Road Safety, etc.
- Force Protection : Buildings, Ports, Airports, Oil Gas Platform and Pipeline.
- Cyber security Bank, Government....
- Civil protection solutions
- Special forces : Vip people , Sniper, NBCR, EOD
- Special Equipment for people and vehicle
- Vehicle unmanned and manned Air, Land and Sea
- Communication Solutions
- Military Systems
- Border Control
- Investigation systems
- Countermeasures
- Prison Solutions
- Training: Live and Virtual Solutions
- Medical: Exoskeleton, Injured people Tracking

CCTV City Security

- **TMPSYS-On360 - *Multimedia Innovative Platform* for 360° Surveillance**
- **ROAD SAFETY DIVISION**
 - **TMPSYS Access control - Vehicle monitoring and recognition**
 - **TMPSYS-VS23 - Automatic and real-time detection of overtaking**
- **TMPSYS Intelligent Public Lighting Control**

TMPSYS-On360 - *Multimedia Innovative Platform* for 360° Surveillance

Innovation Technology

The project is simple and revolutionary at the same time: reinventing the concept of how to use the video content, both on the Internet platform and on the "classic" television signals; DTV Digital Television and satellite.

This is made possible thanks to a new technology that will revolutionize the way people will use to capture and share the important moments of our lives, sports, events, no longer with a small angle of view, but at 360°.

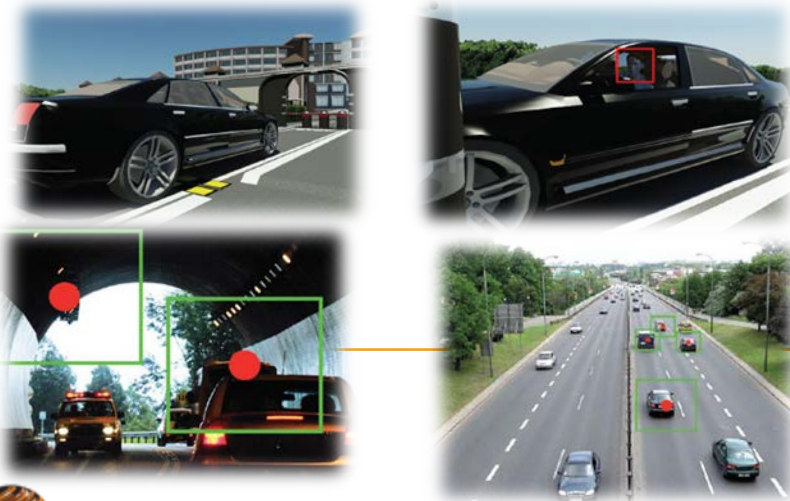
Thanks to this innovative technology we will not lose any more detail of what is around us, as if we are present at the event but remotely, with the opportunity to observe where we want, each one of us in a different and personal angle.



ROAD SAFETY DIVISION

TMPSYS Access control - Vehicle monitoring and recognition

It is a software platform for Video Knowledge Management, GIADA Platform extracts in auto mode and in real-time the meaning present within a video stream, produces rules of operation dynamics which in turn give life to a plurality of processes in order to define the rules of constructability systems Intelligent analysis of the scene



Automatic and real-time detection of overtaking and red-light passing

The solution called "TMPSYS-VS23" is a product for the control and the automatic and real-time detection of overtaking not permitted by the rules of the road, in absence and without the direct intervention of the traffic police (Law 01/08/2002, No. 168 - Ministry of Transport Decree of Approval No. 5188 of 21.10.2011 | Ministry of Economic Development – Italian Patent and Trademark Office, Industrial Invention Patent No. 01375317 of 07.06.2010).

The offenses detected by the system TMPSYS-VS23 are equivalent to those found directly across the street from an operator of public safety.

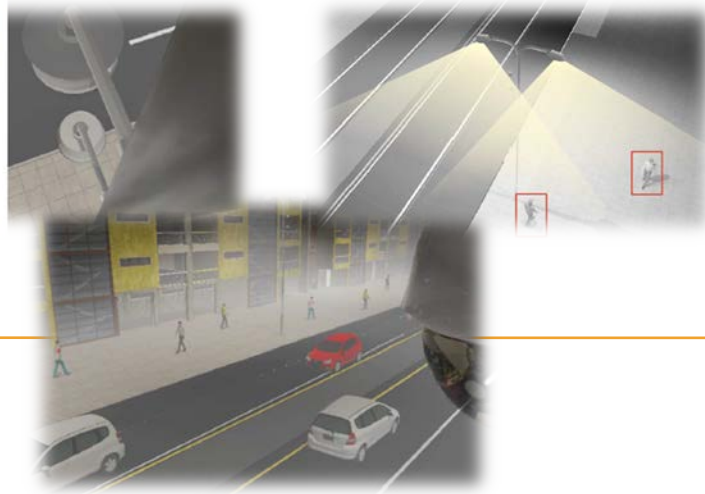


TMPSYS Intelligent Public Lighting Control

The aim of this solution consists to optimize and reduce waste derived from a bad management of public lighting through the realization of intelligent lighting circuits able to ensure consumption savings.

The system, through automatically and in real time intelligent analysis, processes and interprets the video stream from each device mounted on lampposts or other public structures designed to generate public lighting.

Installation IP Camera 180° and DOME Camera on lamp post fixed



Force Protection: integrated solution for

Building, port, airport, oil gas pipeline and offshore platform, city urban .

- System to control people truck, cars, ships, plane
- Explosive detection at distance
- Under vehicle inspection and number plate recognition
- Automatic Plate container recognition
- X-ray scanner for vehicle, truck, container, plane
- Long Range sensor radar,
- Perimetral Passive sensor, magnetic seismic,
- Under-water control
- Buoy for platform and to control sea
- Urban Patrol



**Sniffer Laser Technology,
without consumable material**



Identification of explosives



X-ray control for parcel control , people control, bags control



Water bottle control

Passive standoff concealed object detection system

- people screening solution,
- operating at distances of 3m - 10m.
- passive real-time detection
- safe and non-invasive option for multiple screening applications.

☐ System delivers high detection rates for materials such as metals,

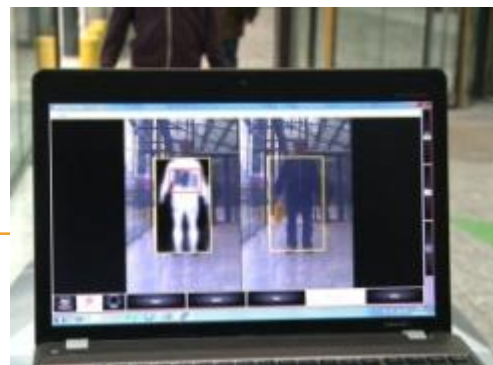
☐ plastics,

☐ ceramics,

☐ liquids,

☐ gels

☐ powders.



Software

Giada Platform Enterprise

- **Checking out baggages**
- **Objects abandonment**
- **Crossing**
- **Not allowed areas**
- **Smoke detection**
- **Access control**
- **Face recognition**
- **Baggages area control**
- **People aggregation**
- **Perimeter control**
- **check-in area control**
- **Airport outside areas control**
- **Fire prevention**

TRACKING-OUT BAGGAGES

The Video Knowledge Management service for Tracking out-baggages allows you to track and monitor the entire management process of each luggage, from the check-in stage to the physical time of the shipment of the same luggage on an aircraft.



CHECK POINT SENSIBLE AREAS SECURITY

- Possibility to take multiple images of vehicles,
- retrieve the relevant plate number and alert staff on vehicles
- Stores all information relevant to traffic movement,
- Streaming infrastructure to communicate in TCP/IP environment to remote sites over LAN, WAN, wireless.
- Possibility to operate with a remote control and send SMS, Text messages to mobile phones.
- Speeding vehicles' plate recognition (200KpH) and 24HR/365 day operation.



Automatic container code recognition

Key features

- High recognition rate
- Easy and fast integration (SDK)
- Fast recognition
- Recognition from several images of the same container
- Recognize horizontal and vertical text, two or three row codes

Typical application environments

- Automation of airport and harbor logistics
- Border control management
- Container surveillance systems
- Inventory management



Car Scanning System

Is a drive thru x-ray scanner to screen occupied cars, minibuses and vans.

It assists security operators in identifying the presence of hidden people and smuggling items, such as weapons, explosives and narcotics.



Truck Scanning System

Drive thru x-ray scanner to screen occupied Big and small Truck, Buses;

Identifying the presence of hidden people and smuggling items, such as weapons, explosives and narcotics.



X-Ray Scanner for plane

Unique solution to scan in minutes the fuselage and wings as complete inspection and assessment of damages of an helicopter or airplane.



Distance Scanner for explosive

Advantages and Benefits

- Real-time stand-off, long range explosive detection
- Ideal solution for IED, Vehicle, Suspicious Baggage, Checkpoint security
- Allows crew to remain at safe distance from the IED.
- Day-Night operation
- Can detect a wide range of commonly known explosives
- Detects improvised, "home-made" explosives
- Detection with ~10 secs (on a 10cm x 10 cm area)
- Low False-Negative and False-Positive results
- to detect **chemical agents and illicit drugs**



FORCE PROTECTION – LONGE RANGE MULTISENSOR

- Surveillance platform,
- Interoperable cameras and multiple lenses to enable observers to rapidly locate, recognize and assess targets
- Used in conjunction with the high-resolution controller and DVR, the system offers a fully integrated solution for rugged multi-functional surveillance.



25 Km



VIDEO ANALYSIS IMAGE SOFTWARE

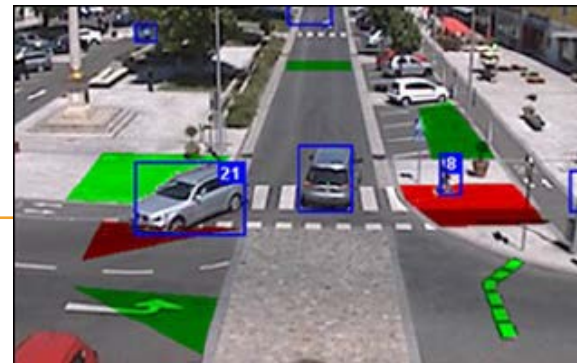
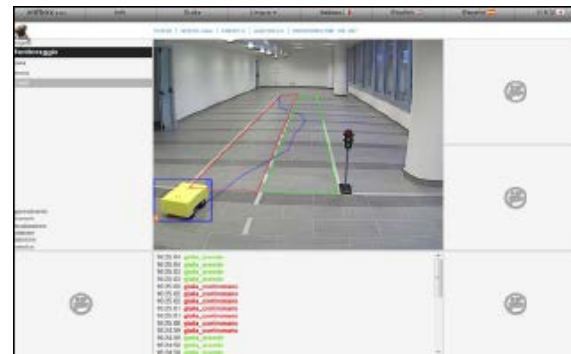
A new technology...

Customized on request Aimed at supporting the decision-making process (in Command and Control systems), at analyzing the scene and at monitoring the environment.

Through the analysis of the dynamics of the scene the System understands the alterations, it recognizes their meaning and provides adequate responses based on pre-programmed conditions.

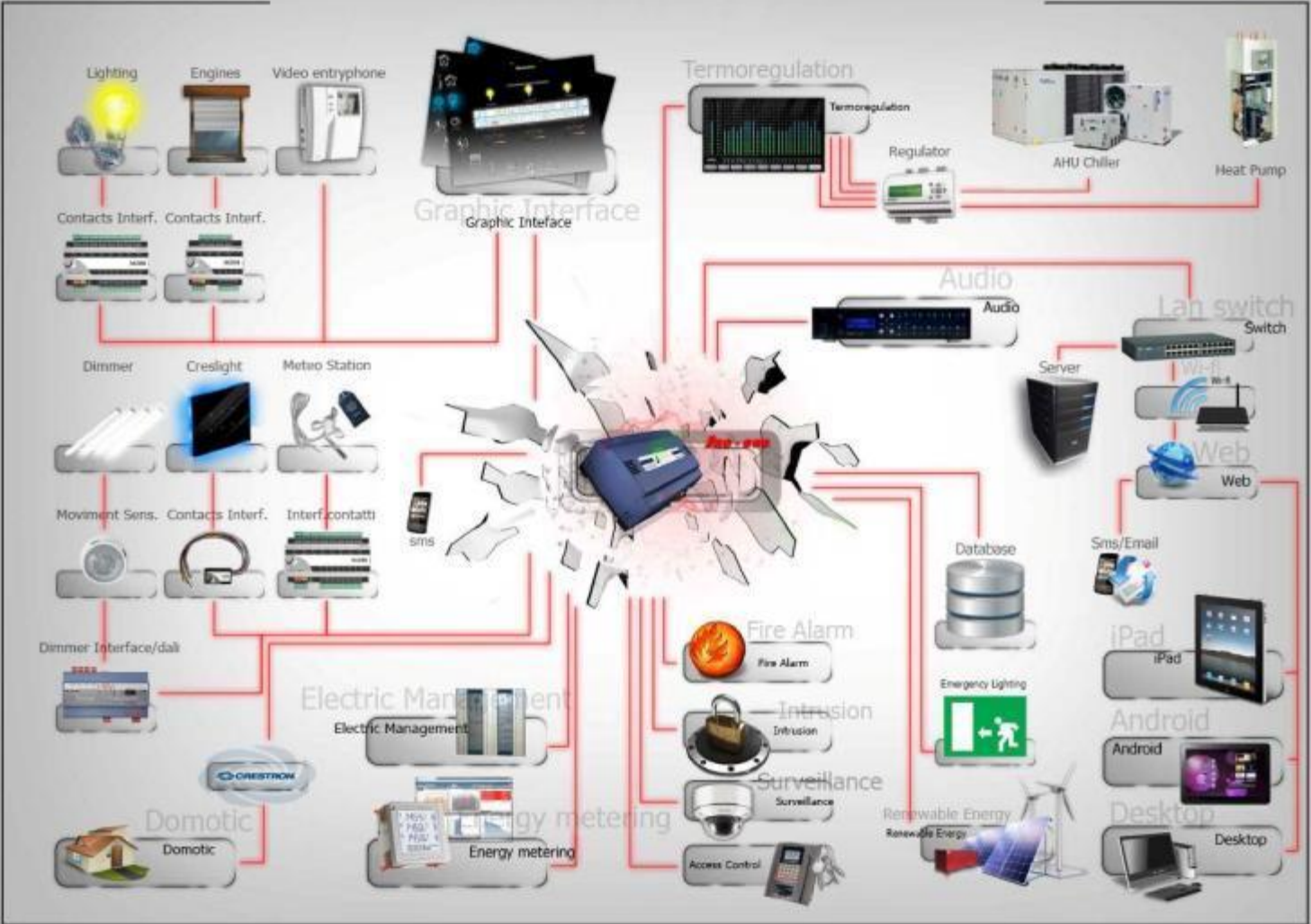
- Analysis of the functionalities
- Customized projects
- Programming of the scene
- Technical support
- SW maintenance
- Events management
- 24/7 Control Room

TRACKING AND CLASSIFYING MOVING TARGETS





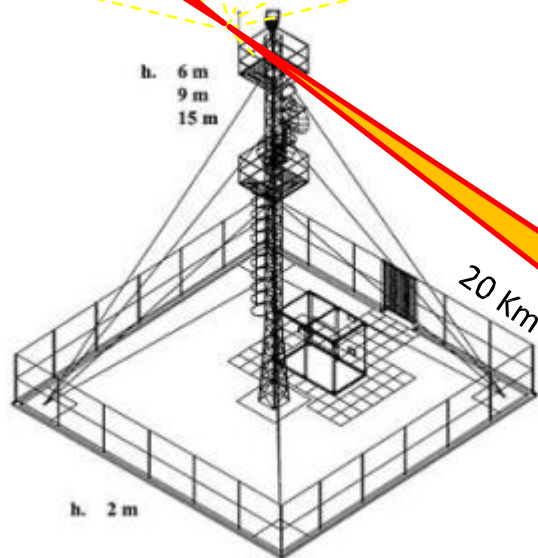
Building Management Systems



COMMAND CONTROL ROOM



Medium Defense - EO/IR/LRF/RST.



Control System and object/threat verification

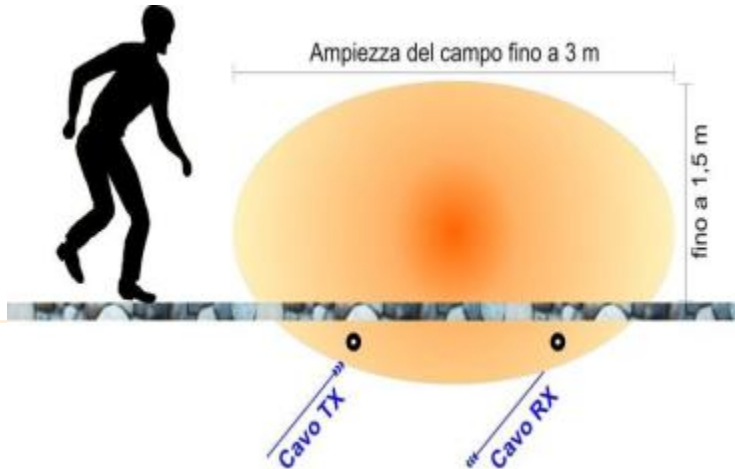
Tower with integrated electronic conveyor platform composed by:

- Camera / Night Camera.
- Thermal Camera.
- Laser Range Finder.
- Weather Station.
- NBC Radars.
- Passive Land Radars.

FORCE PROTECTION – PASSIVE SENSOR AREA

MAGNETIC SENSOR:

Detects alterations brought by a person, a vehicle, an electro-magnetic field. Its operational capacity remains constant with whatsoever type of soil, sand, asphalt, cement, etc. as long as depth of positioning is properly evaluated.



SISMIC/ ACOUSTIC SENSORS:

The use of seismic/acoustic sensors has become irreplaceable for all circumstances in which civil obstacles (urban environment) or natural ones (trees, bushes, etc.), make it difficult to have a clear visual range and limit the response to short-range potential threats.

These sensors can determine locations, and positioned in the direction of the threat, they can determine distance and origin.

Within the sensor, there are a seismic transducer, a signal processor, a transmission system. The sensor is completely automatic and enabled by a connection with a charger.

BARRIER FENCE SAFETY SOLUTIONS

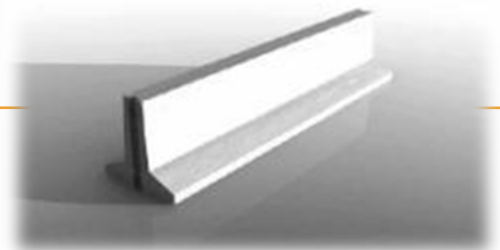
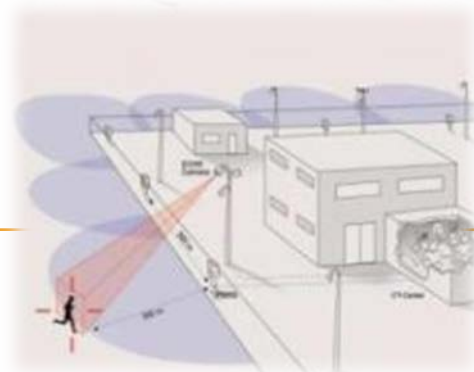
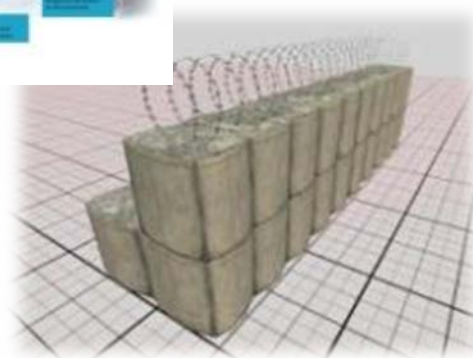
PERIMETRAL DEFENSE WILL BE IMPLEMENTED ACCORDINGLY TO THE SOIL AND THE SPECIFIC REQUIREMENTS OF THE SITE WITH SYSTEMS OF PASSIVE PROTECTION SUPPLEMENTS.

Multiple video recording points with multiple Technologies:

Set up on stakes located along the perimeter and composed by:

- PTZ cameras with high resolution zoom.
- Short Range Thermal Cameras.

- **Sensor devices and electronics** integrated into the fence design to reduce installation and integration costs.
- The fence is ready to pipe in all electric and communication wires from origin to avoid additional channeling on site.
- Sensor devices are camouflaged and hidden in the actual fence.



OPEN SEA CAPABILITY - ANTI-INTRUSION and DETECTION MARINE PLATFORM - MARINE DATA COLLECTION BUOY

Sea Surface Radar Range: 20 nml - 37 Km - Radar range adjustable in relation to needs.

Output: 4 Kw - Digital Output 8 Color resolution - Radome antenna

Communication and Control Range. Thuraya Satellite System Coverage

Military Users: Thuraya Commander Systems

Civil Users: Thuraya Seagull System

Infrared Search Camera: Pan & Tilt mounting

APPLICATIONS.

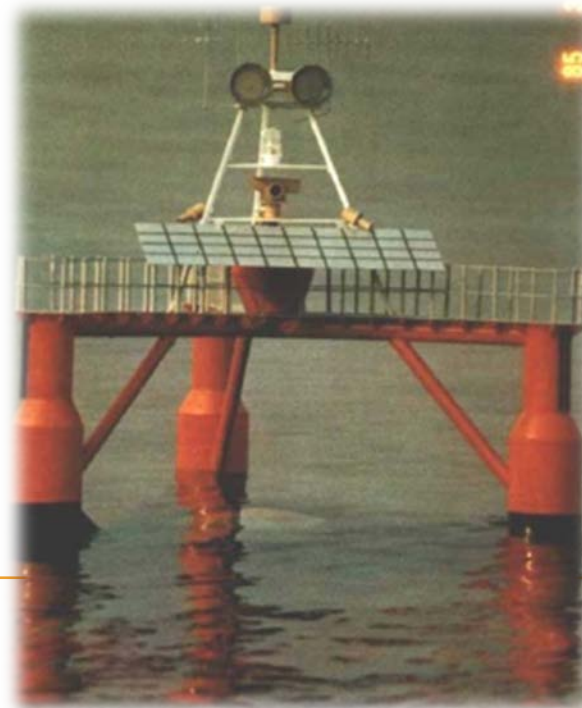
All maritime IALA operations.

Combined cardinal & lateral buoyage system.

Water monitoring

Intrusion's detection

Traffic control



Anti-Drone / Quadcopter / UAV Jamming system

The main Objective is to jam civilian **Drone/Quadcopter/UAV communication** in order to prevent infiltrating sensitive location, secured compounds, Military bases and etc, or in order to protect a V.I.P against armful attack carried out by those systems.

System can recognize uav at 6-8 km
by Radar at 360°

With Cameras also at 360°

Jammer and all device integrated to
analyze neutralize and control also UAV



URBAN PATROL



Field of view: open field
500 m vehicle plate detection
100 m crowd detection
130 m facial recognition
LTE (4G) connection as communication cloud
Gsm communication back-up
3 months autonomy



A system of Guardian can be used to patrol a large urban area where quick deployment and communication back up are needed.

The system can be easily located and moved according to the mission needs and changes.

Any Urban vehicle can tow it on a trailer. A small and compact pick-up vehicle can easily integrate it on the loading plan.

The system will work as a **situational awareness system and as communication channel and back up:**

1. Thanks to a sophisticated video analysis system every deployed unit will be able to give a **full situation description and analysis.**





CYBER SECURITY

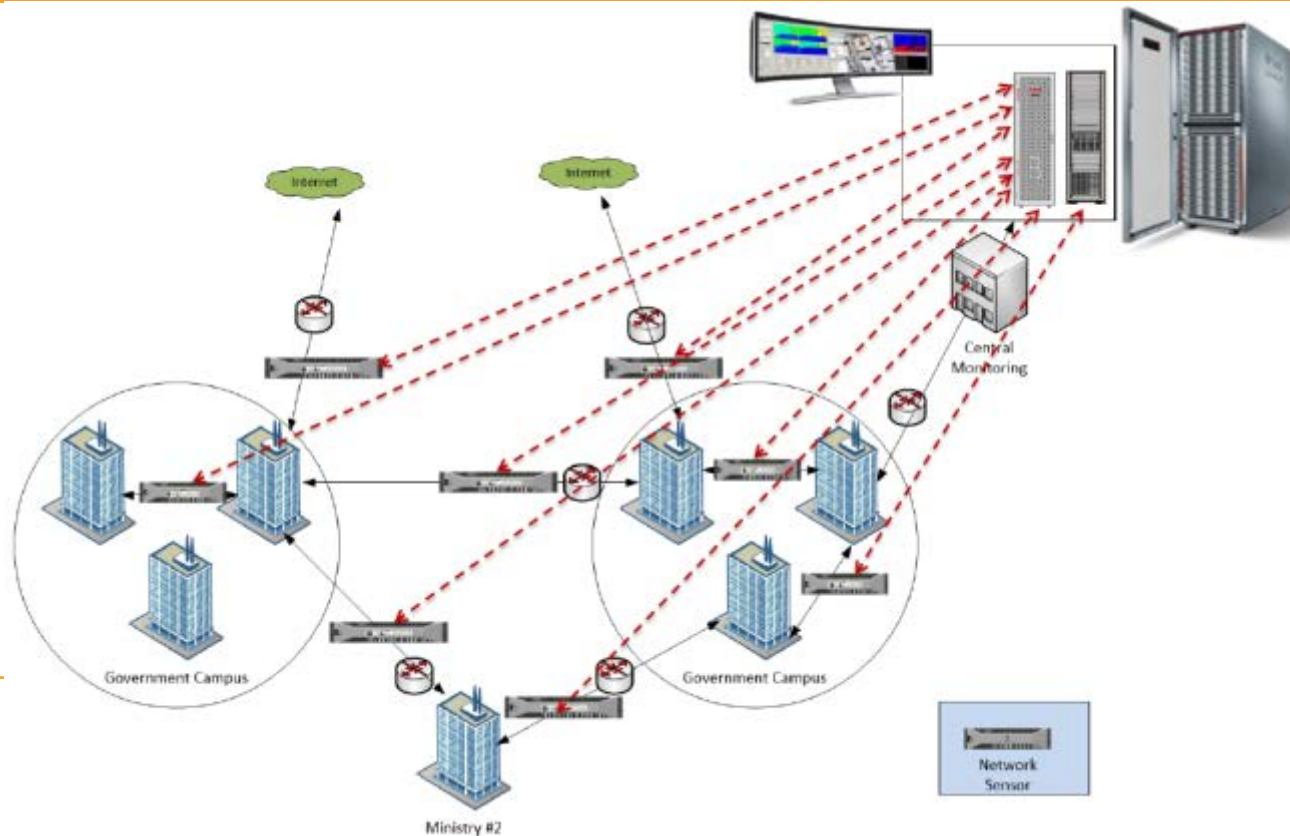
Use case: Government network

Cyber Threat Sources

- National Governments
- Terrorists
- Industrial Spies and Organized Crime Groups
- Hacktivists
- Hackers

The Solution

Implement internal and external Monitoring System and establish 24-hour-a-day incident monitoring



Over 600 Recognized protocols and applications by
signature/behavior

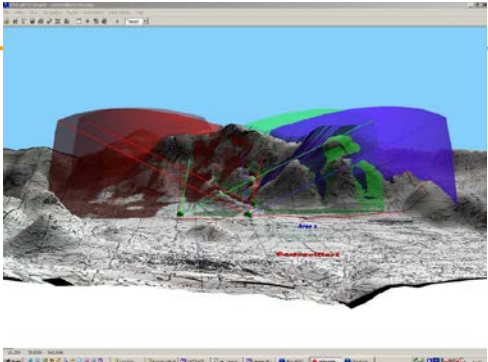
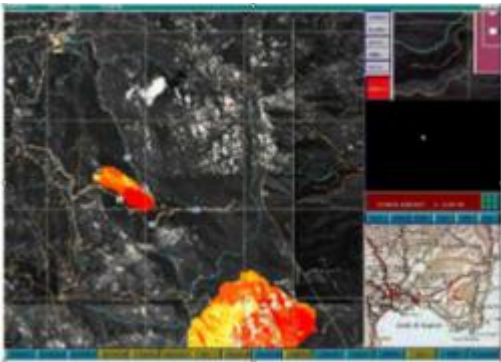
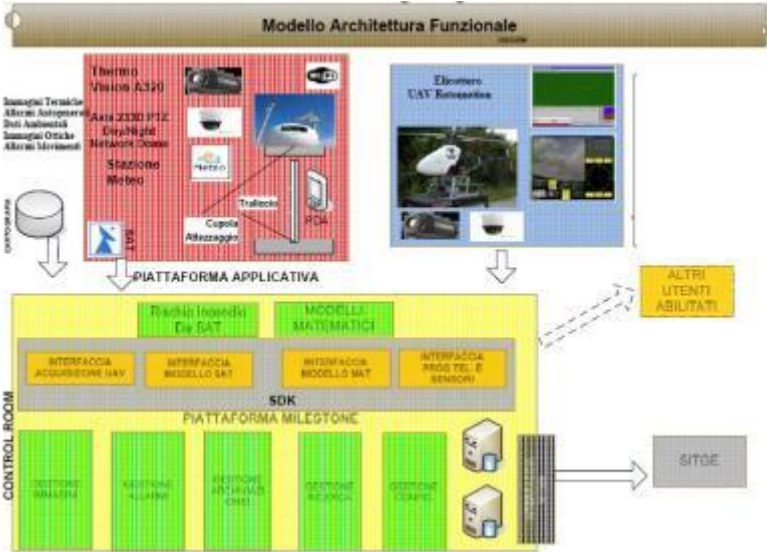


CIVIL PROTECTION

- Fire prevention
- Fire barrier
- system to localize survivor
- Emergency communication for disaster situation
- Mobile Hospital

Fire prevention solutions

System to prevent fire, two hours in advance and to manage the necessary actions



Fire prevention solutions
With 3d maps presentation , and mathematical models to analyze data coming from sensors



TMP-Fire-Barrier

- Fire-guard effect

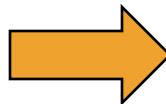
- Preventing in critical forest, industrial and residential areas.
- Fire guards
- Fire Control
- Fire extinguishing

TMP-Fire-Barrier's application zone

- Application with fire-engine for a real contention test



Effective barrier
to
advance of fire



TMPSYS-PeopleSaver – Support for Life Saving Operations

TMPSYS People Saver – EMERGENCY COMMUNICATOR

- tools to communicate with survivors
- localize them
- as well as the capability to quickly implement independent mobile phone network, including connectivity to remote support bases



SPECIAL FORCES

- **Sniper Management System**
- **EOD Improvised Explosive** Ordinance Disposal
- **NBC Nuclear Biological Chemical systems**
- **VIP People Solutions**

SNIPER SYSTEM

The SNIPER MANAGEMENT SYSTEM

- fire control system for snipers' rifles to manage a synchronized fire.
- Also for grenade and rocket launchers
- Permits to the commander remotely to see the image coming from the riflescope of the sniper



POLICE EQUIPMENT EOD

Explosive Ordnance Disposal



NBCR sensor , equipment , unmanned vehicle , UAV without Radiation Emission *Detection & Monitoring*

- Extended measurement range from the target area to command post
- Rapid response to radiological material
- Variable alarm threshold
- Rugged, lightweight, modular design
- Excellent reliability for extended deployment
- Remotely management



Jamming System for VIP Convoy and body armour vehicle complete

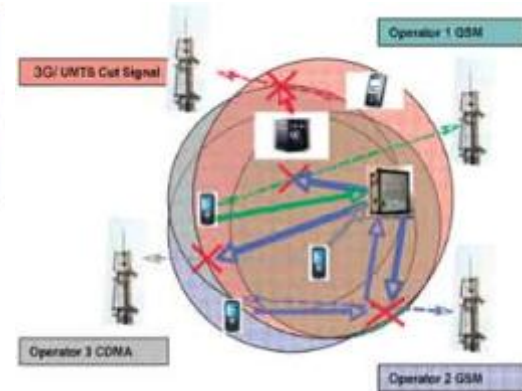


Protecting VIPs from the threat of roadside bombs (IEDs or RCIEDs) has become a top priority for Governments and VIP Security Agencies internationally.

The TMP-JAM-V delivers the most effective mobile RCIED neutralization, camouflaged inside a choice of several different luxury type vehicles.

Special Jammers that permit to a “white list” to continue to operate

System (GSM, 3G/ UMTS, CDMA) Selective Cellular Jamming System



Special equipment for people and vehicle

- Mask
- Public order
- Non lethal defence systems
- Body Armor
- Helmets
- Night vision
- Google Thermal cameras
- Break Through Kits

Non Lethal Defence Systems

POLICE PROTECTIVE Uniform

GAS MASKS

NIGHT VISION DEVICES

SHIELDS



Body Armour very light less than 1 kg.



Tear Gas Fog Ejector and pepper spray



Armor Shield suitable for glass application on board vehicles, ships, helicopters

Armor and Ballistic resistance film and shield, you can turn your existing door / window glass into BALLISTIC level. Protects you and your belonging from Bullet, Explosion, Robbery, Hijack, Smash, Flying stone, Petrol Bomb, etc.



It is developed under a very unique design with pro advantages as below:

- Very light - about 3,5kg only for one door
- Flexible, Bendable
- Water resistance
- Hard to ignite
- Easy to cut with hardware equipment (grinder)
- Easy to install - within 30 mins for one door
- Does not affect vehicle door design, no modification required.



Break Through Kits

We believe that fast response, movability, and convenient action are major elements that enable the security and rescue forces to perform their tasks.

Therefore, we continue, to provide the Break Through Kit we manufacture and design lighter and more compact kits to meet operational requirements. Our mission is to enable you to Save Life and Enforce Security.



VEHICLE

- Sea, Land, Air vehicle
- Manned
- Unmanned
- Custom vehicle installations

Light Multipurpose Helicopters sea and land vehicle new and second hand

Special cable installation inside helicopters



HELICOPTER VERSATILITY

Being a multipurpose helicopter, with the help of quick-detachable equipment can be promptly reconfigured for carrying out a wide range of tasks:

- loads transportation
- passengers transportation
- search-and-rescue operations
- patrolling
- fire-fighting
- medical evacuation



ISTAR INSTALLATION ON BOARD VEHICLES

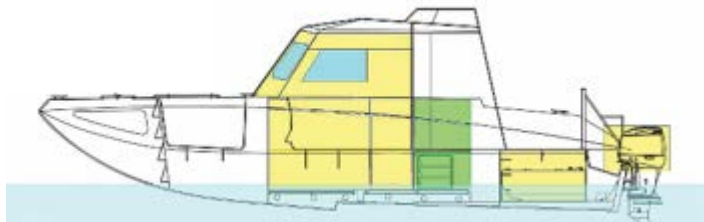


AMBULANCE - CIVIL AND MILITARY HELIAMBULANCE , NEW AND USED

Chassis in NATO service
Level of protection: according STANAG 4569
MINE protection
Suitable for civil and military purposes
Crew of 3 +1
Various medical equipment options
Excellent off-road capability
Turning circle <13M
Proven reliability in all climatic zones
COTS - COMMERCIAL OF THE SHELF
max speed >120 km/h



Armored protection solutions based on customer requirements suitable for Vehicles, Boats , Aircrafts and Helicopters.



Vehicle : “RAIDER 11” MILITARY LIGHT Wheeled MULTIROLE PLATFORM

- Reliability;
- Modularity;
- Mobility;
- Flexibility;
- Lower part costs of exercise;
- Easy maintenances and reparations;
- Electronic apparatuses of support to the operator;
- Integration commands posts operational to all the levels;
- Interoperability with all the unities to national and international level.



Unmanned Sea Vehicle PORT CONTROL«JAWS 21»

OPERATIVE MISSIONS:

- Maritime surveillance;
- Port and Coastal defense;
- Anti-smuggling;
- Immigration law enforcement;
- Search and rescue operations;
- Crime prevention;
- Anti-piracy;
- Fisheries inspection;



USV PORT CONTROL «JAWS 21»

CONFIGURATION:

- FULLY EQUIPPED BOAT;
- COMMAND CONTROL C4I;
- WEAPONS AND MACHINE GUN;
- SEA RADAR;
- EO/IR/LRF PLATFORM;
- SONAR;
- PASSIVE SENSOR;
- ECM-ECCM SENSOR;



Unmanned Air Vehicle NAUTILUS 11 - ETF «Electrical Twin Flyers»

APPLICATION

- Observation and Tactical Recognize;
- Surveillances and Target Acquisition;
- Border Line and area control;
- Law enforcement;
- Clandestine immigration zone;
- Maritime traffic control;
- Arial cinematography news and TV media;
- **Flight for 20 days and payload 100 kg**

CONTROL STATION FEATURES

- NATO compliant ACEIII type shelter;
- STANAG 4586 compliant;
- Redundant command and control consoles;
- Mission planning, management, simulation and playback capabilities;
- User-friendly MMI;
- External C4I Interfaces;



UAV360 with omni-directional camera that records 360° videos

UAV360

The first product is a small size and low weight helicopter, 17 Cm to 160 gr., its payload, integrated into the body is a mini omnidirectional camera with two lenses, able to shot spherical videos of the surrounding area and a front thermal camera.

Particularly suitable for forensic analysis where this small size flying object, able to shot spherical videos of the surrounding will not mark up of the crime scene.



CUSTOM VEHICLE INSTALLATIONS COVERT AND OVERT SOLUTIONS

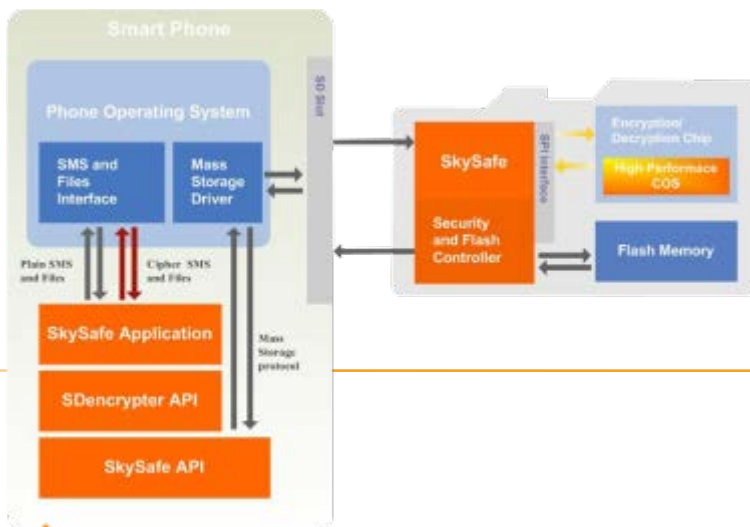


COMMUNICATION SOLUTIONS

- **Cripto technologies**
- **Antenna satellite on movement for vehicule, ship and aircraft**
- **Audio and video communication system, on mobile vehicles connected (NLOS and LOS) to the central unit**
- **Fast civil communication in area not covered, by Ballon**

ENCRYPTED MOBILE PHONE COMMUNICATION MICRO SD CARD

Card provides you with supreme point-to-point voice encryption. You can exempt the doubt of being tapped through hardware encryption technology.



NEW



Military Grade Mobile Phone Voice Encryption MicroSD

Communication solutions

Satellite Bidirectional VSAT Transmission

1-Way and 2-Way In-motion Satellite Communication

Mobile satellite antennas fixed parabolic antennas and mounted on a vehicle platform.

Obsolete technology do not adapt well to in-motion satellite communication.

satellite antenna and developing motion-conductive technology, low-profile satellite antenna that provides automatic and autonomous operation while the vehicle is in motion.

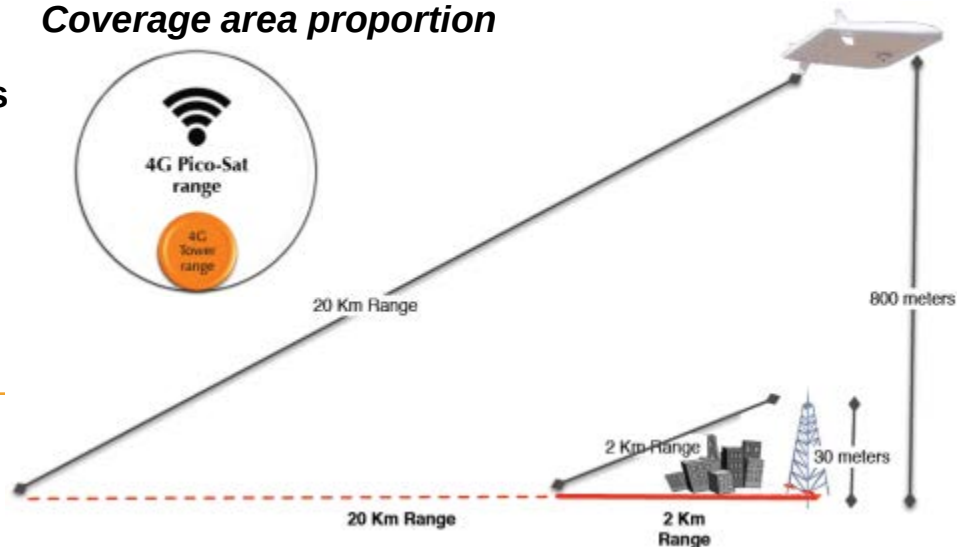


Fast civil communication in area not covered, by Ballon 4G P-Sat 1200 telephone line and pay tv by in a fast way

- P-Sat provides a perfect **combination of Satellite Technology and 4G Lte mobile network service**
- generates a **cost-effective and efficient solution for areas without 4G coverage**

Coverage area proportion

- The 4G P-Sat provides **full IP, voice, web access and TV services at up to 47Mbit/sec** with
- The 4G P-Sat **covers more than 60x the area** covered by the standard telecom tower in which the mobile device can connect to the Base Transceiver Station (BTS)
- The 4G P-Sat can reach 800m altitude compared to 30m of the towered 4G BTS





**Audio and video communication system,
on mobile vehicles connected (NLOS and LOS)
to the central unit**

BORDER CONTROL

- ISTAR Vehicle System
- Long range interceptor
- Border patrol

ISTAR VEHICLE SYSTEM

MAIN CHARACTERISTIC

- Operational every time;
- Easy installation and maintenance;
- Light and portable;
- Modular of the tactical and technological demands;
- Combat net radio HF/VHF/UHF;
- Digital maps zone of operations;



SOFTWARE CONSOLE

- Operating System: WINDOWS - LINUX;
- GIS: ERDAS Imagine - Post/Quantum GIS;
- Digital Map "Raster and Vector";
- DTED "Digital Terrain Elevation Data"
- Library Symbol;
- Format Standard Message;
- Interoperability C4I.



12Km



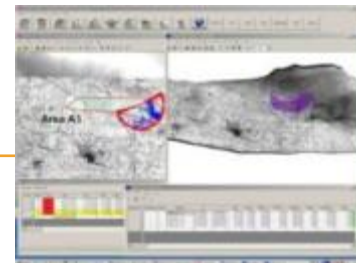
15Km



18Km



20Km



LONG RANGE INTERCEPTION



This is a reliable system providing a tactical solution for extracting IMSI and IMEI identities for cell phones operating in 2G (GSM) and 3G (UMTS) at a distance of 120 km and localize people .

Operational and tested equipment

BORDER PATROL

360° field of view

20Km vehicle detection

5Km man crawling detection

5Km P2P link between each unit for CCTV (video and data)

MATRIX as portable CR w

satellite connection to the HQ

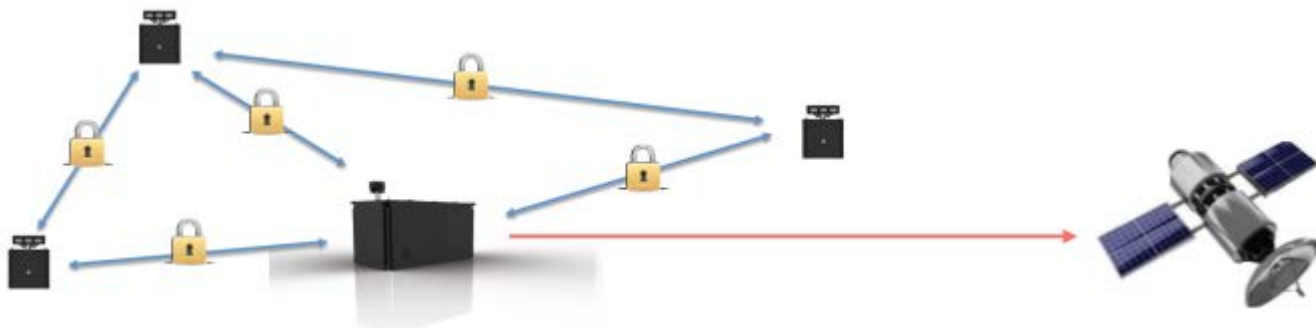
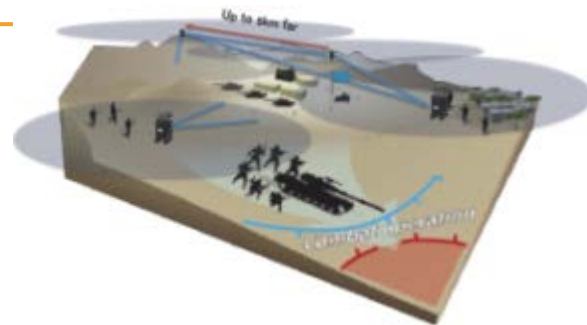
Entire system autonomy: **10 months**

Operational range: **-20/+60°**

to patrol a large area where quick deployment and communication are needed.

Can communicate directly to the control room (unicast) or through another device (point to point) or create a local and encrypted cloud managed by a portable control room, the MATRIX, which will be the only link to the headquarter.

Permit to track and surveil the entire scenario and all subjects "friends and not" involved during the operation (geolocation LAT/LON, grid map position, vehicle or human identification) and then share the information with the Network when desired (real time or mission recording) through an encrypted communication protocol



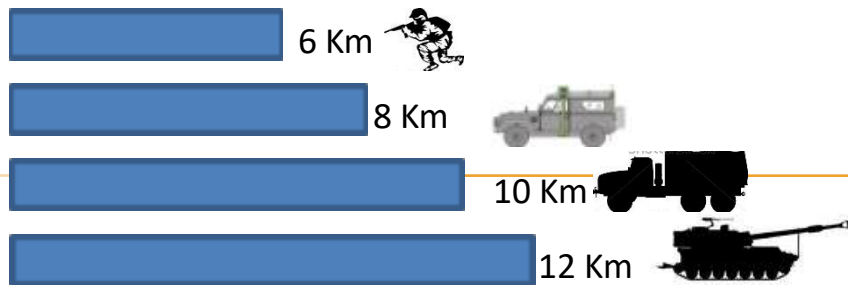
MILITARY SURVEILLANCE

- TARGET ACQUISITION STATION
- Perimeter wireless control
- Remote control firing systems

TARGET ACQUISITION STATION

PERFORMANCES

- Operational every time;
- Easy installation and maintenance;
- Light and portable;
- Modular of the tactical and technological demands;
- Combat net radio HF/VHF/UHF;
- Digital maps zone of operations.



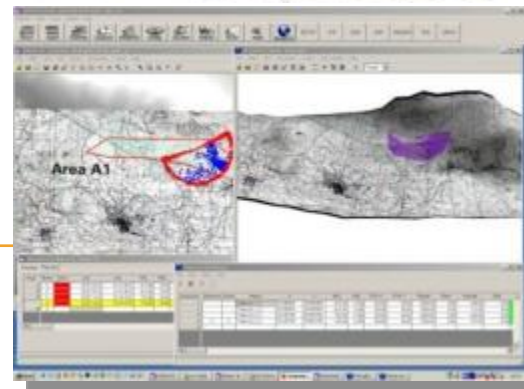
TARGET ACQUISITION STATION- GROUND CONTROL STATION

HARDWARE GCS

- CPU: Intel I7;
- RAM: 16 GB;
- SSD: 512 GB;
- DISPLAY: 10" LED, opt. Touch screen;
- KEYBOARD: Backlight 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 - Post/Quantum GIS;
- Digital Map "Raster and Vector";
- DTED "Digital Terrain Elevation Data"
- Library Symbol;
- Format Standard Message;
- Interoperability C4I



PASSIVE SENSOR «COMPOUND 11»

The compound 11 system, mobile force protection system, based on its worldwide unique Acoustic Vector Sensor (AVS) technology, provides a true multi-threat hostile fire localization capability against Small Arms Fire (SAF) and Rockets, Artillery and Mortars (RAM).

The force protection system can be used for large protected bases (i.e. full-scale compounds) but also smaller scale bases (FOBs, COPs) that require shot detection capability. The system is fully scalable and can be integrated with existing command & control systems. The force protection system can locate SAF up to 1 km range and indirect fire up to 6km range.



Fire Remote System



Investigation Systems

- **Directional Microphone**
- **3G and 4LTE interceptor**
- **People localizer**
- **Microcameras and GPS**

Tactical Microphone Array Tactical Audio & Video System

FEATURES:

Record Audio and Video covertly

- Record video and all audio channels during mission or deploy the self-contained array in advance and start recording later.

Rapid recording

- Simply power up the system with the attached battery and start recording to the built in solid-state drive immediately.

Audio Enhancement

- Post processing tools for off-site analysis and audio enhancements of recorded files
- Playback recorded audio and video
- Audio Intensity Plot
- Export selected and audio enhanced scenes from area of interest to a standard format for media players



Passive Mobile phone 4LTE and 3G interceptor

Different configurations:

IMSI and IMEI Catcher (optional audio interceptor) for

- ✓ Vehicle installation
- ✓ tactical operation
- ✓ handheld for public locations



People Localizer : “Last Mile Positioning Device”

KEY FEATURES:

- Highly Accurate and Reliable positioning
- Superior Range and Resistance to Interference
- Covertly Operated through a Smartphone
- Geographic Detection Layers
- Line of Bearing Calculation and Display



Ultra Small Camera suitable for Low ambient Light

Performance

GPS

Audio Bugs

Feature

- Compact size
- UTC Function
- High Performance.
- Outstanding Quality!



COFDM link with miniature transmitter providing HD video quality

New 5' LCD Receiver HD. Built-in HDMI and IP for streaming video signal. Full screen displaying of all compatible cameras. Integrated remote control with feedback.

Receiver



Miniature transmitter



TMPSYS-Clip11 - The H264 Covert DigitalAudio Video Recorder

With 3G - 4G Lte and WiFi Video Streaming



- H264 Miniature DVR
- High quality stereo audio
- Micro SD memory card Support
- 3G-4G Video Streaming
- Full remote control
- Docking Station For Instant playback
- Jog and Shuttle function



Countermeasures

- **Microphone inhibitor**
- **Audio Recorder Jammer**
- **Shielded Rooms Against Electromagnetic Emission**
- **Non-linear junction detector**
- **Frequency Detector**
- **Multi purpose search device**

Microphone inhibitor

Audio Recorder Jammer

The device prevents unauthorized recording calls for the professional digital dictaphones, type EDIC-mini, Gnome, analog recorders and smartphones types iPhone, iPad.

The Jammer also prevents leakage of information via wired microphones and miniature listening transmitters. The product is camouflaged in a briefcase and can operate stationary and portable.



14 Antennas Mobile Jammer

is equipped with 14 transmitters. Each of them works creating a range of up to 70 meters, "forbidden" zone in all mobile devices.

CDMA 800: 850 to 894MHz
GSM 900: 925 to 960MHz
GSM 1800: 1,805 to 1,880MHz (DCS)
GSM 1900: 1,920 to 1,990MHz (PCS)
3G: 2,110 to 2,170MHz
GPS:1570-1580MHz
WIFI2.4G:2400-2500MHz
VHF:135-174MHz
UHF:400-470MHz
4G LTE:725-770MHZ(America Standard)
Or 790-826MHZ (European Standard)
4GWimax:2345-2400MHZ(America Standard)
Or 2620-2690MHZ (European Standard)
LOJACK 167-175MHZ



Shielded Rooms Against Electromagnetic Emission

New technology

Electronic Conductive Textile for Shielded Rooms

Advantages:

- 1) Lower costs for building and installation
- 2) Perfect pliancy to the internal conformation of the room (it permits to avoid obstacles as windows or doors)
- 3) Low maintenance
- 4) Shorter building time
- 5) It is easier to configure and eventually extend the room
- 6) Tailor-made garment on protection needs

Shileded shelter structure



Double Probing Frequency Non-linear junction detector

The non-linear junction detector is the indispensable tool for quick and reliable detection of devices containing semiconductor components. It can be used for countersurveillance search works in premises (covert transmitters identification), as well as for location of explosive devices outdoors.



RF Detector Frequency Meter

The device provides detection of:

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



ST 031M “Piranha” - Multi purpose search device

ST-031M allows us to discover the facts and determine the location of the radio-emitting devices, which creates a potentially dangerous information leakage radiation. These means primarily include the following:

- Radio microphones;
- Telephone transmitters;
- Radio-stethoscopes;
- Concealed video cameras equipped with a radio channel for transmission of information;
- Technical means or systems for spatial radio frequency radiation;
- Beacons of the systems used for moving objects monitoring (e.g. people, transportation means, goods etc.);

NEW !



Prison Solutions



Handheld Cell-phone Detector



System to identify cell that used phone or sms

- Supports up to 220 remote detectors at ranges up to 5km
- System can support different types of detectors
 - Standard Unit based on the 197 (2/3G detection)
 - Options:
 - ☐ Bluetooth and /or WiFi detector
 - ☐ Satellite phones (Thuraya and Iridium)
 - ☐ LTE – European and US options
- Applications - rapid or temporary deployments
 - Prisons – Intense monitoring of areas (intelligence reports)
 - Government events – conferences etc
 - Police surveillance operations



Audio Video Interview Recorder with forensic value

Only two buttons control recording, making it incredibly simple to use and eliminate errors. Features include three video inputs, digital signatures and recording for up to four discs simultaneously.



Bracelet Locator - *Locate to Protect for Justice*

Features:

- GSM/GPRS Quad-band 850/900/1800/1900MHz
- LCD Display for Time, Date, Speed, Direction, GeoFence and GPS
- High Sensitivity GPS for indoor & outdoor use
- Built in SPK and MIC
- Multiple GeoFence setting with In/out alert
- Security Band with Tamper Detection
- Data logger function to record thousands of waypoint and event
- Accelerometer to report impact, accident, crash, tamper intent and falling
- Real time dynamic position report based on time interval or distance travelled
- Mileage report and over-speed alert
- Phonebook & Fast dial feature
- Data Security with password protection
- Tamper Detection with real time alert
- Operation time over 40 hours with single charge of battery
- Low power mode to extend the battery life
- FCC, CE & PTCRB Certified
- Waterproof IP 67 (Optional)



TRAINING Solutions

- Live and Virtual Simulation
- Fire Fighting Training Units
- Tactical Combat Training
- Training Simulators
- Improvised Explosive
- Device (IED) Trainer

Systems in which with real fire high
2.5 meter
inert copy of all equipment for training

Systems that can produce fog and
sound like real



FOREIGN WEAPONS TRAINING KIT
(OPFOR)



INERT, SOLID REPLICAS



Air Balloon for Military Parachutist Training

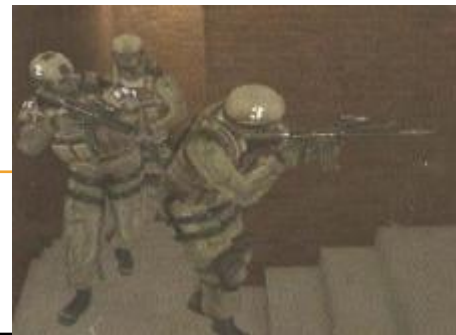


Wind Tunnels – closed circuit



Virtual-SIM Training Simulator

the most effective virtual IMMERSIVE SIMULATOR FOR LEADERSHIP, TEAM TACTICAL AND MISSION REHEARSAL TRAINING AVAILABLE TODAY!



MEDICAL

- Exoskeleton
- Injured People Tracking

EXOSKELETON

The Exoskeleton named ONIX, is a semi-active assistive robotic system that consists of a flexible torso structure coupled at the hips to long leg braces.

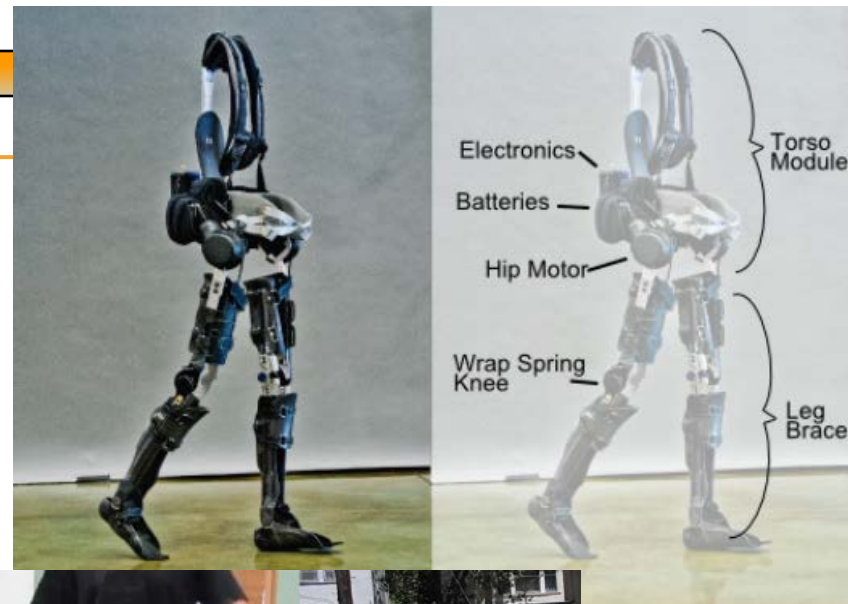
The system is developed to minimize weight while maintaining maximum manouvability.

- It helps people with total or partial deficit gait caused by various diseases:

- Traumatic events
- Degenerative deseases
- Neoplasms

- It allows to stand-up from sitting and viceversa, to walk and drive vehicle: everything in complete autonomy.

It allows to stay upright the patient (without the aid of crutches) and lets the hands free.



People Saver - Support for Life Saving Operations

TMPSYS People Saver has been designed for providing support for life saving operations in various scenarios. As such, it provides its users with the tools to communicate with survivors and locate them as well as the capability to quickly implement independent GSM network, including connectivity to remote support bases.

These features make TMPSYS People Saver a vital solution for any organization faced with the challenge of conducting life saving operations in areas that suffered destruction or disablement of the cellular infrastructure due to natural disasters (such as earthquakes and flooding) or areas without any infrastrucutre.



Positioning of Cellular Emergency Calls

KEY FEATURES:

- Highly Accurate and Reliable
- Complete Support for all Cellular Technologies and Positioning Methods
- Scalable, Modular and Robust Carrier Grade System
- Optional Integration to Last Mile Positioning Systems



As more and more emergency calls are made on cell phone, the need for a complete, high accuracy solution for positioning such calls has become evidently clear and urgent. Leveraging its expertise, experience and knowledge in cellular location technologies, This is a unified solution for accurate and reliable positioning of emergency calls, which is available for any network and any cellular technology. This cutting edge, field proven solution combines multi-dimensional cellular positioning capabilities to provide emergency services and first responders with vital, up to date information which may make the difference between life and death.

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