

SELEX Sistemi Integrati at Lavex 2006

On display: the Vessel Traffic Management System and the Air Traffic Control Consoles

SELEX Sistemi Integrati, a Finmeccanica company, is world leader in defence, civil and air traffic control and management systems and sensors, with a customer base in over 150 countries. SELEX Sistemi Integrati is active in the markets of homeland protection, integrated air defence, battle space C4I, naval systems mission and air traffic management. This is enhanced by its capabilities in systems integration, simulation and synthetic environments, engineering, software design and manufacturing, all backed by comprehensive customer support facilities.

At Lavex 2006 SELEX Sistemi Integrati will be present together with the Finmeccanica companies Agusta and Alenia Aeronautica in the stand no. 13A.

The Company is displaying a Vessel Traffic Management System (VTMS) and three Air Traffic Control consoles.

The company will use Lavex 2006 exhibition to promote its know-how in systems integration. Large systems represent a priority activity in SELEX Sistemi Integrati's business strategy, and an issue of growing social interest with regard to protecting territory, citizens, institutions and key national infrastructures from terrorist and war threats and from natural disasters.

Vessel Traffic Management System (VTMS)

In the naval sector SELEX Sistemi Integrati has also developed an integrated Vessel Traffic Management System network to cover and manage a wide geographical area, such as its first widest application: the Mediterranean basin. The System architecture is based on multiple control layers, identified as: Local, Area and Central, interacting at different operational levels. Each level supports the operational coordination and decision accordingly with its mission. The local stations in this architecture directly collect data from the Sensor Sites and interact with traffic. The VTMS developed by SELEX Sistemi Integrati are available in fixed, transportable and mobile versions.

The Italian nation-wide VTS is an example of Network-Centric Integration of maritime, operational, safety and security services, guaranteeing a full, real team coverage of 7,500 kilometres along the Italian coast, thanks to a National Centre, 14 Area Centres allocated into Maritime Directions which receive information from 82 local sites, 100 sensors sites and three mobile units.

SELEX Sistemi Integrati, a Finmeccanica company, provides state-of-the-art solutions for Air Defence, Battlefield C4I, Mission Critical Naval Command Systems, Vessel Traffic Management, Coastal Defence and Air Traffic Management Systems.

SELEX Sistemi Integrati is the Finmeccanica company that designs and develops Large System architectures for Homeland Protection by primarily using its own technologies or those of other Finmeccanica companies. With over 3000 dedicated personnel mainly employed in the design and development of high technology SELEX Sistemi Integrati can boast enormous capabilities in Systems Integration, Simulation, Engineering, Software Design and Production, combined with comprehensive and advanced customer support solutions.

SELEX Sistemi Integrati systems are in service with over 150 countries supplied from its primary sites located in Italy, Germany, the United Kingdom and the United States of America.

BCSS - Border Control & Surveillance Systems

The Maritime Surveillance System is the core component of the integrated Border Control & Surveillance Systems by SELEX Sistemi Integrati, consisting of Maritime Surveillance and Land Based Surveillance capabilities providing surveillance, protection and management of Blue Border, such as National Territorial Waters, Contiguous Zone, Exclusive Economic Zone and Green Borders.

These missions are achieved by detecting, monitoring, identifying and tracking targets in the area of concern through a variety of airborne, shipborne, maritime and land based sensors, providing Common Operational Picture (COP) presentation, target evaluation, resource management, communication between the Command and Control Centres and remote fixed and mobile assets.

The field-proven experience of SELEX Sistemi Integrati allows its systems to manage, fuse and provide a wide range of information, both from sensors within the system and from external sources, such as port information, weather forecasts, satellite imagery and every kind of databases.

Air Traffic Control Consoles

SELEX Sistemi Integrati provides total Air Traffic Management Capability: from En-route, Approach to Surface Management Systems, Gate-To-Gate Surveillance with their family of ATC Primary and mode S Secondary radars, new generation CnS/ATM systems such as Satellite Navigation Augmentation Systems, Automatic Dependent Surveillance (ADS) and Controller Pilot Data Link Communications, Navigation and Landing Aids by SELEX Sistemi Integrati Inc. (USA) and Weather Radar systems by SELEX Sistemi Integrati GmbH (Germany).

At Lavex 2006 the Italian Company is displaying SATCAS 2000 and SAIL systems, a fully integrated solution representing a SELEX Sistemi Integrati standard solution for Air Traffic Management. The systems presented are composed of:

- Two Controller Working Positions representing two En-Route Sectors scenario, gathering data from an Area Control Center.
- Two Controller Working Positions representing an A-SMGCS scenario with data from an A-SMGCS System.

Surveillance radar data and original flight plan information have been recorded locally and they are synchronously injected, processed and presented in the proposed suite, thus providing an integrated radar and flight plan picture faithful to the operational scenario.

The tight integration between En-Route centre and all the connected Approach and Control Towers and the integration with A-SMGCS is performed from an operational and functional point of view, providing a real step forwards to "Gate-to-Gate" implementation.

SELEX Sistemi Integrati also shows the Distributed Enterprise Architecture in web environment (eDEA), a multitasking "customer centric" application, to manage all aspects of project and product life cycle.

For further information and details, please contact
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