

CYBER & SECURITY SOLUTIONS

# LAW ENFORCEMENT AND EMERGENCIES SOLUTIONS

The complexity of Law Enforcement activities is continuously increasing mainly due to cultural changes taking place in society, economy, politics, and rising of security needs alongside the evolution of threats and offensive capabilities.

Such complex scenarios drive Law Enforcement operations towards different levels of intervention and a multidisciplinary approach to reduce crime. The use of advanced tools and technologies that enable the collection, interpretation and timely dissemination of intelligence, make reaction times more effective and efficient.

## COMPLETE SOLUTIONS

Thanks to its expertise across both defense and civil domains, Leonardo has developed a range of technology capabilities to effectively support Law Enforcement Agencies and Emergencies bodies providing them with cyber secure by design solutions able to enhance intelligence, surveillance and reaction capabilities:

- Advanced Control room to have a complete and real-time overview of the territory and events from any perspective: security, operations, environment conditions, on field patrols, vehicles
- Critical Communications to provide a common, reliable, secure and effective radio network for all the needs of law enforcement and emergencies agencies
- Cyber security solutions to guarantee the monitoring and predictive, proactive protection of strategic data and assets against cyber threats,

## BENEFITS

Leonardo solution can provide relevant advantages in airport security and operations:

- Long-standing experience in the Law Enforcement and Defense sectors
- Decrease cyber-physical risks leveraging on a multi-domain and comprehensive situational awareness.
- In-house development of key technologies for use within the security market
- Strong technological integration expertise.
- Consolidated alliances with world-leading companies.
- Cyber resilience deep knowledge and importance of integration in technological solutions in this sector.



## SECURE DIGITAL: GLOBAL MONITORING & SECURITY

Data collection and analysis are essential for law enforcement and emergency management to understand complex and rapidly evolving situations.

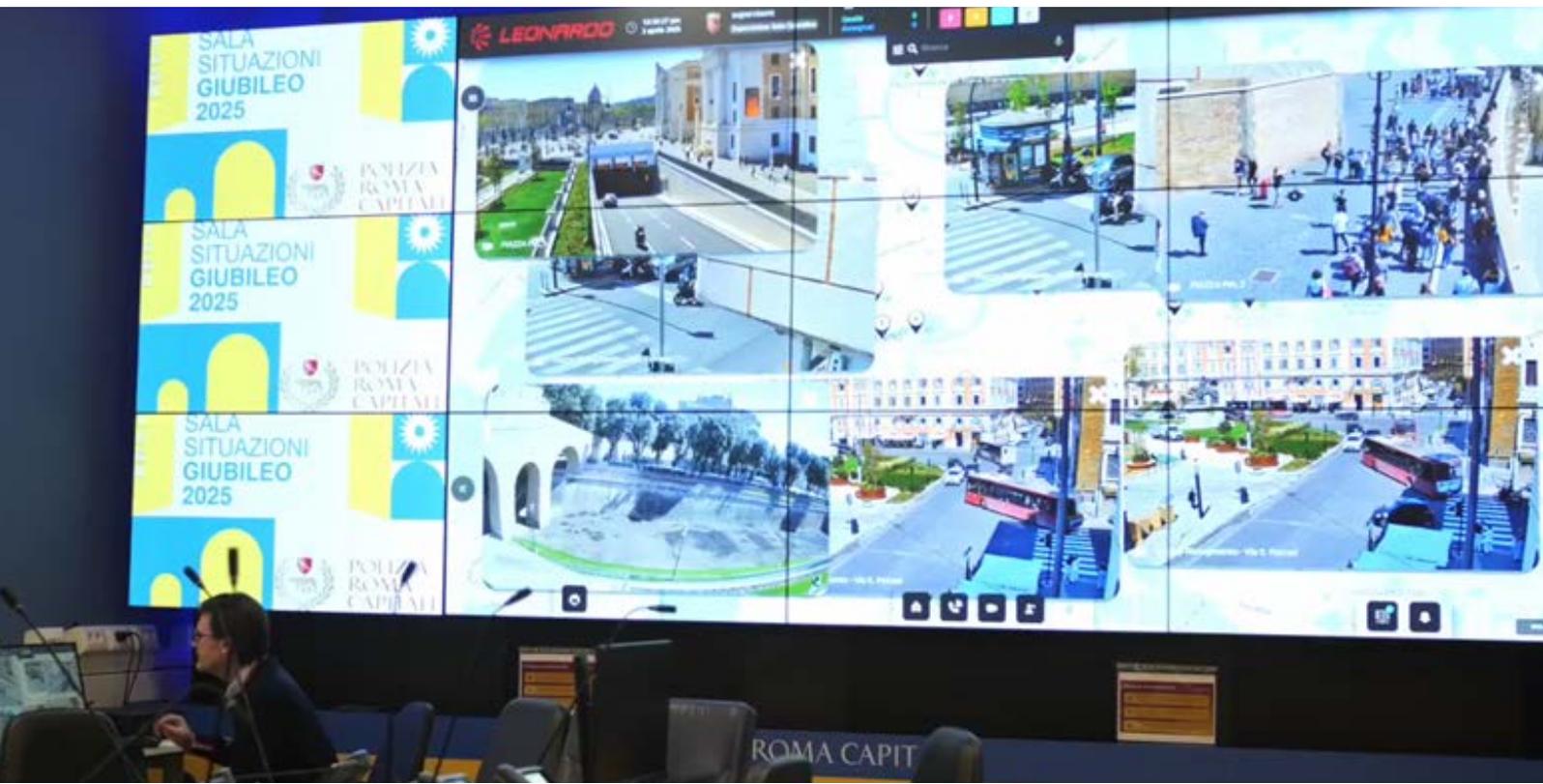
Intelligence and global monitoring provide a comprehensive, real-time view of threats, incidents, and operational environments.

Situational awareness enables early detection of risks, supports informed decision-making, and improves coordination among agencies.

The integration of multiple data sources enhances response effectiveness and resource allocation during emergencies.

Leonardo provides different platforms supporting law enforcement and emergencies operators in incident management and coordination activities ranging from an advanced dispatcher to a complete situational awareness system.

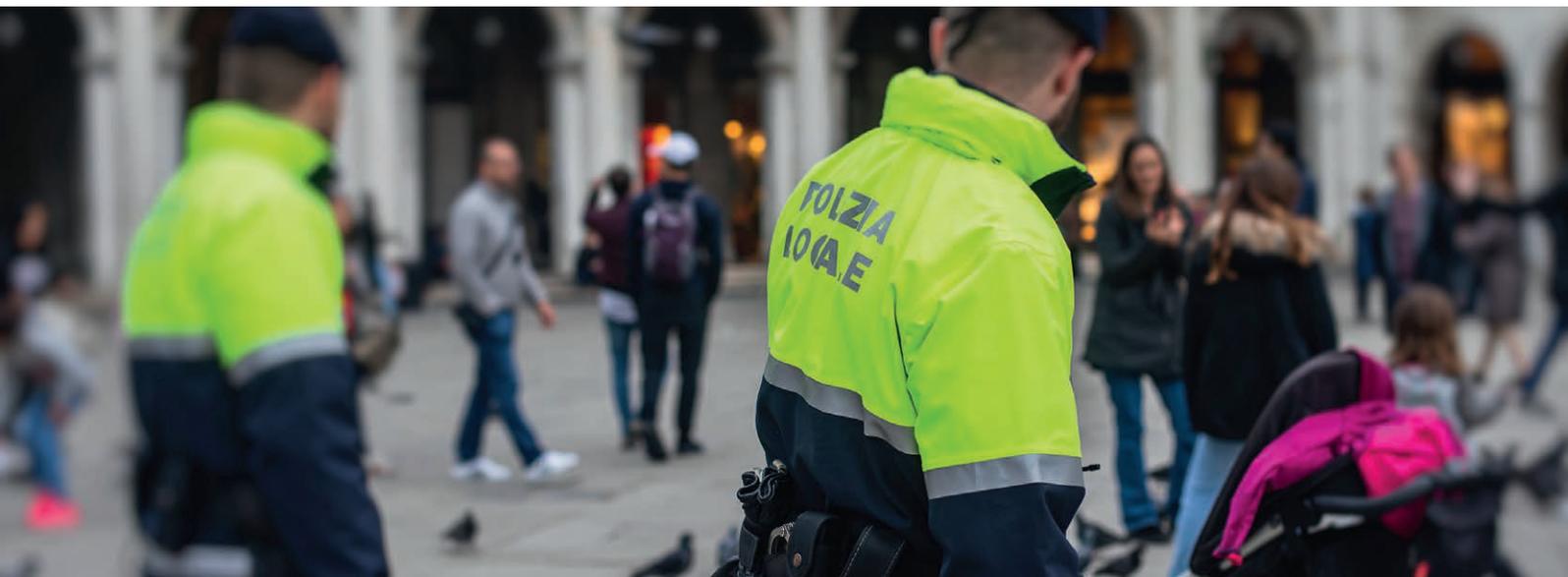
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| <p><b>genesiX</b></p>    | <p><b>genesiX</b> is the new Leonardo web platform which in the different operational domains exploits available data and systems to generate information and provide knowledge and decision-making superiority”.</p> <ul style="list-style-type: none"> <li>→ Collection of information from structured (data bases, archives) and not structured (video, sensors, media) data sources.</li> <li>→ Data processing, correlation and analysis with the support of AI, dashboard and context specific indicators.</li> <li>→ Geolocation of all information on multilayer map (digital twin), events and resources management (safety, operation, maintenance), decision support through procedural workflows</li> <li>→ Coordination of field operations with mobile app and comms (MC_linX).</li> </ul> |
| <p><b>Forge2Know</b></p> | <p><b>Forge2Know</b> is a Big Data analytics platform designed to ingest, store and analyze both structured and unstructured data, turning them into actionable insights.</p> <p>It provides advanced AI/ML, governance and real-time processing features, scalable to large amount of data to support data-driven decision-making.</p>  |



Leonardo security platforms are designed to provide a common operational picture for Command & Control, security management, situation awareness and resilience, creating a handling center for safety and security both for command and control in the operational control rooms and to manage security of barracks and critical areas.

Leonardo can provide an integrated control centre solution where security authorities can benefit from situational awareness to easily supervise areas, quickly assess, and proactively respond to an incident, with a high level of cooperation between all the entities involved and the embedded support of AI to improve detection and reaction capabilities exploiting all the on field sensors and cameras

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| <b>SC2</b>                                  | <p>A very flexible, scalable and reliable PSIM (Physical Security Information Management) solution to manage security with a high level of configurability and the possibility to create a federate architecture connecting different sites. The solution allows complete situational awareness with all info, resources and alarms, actionable on a geo-localized map. Different systems of various brands can be included and operations can be also enhanced by AI Video analytics.</p> <p>Dozens of brands for many different security systems are integrated. The solution also provides the possibility to command and control drones and robots, body worn camera and voice communication to coordinate on field resources.</p> |
| <b>Ganimede</b>                             | <p>Ganimede is Leonardo advanced framework for managing AI-based algorithms for analysis of audio/video sources, live or recorded..</p> <p>A single platform with more than 20 algorithms easily configurable and applicable on already existing multi-brand video sources. Possibility to apply multiple algorithms on the same streaming.</p> <p>Implementation and training of algorithms in Leonardo labs specialized in AI, scalability on projects up to 10,000 cameras with 20 different algorithms</p> <p>Natively integrated in Leonardo platforms, Ganimede provides interfaces for integration in third party systems.</p>  |
| <b>MCCR - Mission Critical Control Room</b> | <p>A multi technology dispatcher platform providing unified communications services for narrowband/broadband integrated networks. Featuring a single or multiple screen web based console it provides professional telephonic and supplementary services and the possibility to leverage multimedia for broadband communications. Natively integrated in Leonardo platforms, Ganimede provides interfaces for integration in third party systems.</p>  |





LEONARDO

Firebrigade Group Firebrigade Group

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Fabio D

Bar chart showing signal strength or activity levels.

PTT  
IN CHIAMATA

Navigation icons at the bottom.

DISPATCHER

Map

LEFT RIGHT

OPTIONS

Zoom

All users

TILE LAYERS

OSM Satellite Carlo Light Carlo Dark

OVERLAYS

Hillshading

Hiking

Cycling

Sea

Railway

GEO1

Group members

User 2

USER 2

Online

Presence 63%

Battery level

Location 45.9345°N, 12.6595°E (x15 m)

Fontanafredda

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Dispatch

Group, Opened, 2

PREA-AC-FO

User 5 User 4 User 3 User 2

## CRITICAL COMMUNICATIONS

Critical communications are a key enabler of the front-line emergency services for Law Enforcement Agencies who require fully integrated information and communication solutions which need be reliable robust, and designed to operate in mobile environments and during emergency situations.

Leonardo acts both as a technology provider (TETRA, DMR, MCX broadband applications, and hybrid networks) and as a system integrator, delivering turnkey mission-critical communication infrastructures.

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| <b>MCX (broadband)</b>          | <p><b>MC_linX</b> is the next-generation mission-critical broadband communications platform based on the 3GPP MCX standard, designed to support secure, real-time voice, data and video services for safety and security and critical infrastructure operators.</p> <p>The solution includes a mobile client app, a web-based dispatcher and management tools for seamless push-to-talk, multimedia messaging, location services and situational awareness over LTE/4G/5G networks as well as WiFi.</p>   |
| <b>TETRA / DMR (narrowband)</b> | <p><b>Adaptanet</b> is a complete modular, scalable suite of TETRA products, satisfying requirements of high performance and secure encrypted communications of a transport network. The solution provides all the essential core equipment and services for voice and data calls, as well as a comprehensive range of supplementary and enhanced services (Core network, Base Stations, terminals and cab radio, Network Management System, dispatcher, and more).</p> <p><b>ECOS DMR</b> solutions are characterized by a high degree of scalability and flexibility that allows selecting the most suitable configuration for Customer's requirements. The same radio base station can operate in <b>DMR Tier II</b>, with simulcast option and dynamic <b>analogue FM</b>, or <b>DMR Tier III</b> in simulcast or cellular configuration.</p> |
| <b>Hybrid networks</b>          | <p>Leonardo Hybrid Network Platform is a solution designed for long lasting integrated narrowband-broadband infrastructure supporting professional network evolution. The core network provides coordination and control functions for the integrated network and core network services for <b>TETRA, DMR</b> and <b>MCX</b> components.</p>  |



## CYBER RESILIENCE

Cyber resilience is essential for law enforcement and emergency management, where digital systems support critical operations and life-saving services.

Cyber threats can compromise command and control systems, communications, databases, and emergency response platforms.

A lack of resilience may lead to service disruption, loss of sensitive information, and reduced operational effectiveness.

Strong cyber resilience enables organizations to prevent attacks, maintain continuity, and rapidly recover from incidents.

In high-pressure emergency contexts, protecting digital infrastructures is crucial to ensure public safety, trust, and mission success.

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| <p><b>Cyber resilience &amp; Consulting services</b></p>                    | <p>Leonardo <b>Cyber Resilience &amp; Consulting services</b> help organizations protect critical systems and ensure business continuity against evolving cyber threats. Through a multidisciplinary, end-to-end approach, Leonardo supports clients in risk assessment, security strategy definition, and incident response. The goal is to strengthen digital resilience while ensuring reliability, regulatory compliance, and protection of strategic assets.</p>  |
| <p><b>Global Cybersec Center and Advanced Managed security services</b></p> | <p>Leonardo <b>Global Cybersec Center</b> and Advanced Managed Security Services provide continuous monitoring and protection of critical digital infrastructures worldwide. Operating 24/7, the centers leverage advanced technologies, threat intelligence, and expert analysts to detect, prevent, and respond to cyber threats in real time. Through proactive security operations, incident management, and advanced analytics, Leonardo ensures rapid response and threat mitigation.</p>  |
| <p><b>Cyber security platforms</b></p>                                      | <ul style="list-style-type: none"> <li>→ Leonardo's <b>GC Platform</b> is a cyber defense platform that integrates services, technologies, and data into a single AI-multiagent ecosystem, ensuring end-to-end cyber management. It offers continuous observability, advanced automation, and predictive capabilities, ensuring resilience, risk reduction, and operational continuity (Cyber Mission Assurance).</li> <li>→ <b>LX Range</b> provides a realistic, high-fidelity environment for cyber training, simulation, and testing of complex attack and defense scenarios.</li> <li>→ <b>C-THINK</b> (Cyber Threat Intelligence) delivers actionable intelligence through continuous analysis of threats, actors, and vulnerabilities. It supports proactive risk mitigation and informed decision-making.</li> <li>→ <b>LENS EDR</b> Innovative and flexible Endpoint Detection &amp; Response platform, based on distributed agents and probes, allows the early identification of anomalies/intrusions on endpoints and the implementation of response and containment actions of cyber threats also based on fully customizable rules.</li> </ul> |



# HIGHLIGHTS

Complexity is what characterizing the work of law enforcement operators. Changes in social, economic, cultural and even technological contexts are generating hard challenges for law enforcement community.

Taking advantage of his long lasting experience in key applications characterizing law enforcement sector, Leonardo can design and deploying integrated cutting edge technological solution that support security operators in their activities in day by day operations and in emergency situations.

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