

SELEX Sistemi Integrati at Defendory 2006

On display: the C4I Facility, the VTMS system and the RAT 31/DL

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 Defendory 2006 - in the Finmeccanica Stand SELEX Sistemi Integrati is displaying:

C4I Facility

Finmeccanica displays the C4I Facility console for battlefield management, demonstrating SELEX Sistemi Integrati's ability to create appliances and structures for managing a battle space involving various members of armed and security forces. The mission that is demonstrated to visitors simulates a medium or long term exercise in an outlined area, with the deployment of units from all the armed forces. The command and control systems of the forces involved will not operate separately, but rather will be integrated into a joint forces network. The scenarios show mission profiles for Airspace Surveillance, Coastal Surveillance and Homeland Protection, supported by a wide rank of integrated Sensors systems, Command & Control subsystems, Border Surveillance systems and weapons guidance systems.

VTMS - Vessel Traffic Management System

SELEX Sistemi Integrati has developed an integrated network of Vessel Traffic Management System 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 with the traffic 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.

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.

The Italian nation-wide VTS is an example of Network-Centric Integration of maritime, operational, safety and security services, guaranteeing a full, real time 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.

RAT 31/DL 3D Surveillance Radar (model)

The RAT 31 DL is a state-of-the-art system designed to operate in modern complex military air defence and air traffic control systems. Sophisticated technology allows the RAT 31 DL to rapidly adapt to a broad spectrum of changing operational scenarios where jammer co-exists with heavy clutter. Selected by NATO countries, it allows superior performances against traditional threats as well as Tactical Ballistic Missiles and low –signature targets.

In the last five years RAT 31/DL air defence radar has represented the most popular long range system within NATO with an operating range of approximately 500 km.

The RAT 31/DL, of which 20 have been sold to date, has been bought by eight countries worldwide, six of which belong to NATO- among these, Greece with one Radar that will be installed as agreed by the NATO programme signed in 2002.

The RAT 31/DL, a state-of-the-art radar for innovative technical solutions, is the only long range system able to operate in real, complete frequency agility, and able to support various functions such as protection against anti-radiation missiles and electronic countermeasures.

The RAT31/DL is available in fixed (FADR-Fixed Air Defence Radar) or transportable configurations.

The RAT31 family's most recent product is the RAT 31 DL/M (DADR), two of which have already been sold to the German Air Force. Its specific features are a high level of mobility given that only one vehicle is needed to transport the complete radar equipment (plus one for the shelter). Furthermore, the radar is operational in only 15 minutes from positioning of the transportation vehicle, even on non-prepared positions.

SELEX Sistemi Integrati is also present in Greece with its ATC systems currently operating in Thessalonica, Corfu', Rhodes and Crete. In conjunction with the upgrades, new Controller Working Positions will be added to the ATC systems operating there.

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