

Safety & Security



Selex ES

A Finmeccanica Company

SAFETY & SECURITY

Selex ES, A Finmeccanica Company, is a global leader in the provision of physical and cyber security solutions for the protection of networks, information, cities, borders, major events, and critical infrastructures.

From the design, development and production of state-of-the-art equipment, software and systems to through life support, Selex ES partners with its customers to deliver the information superiority required to act decisively, complete missions and maintain security and protection for operational effectiveness.

Our integrated solutions seek to address the complex safety and security challenges faced by both public and private organisations. We are driven by innovative and robust technology, both proprietary and best of breed, and a depth of expertise in solution design and delivery.

As a global player in safety and security, Selex ES has deployed and supported solutions across the following environments:

- Public protection & disaster relief
- Critical National Infrastructures (e.g. airports, government buildings, oil & gas, transport networks)
- Border control & law enforcement
- Major events



PUBLIC PROTECTION & DISASTER RELIEF

Selex ES's solutions for public protection aim at increasing security and improving citizens' welfare, through both the implementation of new control and protection systems, and the integration of existing systems, by promoting the cooperation between the agencies, which deal every day with the management of urban communities and emergency situations.

By integrating technologies for surveillance and protection, information management, automation, mobility, and communications, our solutions provide agencies with the operations management support required to prevent, detect, respond to and recover situations:

- Integrated emergency management systems
- Communications networks
- Territory control systems
- Operations control rooms
- Integrated intelligence systems

CRITICAL NATIONAL INFRASTRUCTURES

The development and organisation of the most industrialised countries is based on a network of increasingly complex and organised infrastructures. The vulnerability of this network is closely linked to the ability of these infrastructures to work efficiently under both standard and emergency conditions.

However, the efficiency of an individual country, or of several countries sharing the same culture, values, objectives, economic interests and social-political views, may be affected by diverse factors such as:

- Voluntary actions: terrorism, cyber-crime, financial attacks, war
- Natural events: floods, earthquakes, fires, volcanic eruptions

These factors can have a crucial influence on a country since they affect such vital sectors as Law and Order, Health, Economy, Transports, Telecommunications, Energy, Finance, Defence and, in general, all Public Administration sectors. That is why, today, the protection of Critical National Infrastructures (CNI) – those infrastructures deemed essential for a country's operation – is of the highest priority as the increased efficiency and protection of infrastructures reduces the global vulnerability of the system.

Selex ES understands these challenges.

With the advances in the digital world, our expertise in protecting and securing networks against cyber-warfare is increasingly important. Furthermore, the ability to guarantee communications (i.e. voice, data, imagery) efficiently and safely, for the co-ordination of missions and resources remotely is of particular significance when considering all aspects of our society's operations including transportation networks – shipping, rail, traffic – and the impact on essential logistics as well as the human factor.

Airports

We protect and support activities throughout the airport, both air-side and land-side, through the provision of:

- Surveillance and perimeter protection (including access control)
- Co-ordination and control (fixed and mobile control rooms)
- Mission critical communications
- Air traffic management
- Building automation and baggage handling systems

Government buildings

We protect against physical and cyber threats that can impact the safety and security of people and facilities within the building/site, through the provision of:

- Secure ICT infrastructures
- Perimeter protection (including access control)
- Co-ordination and control (fixed and mobile control rooms)
- Surveillance
- Mission critical communications



Oil & Gas

We recognise that customers operating in this industry require complex solutions employing state of the art technologies where effectiveness, reliability, safety and security are critical.

Our approach involves reducing the human risk element associated with this industry, by exploiting the potential capabilities discovered through the integration of technologies. In close collaboration with world leading producers of automation and security components, we develop integrated hardware and software solutions to satisfy this need.

- Surveillance of pipelines and onshore/offshore plants
- Security and automation of refineries and plants
- Safety and security for logistics activities
- Co-ordination and control across all platforms (fixed and mobile control rooms)
- Secure and reliable communications
- Integrated intelligence systems

Transport Networks

Selex ES has a long standing heritage in the provision of communications systems for Transport Authorities. Thanks to this expertise, we have developed a strong understanding of this industry and a portfolio of solutions to meet the needs of transport operators, both in urban and long-distance environments.

Our solutions ensure safety, reliability, advanced security features, flexibility and interoperability:

- Secure ICT infrastructure
- Surveillance and monitoring
- Safety and operational communications
- Security
- Co-ordination and control
- Automation



BORDER PROTECTION

Border, coastal and territory protection, in the context of Homeland Security, requires the capability to secure national borders in land and maritime environments.

Our approach to modern border control is to build a smart protection belt for each country, which draws on the benefits and efficiencies of employing multi-role resources. We deploy Operational Centres, in a geographical hierarchical architecture which integrate multi-use technologies to improve mission planning and management through:

- Integrated emergency management systems
- Co-ordination and control
- Secure ICT infrastructure
- Territory and coastal control systems
- Safety and operational communications
- Sensor acquisitions and Integrated intelligence systems
- Surveillance (manned and unmanned)



MAJOR EVENTS

Selex ES works with organising committees to ensure the delivery of major events where the safety of its participants is of paramount importance. Our proven expertise and portfolio of technological capability enables us to design, implement, support and maintain solutions for the security of major venues, across the entire lifecycle of the event; from risk analysis and planning prior to the event, through to the remediation of the venues and the sustainability of legacy infrastructure.

Selex ES produces non-invasive major event security solutions which integrate all the components and third party systems without impacting other critical requirements, such as efficiency and punctuality of the event schedule, and standard operations. Our solutions are designed to be embedded within the overall organisation/lifecycle of an event in a seamless and transparent way.

Our major event security solutions typically comprise:

- Surveillance and monitoring
- Access control
- Safety and operational communications
- Command and control (fixed and mobile control rooms)
- Secure ICT infrastructures
- Logistics

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