# GOVERNMENT AND PUBLIC ADMINISTRATION SOLUTIONS

**LEONARDO**

Today's governments and public administrations can take great advantage of the vast amount of data already available and those generated every day by increasingly interoperable systems and applications through the adoption of technologies such as the Cloud, Big Data and Artificial Intelligence. In fact, the exploitation of data and information supports the processes that underpin many aspects. The security and safety of citizens and the territory, the correct use of the country's resources to accelerate its economic growth and international competitiveness, the provision of services to citizens and businesses or efficient communication in emergency situations in the territory are some of the aspects to be addressed.

## COMPLETE SOLUTIONS

In this context, the redesign of Public Administration processes and the adoption of new digital-by-design approaches enable the delivery of new services to citizens and businesses. These services are based on procedures that are paperless and as simplified as possible, in order to reach the widest range of users.

Moreover, the application of technologies such as Artificial Intelligence can provide advanced tools for monitoring and protecting the territory, as well as for preventing emergencies. More effective and efficient decision-making can be achieved through context-specific insights and recommendations derived from experience.

Leonardo is a partner of Italian and European institutions, to which it provides innovative solutions based on proprietary and third-party technologies, supporting their operational and strategic needs.

The company has developed strong competencies, solutions, and integrated platforms to effectively address the complex and diverse requirements of institutional customers, while ensuring robust IT security to protect the strategic and sensitive data of institutions, companies, and citizens.

### BENEFITS

Leonardo solution can provide relevant advantages in government and public administration:

→ Consolidated capabilities for the national secure digital transformation and Cloud adoption

→ Strong expertise in the management of complex infrastructures

→ A complete range of managed security services for the cybersecurity of networks, infrastructures and applications

→ Integrated solutions for data governance and valorization

# SECURE DIGITAL: GLOBAL MONITORING & SECURITY

The ever-increasing availability of data - from satellite monitoring, images acquired by drones equipped with specialized sensors, surveillance systems and field sensors - now allows administrations to build up a comprehensive knowledge base, a repository of data from which to extrapolate valuable information to improve territorial security and anticipate critical future contexts.s continuous monitoring and the ability to rapidly detect and respond to potential threats.

Leonardo has developed a platform for advanced situational awareness that provides an overview of an area to be monitored or of an asset under protection, such as an archaeological site or a historical building, in order to:

→ generate alerts concerning degradation or critical situations,
→ ensure information superiority through the availability of useful information for the effective solution of an event or the monitoring of the evolution of a given situation of interest,
→ manage workflows by providing appropriate decision support for timely intervention and coordination in the field,
→ optimizing the use of logistical resources,
→ facilitate the investigative analysis of events by analyzing large quantities of data.

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| **genesiX** | **genesiX** isis 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".<br>→ Collection of information from structured (data bases, archives) and not structured (video, sensors, media) data sources.<br>→ Data processing, correlation and analysis with the support of AI, dashboard and context specific indicators.<br>→ Geolocation of all information on multilayer map (digital twin), events and resources management (safety, operation, maintenance), decision support through procedural workflows<br>→ Coordination of field operations with mobile app and comms (MC_linX). |
| **Forge2Know** | **Forge2Know** is a Big Data analytics platform designed to ingest, store and analyze both structured and unstructured data, turning them into actionable insights.<br>It provides advanced AI/ML, governance and real-time processing features, scalable to large amount of data to support data-driven decision-making. |
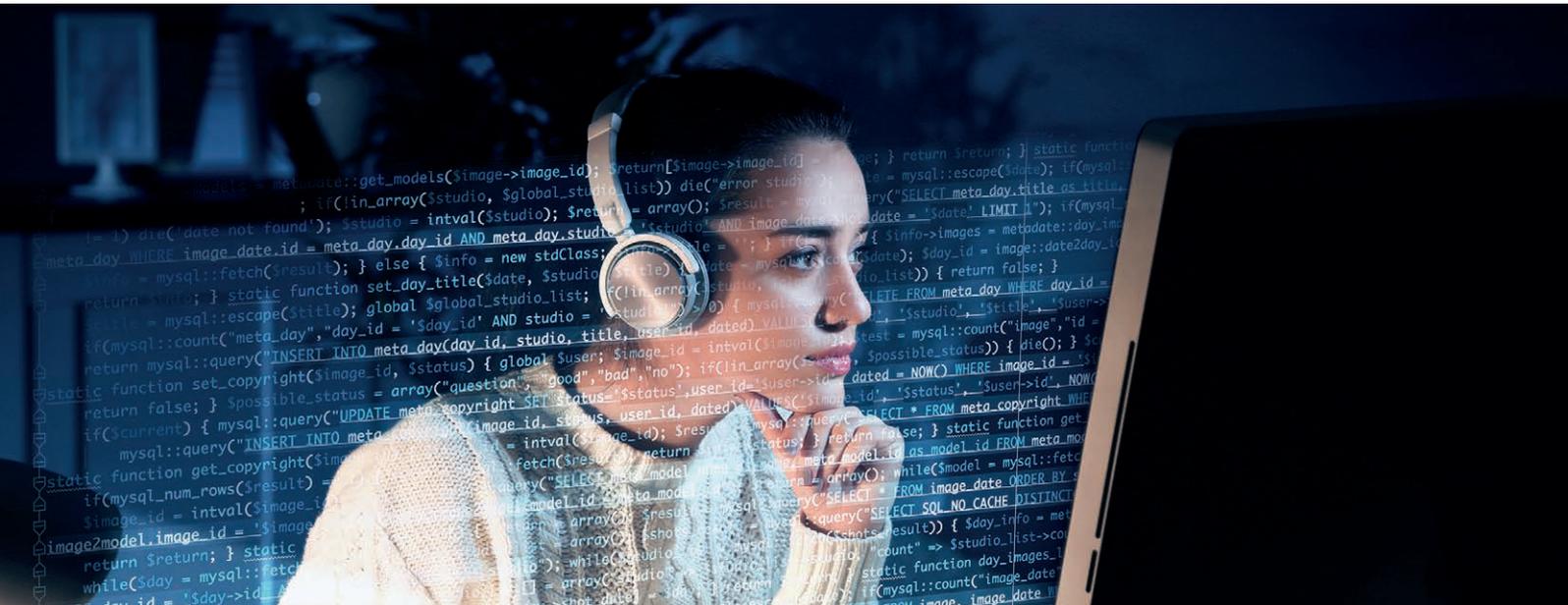
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Leonardo security platforms are designed to provide a common operational picture for Command & Control, security management, situation awareness and resilience, creating a handling center for safety and security both for command and control in the operational control rooms and to manage security of buildings, cultural heritage and areas to monitor.
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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| **SC2** | **SC2** is 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.<br><br>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. |
| **Ganimede** | **Ganimede** is Leonardo advanced framework for managing AI-based algorithms for analysis of audio/video sources, live or recorded.<br><br>A single platform with more than 20 algorithms easily configurable and appliable to already existing multi-brand video sources. Possibility to apply multiple algorithms on the same streaming.<br><br>Implementation and training of algorithms in Leonardo labs specialized in AI, scalability for projects up to 10,000 cameras with 20 different algorithms.<br><br>Natively integrated in Leonardo platforms, Ganimede provides interfaces for integration in third party systems. |
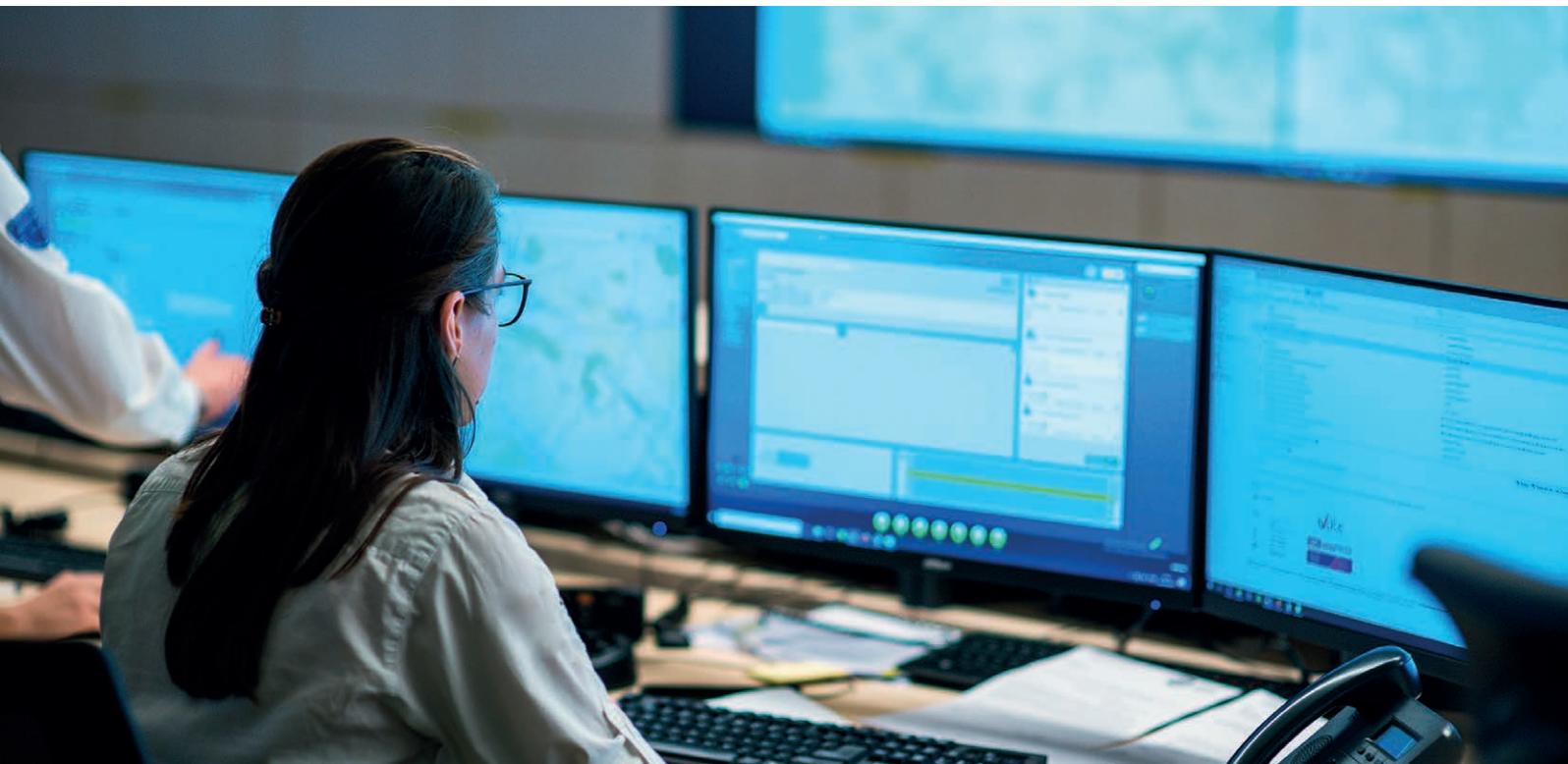
The digital transformation of Governments and Public Administrations is a complex and gradual process that must address many different aspects: the definition of a strategy and related processes, the creation of new business or operational models, the adoption of digital technologies and tools, and the creation or improvement of the skills needed by people to interact with this new digital reality.

In a period characterized by increasing cyber threats, geopolitical tensions and complex regulatory requirements, it is important for organizations and government to maintain strict control over their data ensuring they are stored, processed and managed with specific national or regional boudaries complying with local laws aroud privacy, security ad digital sovereignty.

Leonardo, leveraging the experience gained over the years in projects for Public Administration, and the participation to Polo Strategico Nazionale S.p.A. (promoted by the Italian Department for Digital Transformation) to provide Italian public administration with a highly reliable, resilient, and independent infrastructure, deploying cutting-edge technologies, has developed a complete offer to address:

→ the support to Clients for digital transformation through the adoption of new technologies, for the redesign of processes in a digital key and for the identification of the most suitable solutions for data collection, processing, quality control, integration, management and security

→ the design, implementation and management of digital infrastructures based on the customer's needs to ensure the required performance, as well as scalability and reliability requirements.manage workflows by providing appropriate decision support for timely intervention and coordination in the field,

→ the development of vertical solutions and applications for the digitalization of processes, through in-depth analysis of the context and critical issues of the information managed.

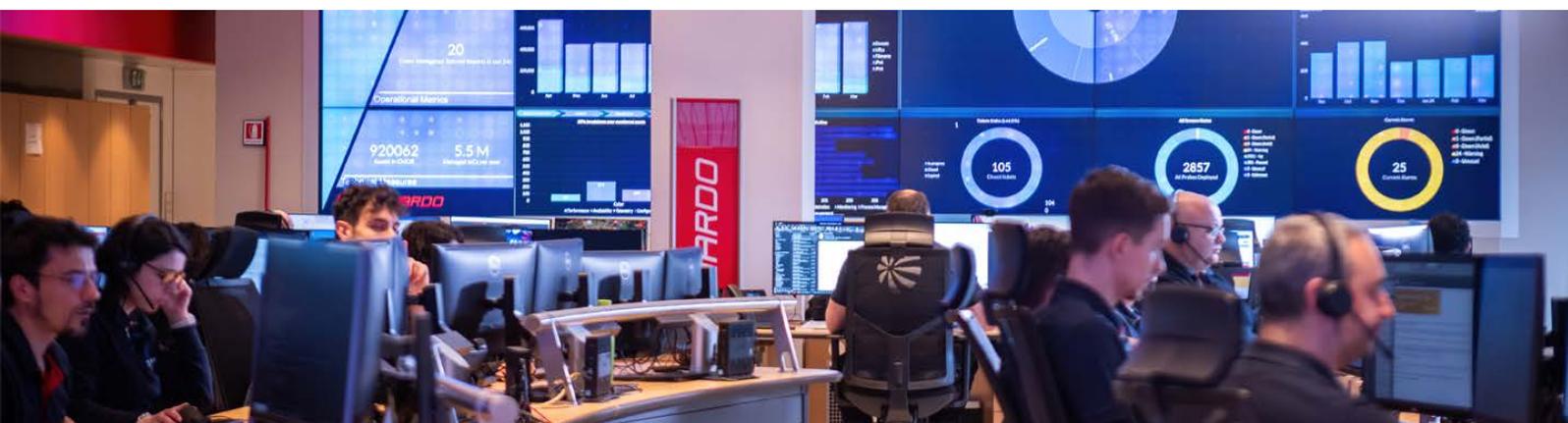| | |
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| **Cloud migration support** | Leonardo has a model to address assessment and feasibility activities related to cloud migration. The model addresses the activities of analyzing the infrastructure, identifying specific performance, efficiency and security objectives, defining the expected and desired state of Cloud adoption, analyzing current gaps and identifying and planning the interventions to be implemented. |
| **Secure cloud managemnent** | The need to orchestrate, secure and govern hybrid, multi-cloud and edge computing cloud environments is managed through the **MovinCloud** Platform. The platform provides overall visibility over the resources, simplifies their management and makes it easier to optimize them within the infrastructure, thus enabling constant control over performance, quality of service delivery and security. The ability to perform what-if analyses allows scenarios to be simulated to assess the impact of any changes in infrastructure capacity, the migration of loads from one environment to another, and to control costs. |

# CYBER RESILIENCE

The increased reliance of existing platform on software and the extensive interconnection of network and systems enlarge the potential cyber-attack surface and exposure. Networks and applications need to be cyber protected and resilient in order to provide the operation continuity deserved by Governments and Public Administrations.

The public sector because of the wide diffusion of ICT technologies in vital processes is feeling these needs as any other technologically advanced organization.

Leonardo provides a portfolio of services and solutions to identify, prevent, detect and respond to cyber-attacks that could affect its customers, offering a holistic approach to Cyber Security according to the NIST framework.

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| **Cyber resilience & Consulting services** | Leonardo's Cyber Resilience & Consulting services 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. |
| **Global Cybersec Center and Advanced Managed security services** | Leonardo's Global Cyber Security Center 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. |
| **Cyber security platforms** | → Leonardo's **GC Platform** 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).<br>→ **LX Range** provides a realistic, high-fidelity environment for cyber training, simulation, and testing of complex attack and defense scenarios.<br>→ **C-THINK** (Cyber Threat Intelligence) delivers actionable intelligence through continuous analysis of threats, actors, and vulnerabilities. It supports proactive risk mitigation and informed decision-making.<br>→ **LENS EDR** Innovative and flexible Endpoint Detection & 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. |
| **Zero Trust** | **Leonardo Zero Trust** is a secure ecosystem based on EU technologies, covering all stages from access and authorization management to the protection of data in transit, at rest and in use, supporting organizations in strenghtening security, protecting sensitive data and ensuring service continuity. |

# HIGHLIGHTS

Leonardo supports its institutional Customers through IT and strategy consulting, solutions and applications to digitalize their core processes and implement new digital services.

The wide range of Leonardo solutions also addresses multiple aspects of Public Administrations: from the security of territories and citizens through global monitoring platforms and applications to emergency management through reliable communications up to the security of infrastructures and data through cybersecurity solutions.

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