



## C4I SYSTEM FOR JOINT OPERATION COMMAND

**The SELEX Sistemi Integrati approach to the implementation of joint operational activities is based on both operational and technical building blocks, resulting of the wide experiences achieved by SELEX Sistemi Integrati.**

The SELEX Sistemi Integrati C4I Systems for Joint Operation Command, supports the Chief of Staff for military operations ran by Joint Forces (air, land, and naval) for in or out of area combined multi-national missions.

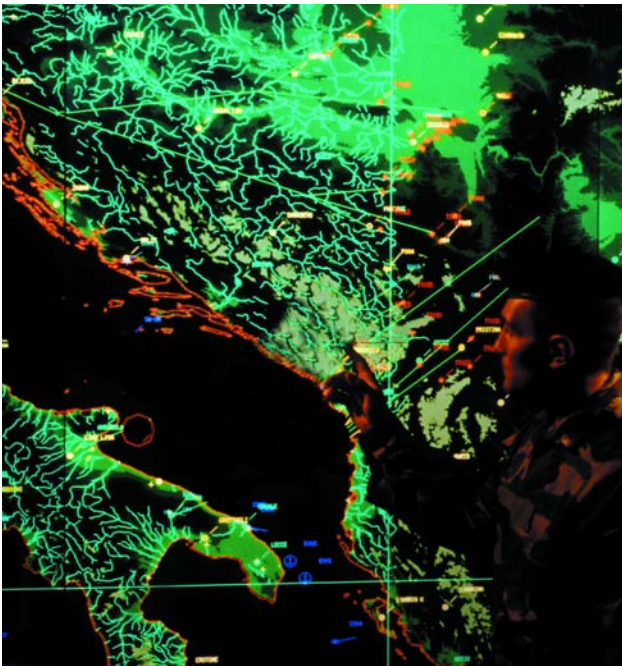
### SYSTEM DESCRIPTION

The system architecture includes both fixed and mobile centres communicating through satellite, strategic and tactical networks. The provided system levels include Joint National Operation Centre, Specific C2 Single Service Systems and Weapon Tactical Control Centres:

- Operational command and control, including situation display and assessment, alarms monitoring and management, operations planning and management, forces/resources allocation and management decision support, system network and security.

- Strategic support, using operational research algorithms, such as planning, personnel management and logistics planning.
- Simulation for operation support and training.
- Interoperability with dedicated C2 Single Service systems, including early warning, air defence and ground surveillance.





## SYSTEM TECHNICAL HIGHLIGHTS

The SELEX Sistemi Integrati C4I architecture is based on state-of-the-art Open Systems standards, such as ADP open architecture:

- COTS Hardware equipment (servers, workstations/PCs, hubs, routers/gateways) on LAN/WAN;
- Software architecture integrating proprietary SELEX Sistemi Integrati software applications and a middleware platform based on COTS products and advanced technologies (multi-media RDBMS, GIS, Office Automation, e-mail, Intranet and Web technologies);
- Database Replication Mechanism (ATCCIS Replication Model, ARM) for interoperability;
- Military and civil standard communication links and protocols;
- System implementation and security features with Certification in accordance with National Security requirements.

