Homeland & Public Security

Guarantee the security of people, means and information is our sole mission

ELTGROUP
Homeland Security

ELTGROUP.NET

ELTGROUP
We do not
simply anticipate
the future

Who we are

In a fast-changing world we represent the touchstone of technological evolution thanks to our creative and timely strategic thinking and an innovative portfolio of solutions unique in its entirety.

What we do

To offer the most innovative solutions to guarantee the security of people, means and information in the most complex operational scenarios: this is our sole mission.

Our clients recognise the uniqueness of our offering: to work with us means entrusting themselves to an international company of outstanding excellence which, thanks to its Italian roots, creates bespoke solution with professionals who mould the best technologies to suit their needs.

How we do it

We invest in our people, the most important asset, to anticipate the needs of tomorrow with the ingenious of today.

ELT Group designs and develops entirely in house, and complete the supply up to the finalization of each program, including integrations and installation on board of any type of platform. We use cutting edge technologies suitable for export.

We stay close to the customer with our network of offices, granting proximity to the end users of our solutions. A full expert and skilled team is at your disposal for the satisfaction of your EW exigencies.

ELT Group is a technical partner and a preferred solution provider of the Armed Forces & Security Institutions.

// HOMELAND & PUBLIC SECURITY

Anti-Drone Interception and Neutralization

Deliver a comprehensive capability to assure public security.

ADRIAN

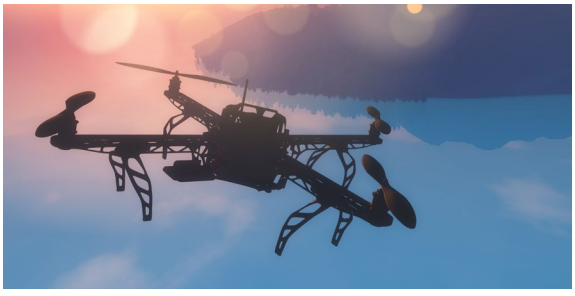
Safe Area

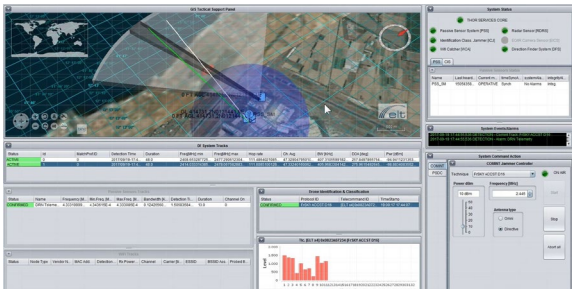
ADRIAN (Anti-Drone Interception Acquisition Neutralization) takes control of no-drone areas and assures detection, identification and appropriate reaction if becoming a potential threat.

ADRIAN is the state-of-the-art Counter-UAV solution designed to intercept and neutralize LSS (Low-Small- Slow) UAVs in multiple scenarios and environments, including deployed bases, route paths and urban areas.

ADRIAN can detect and resolve the latest problems in global security.

ADRIAN is the most complete solution available worldwide, integration 2D and 3D radar thanks to its system of systems architecture. ADRIAN is multidomain, fulfilling tasks ranging from Air Defence to Homeland Security.





ADRIAN at a glance

- Detection of very low power and Frequency Hopping Signals
- Real-time threat analysis (classification, identification, geo-location)
- Post analysis for forensic application
- UAV soft kill by countermeasure against radio control and GNSS system
- GNSS spoofing to force drone landing in a safe area
- User-friendly HMI, with immediate feedback on alarms and threat features
- External interface to central operative center
- Easy deployable and possibility to integrate on mobile vehicles

Mobile Surveillance, Observation and Operation

Mobile solutions for critical and hazard situations.

MUROS

Sensor-Based Mobile Solutions

MUROS (**MU**lti **R**ole **O**perations **S**upport) provides innovative solutions to intelligence agencies, Police departments and Criminal investigation institutions for fast and reliable support during anomalous or malicious actions.

MUROS consists of three configurations

- Muros S for mass surveillance
- Muros C for voice interception and communication
- Muros MC for mission control

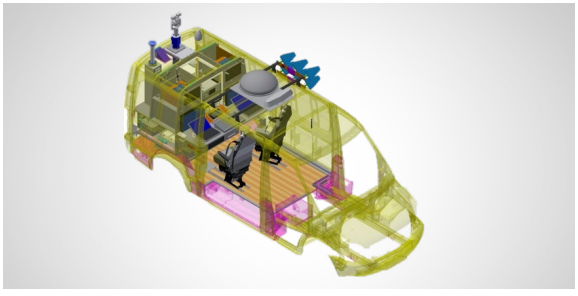
Muros supports different missions: prevention with visible installation and persecution with camouflaged installation.

All ELT Group solutions are completely customizable.

MUROS offers specific composition of sensors for

- Law Enforcement
- Urban and Border Surveillance
- Area Protection
- Camouflaged Investigations
- Forensic activities
- Proof of evidence
- Forensic activities
- Proof of evidence

ELT Group develops digitalized sensor-based vehicles by combining engineering and electromechanical installations capabilities.



Mobile Surveillance, Observation and Operation

MUROS-S Surveillance

Observe & Detect

MUROS-S Surveillance allows observation and prosecution missions by means of mobile sensors across the entire electromagnetic spectrum. It covers wide range areas with threats detection, direction finding and recognition (early alerts) as well as target tracking, observation, monitoring and documentation functions.

MUROS-S Surveillance can integrate several type of sensors, with the processing and the fusion of all the information coming from all the available sensors in order to compile the tactical picture in the Area of Interest, and carry out classification and recognition of these entities.

MUROS-S Features:

- Multi Sensor Suite on vehicles or shelters
- FMCW Radar
- RF Interception Wideband Receiver
- Daylight Camera
- Night Vision Camera
- Facial recognition algorithms
- AIS Receiver
- Maritime VHF/UHF Radios
- PCL (Passive Coherent Location) Techniques
- Powerful Data Fusion
- Intuitive user interface

MUROS-C Communication

Listen & Persecute

When the mission requires independent voice interception, MUROS-C Communication is the solution. Equipped with interception microphones, positioning cameras and beam forming algorithms for conversation capture, it can be silently deployed practically anywhere.

In addition, MUROS-C Communication solutions allow the recording and documentation of information coming from all the available sensors in order to support proof of evidence and forensic investigations.

MUROS-C offers specific composition of sensors for

- Communication interception and monitoring within urban areas
- Location and tracking
- Camouflaged Investigations

MUROS-C Features

- Multi Sensor Suite on vehicles or shelters
- Interception microphones and panels
- Positioning cameras and beamforming algorithms
- Data analysis software
- Text analysis and voice printing
- Powerful Data Fusion
- Intuitive user interface

Mobile Surveillance, Observation and Operation

MUROS-MC Mission Control

Master & Command

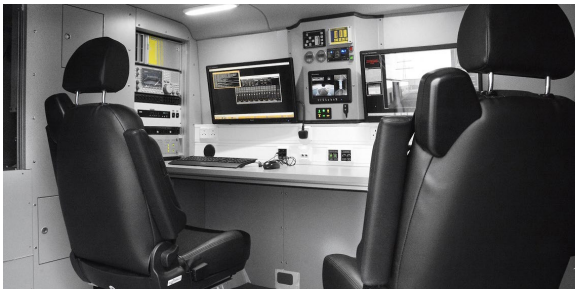
MUROS-MC Mission Control is the “power house” of the decision makers of the surveillance mission. It is equipped with ergonomic workplaces, power support systems for autonomous work, central control system, air conditioning and telephone and radio links, offering a unique centrally integrated capability to manage the action.

MUROS-MC offers

- Communication and documentation devices
- Mobile working spaces
- Camouflaged Investigations

MUROS-MC Features

- Mobile ergonomic working spaces in vehicles or shelters
- Power support systems (batteries, generator, power plug) for autonomous work
- Central Control System
- Additional Air Conditioning
- Telephone, Fax, VPN System
- Independent Radio Links
- Presentation area with video devices, white board, PCs



Wide Area Surveillance and Protection

Deliver a comprehensive capability to assure a global security.

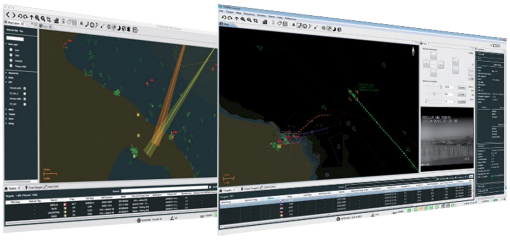
Vedetta

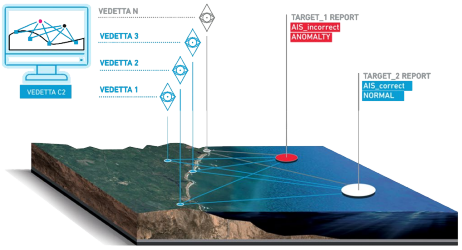
Blue Border Surveillance

VEDETTA (Vessel Enhanced DETection and TrAffic Acquisition) is a passive detection and geo-location System for coastal and sensitive infrastructures surveillance.

VEDETTA is a Multi-Sensor System that can be used in stand-alone operation, as well as in cooperative scenarios with VTS (Vessel Traffic Service).

The System is meant to be a support and gap-filler to the traditional maritime traffic surveillance.





VEDETTA at a glance

- VEDETTA provides innovative features and significant added value in the maritime traffic monitoring service (greater robustness against illegal activities)
- The Specific Emitter Identification (SEI) on AIS signals are able to verify the identity of the respective emitter
- VEDETTA also reveals, in a completely autonomous way, abnormal naval courses that could indicate potential illegal activities

Global Sustainment

Mastering the Electronic Warfare full capability with a global training, operational support and lifecycle logistic management in one global solution.

Customer Support & EW Academy

Global Sustainment for Global Success

ELT Group considers customer support as a global capability across all domains.

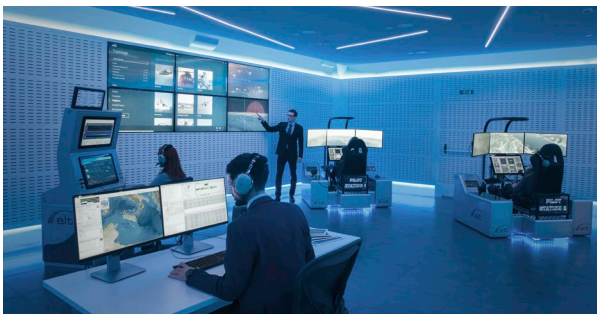
It consists of a complete, modular program to sustain the enter-into-service, training, maintenance & overhaul, mid-life upgrade and decommissioning phases of all ELT Group systems.

EW Academy is the new program developed to provide a full series of tools for customers, training and full immersion experiences related to the systems provided.

Highly specialised EW experts with heterogeneous knowledge of the various scenarios and products are available to users.

The Electronic Warfare Simulation & Training Center also offers training in an innovative EW BATTLE LAB with 3D simulation.

We deliver Global Sustainment because the success of a system lies in the combination of technologies and human skills.



Our solutions

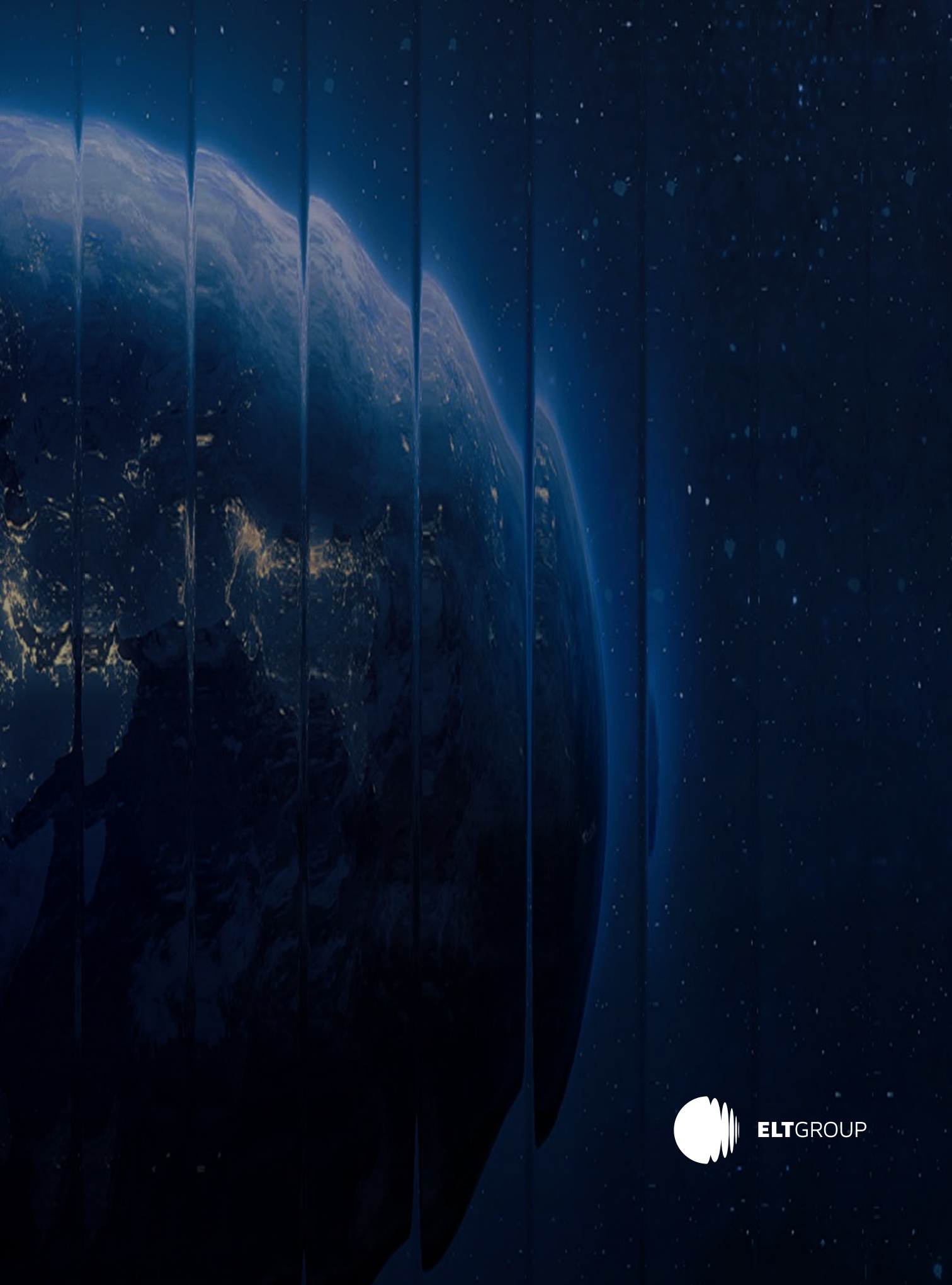
ELT Group recognizes Homeland and Public Security has a specific domain of operations. Thanks to its superior technology, ELT Group designs and develops solutions and systems with “dual role” capabilities, able to be tailored to the peculiarity of the scenarios faced by Public Security Organizations.
In this domain, ELT Group capabilities can perform wide area surveillance, area enforcement, electronic support to preventive and investigative covert operations and public safety rescue.
Open modular architecture is the base of our turnkey solutions, with a specific design able to combine different type of sensors in a network-based solution, hosted in fixed locations, vehicles or shelters according to customer requirements.
Our solutions are entirely conceived, developed and produced in-house and are all designed for exportability.

We offer the following capabilities in Homeland and Public Security:

- Anti-Drone Interception and Neutralization
- Mobile Surveillance, Observation and Operation
- Wide Area Surveillance and Protection
- Global Sustainment

Tickets
Train tickets buy & collect

Tickets
Toilets
Cardinal Place
British Transport Police
London Transport information
Station reception
Left luggage and lost property
Taxis
Buses
Underground
Platforms 1 to 8
Way out
Welcome to Victoria Station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