

London, 8-11 September, 2009

SELEX Sistemi Integrati at DSEi 2009

On show: NEXOS system, ANTEO Defence System, VTMISS (Vessel Traffic Management Information System), ANTEO Security System, MECC (Major Events Control Centre System), SIPC (Civil Protection Informative System), ATM Demonstrator, BIT Demonstrator, SCCIS (Command & Control Information System).

SELEX Sistemi Integrati, a Finmeccanica company, will be displaying its most important Security & Resilience and Battlespace solutions at the Defence Systems & Equipment International Exhibition and Conference (DSEi), one of the largest international defence and security exhibitions, which takes place in London from 8-11 September.

SELEX Sistemi Integrati – one of Europe's leading Security & Resilience specialists – recently designed, developed and implemented the integrated Co-ordination Centre deployed by the Italian Civil Protection Department to safeguard the G8 Summit in L'Aquila, Italy, in July. The Co-ordination Centre is equipped with sophisticated computer software that integrates data sent from operational positions of different participating entities, in order to define scenarios and manage possible events and resources of the field. All this guarantees interoperability between civil and military forces, allowing different organizations to share the same coherent and recognized operational picture.

Within the **Security & Resilience** area, SELEX Sistemi Integrati will be exhibiting the following:

NEXOS system

NEXOS is a Quad-mounted Surveillance Unit equipped with a LYRA 10 radar, a laptop and a Communications kit. It is part of the MANDRA Border and Area Protection System, consisting of highly mobile all-terrain units, deployable, modular and network connected in full compliance with the NEC/NCO doctrines. NEXOS is available for military Corps or non-military Authorities, for Surveillance and Reconnaissance missions. Depending on the landscape characteristics, NEXOS is able to cover an area up to 50 km side for 10/15 km. MANDRA consists of eight different kinds of all-terrain units, depending on the functions assigned to each type of integrated units for each specific mission profile.

ANTEO Defence system

ANTEO Defence is a Net-Centric land-critical infrastructure protection system. Adaptable, expandable and easily deployable, ANTEO Defence integrates several heterogeneous systems (Radar sensors, TV/IR cameras, acoustic and CBRN sensors, manned and unmanned vehicles, effectors and legacy system) in a flexible and effective architecture. ANTEO Defence supports surveillance, classification, identification, automatic vehicle management and reaction against a threat.

VTMISS – Vessel Traffic Management Information System

VTMISS by SELEX Sistemi Integrati is the widest and most comprehensive net-centric VTS system worldwide, providing maritime traffic control, safety at sea, environmental protection, national borders control, prevention and countering of illegal activities. Data is collected, analysed and shared all over the network, to provide decision support, actions planning, staff and means co-ordination, through local, regional and national control centres.

ATM Demonstrator

The ATM demonstrator consists of SAIL, the A-SMGCS of SELEX Sistemi Integrati, and ADAM, the Multilateration Systems of SELEX Sistemi Integrati. SAIL allows complete surveillance and control of ground movements on the airport surface and surrounding airspace. ADAM provides a high performance and accurate all-weather surveillance for airport and wide area applications.

ANTEO Security

ANTEO Security is the Systems-of-Systems architecture designed for Critical Infrastructure Protection and Security. It includes sensors, surveillance and control systems and multi-level monitoring, starting from perimeter surveillance at local level, up to integrated management of the information collected, processed and shared all over the nationwide security system. ANTEO system architecture is comprehensive of the operational concepts and state-of-the-art technologies enabling it to monitor and effectively secure any kind of industrial facilities or other sensitive key sites.

Major Events Control Centre (MECC) system

MECC was developed for the 2008 Rome Marathon and supports users in managing major events. The system integrates several capabilities including:

- Specific operative workflow depending on the user profile (call taker, dispatcher, analyst, supervisor)
- Event Form management
- Locating nomadic operator provided with appropriate devices on the map
- Locating different assets (police, fireman, etc) on the map
- Selecting and viewing available assets in a certain area around a fixed site
- Selecting and viewing video stream from remote cameras placed in sensible areas.

SIPC-Situation Room demonstrator

The SIPC Civil Protection Informative System is a 24-hour Situation Room to ensure operations planning, resources assignment and management, data and information collection, processing, sharing and display. To support the decision-making process, the Situation Rooms typically deploy at least 12 Work Positions to ensure safety and security to people, infrastructures and goods, and environmental protection on wide areas at regional or national level.

Within the Finmeccanica area dedicated to **Battlespace**, SELEX Sistemi Integrati will be displaying:

SCCIS – SELEX (Sistemi Integrati) Command & Control Information System

SCCIS is a deployable Command and Control (C&C) information system consisting of a network supporting centralized applications, and of a deployable headquarters. It supports the C&C functions and provides the planning capabilities for both military operations and civilian activities; it is deployable for out-of-area operations or for homeland defence missions. This system enables an operations centre to deliver information to the deployed forces, to receive reports from them and to issue timely reports to the higher C&C Centres and levels. The system is equipped with a graphical user interface to manage cartography, data, documents and scenarios necessary to the operations planning, management and monitoring.

BIT Demonstrator

The technological demonstrator, Brigata Integrata Terrestre (BIT), is a modelling and simulation environment based on a standard DIS/HLA simulation framework. Through simulation, it supports the analysis of some critical aspects of the BIT reference architecture. It consists of a Scenario Generator and Animator; a Simulation Environment for Communications; and a set of Simulators of Platforms (armoured vehicles and UAV), weapon systems and sensors.