

Rome, 22nd May 2013

Selex ES at ITEC 2013

Selex ES, a Finmeccanica company, is attending ITEC 2013, which takes place in Rome from 22 to 24 May, with a wide range of systems and solutions for simulation and training.

The company is heavily involved in this sector. Selex ES covers the entire spectrum of simulation applications, from networked, intelligent synthetic environments with multi-platform interaction for advanced, high-realistic training, to sensors simulation for mission training and maintenance.

Selex ES's simulations systems are designed around proprietary building blocks based on cutting-edge technologies resulting from internal developments. These are also used to pursue and test new approaches and technologies, such as real-time virtual environment or immersive training.

Selex ES has several laboratories – including the network and communication modeling and simulation lab in Catania, the simulation and training lab in Ronchi dei Legionari, and the Simulation and Integration Lab in Genoa – all of which are federated as part of the Finmeccanica Group Companies' Simulation Labs network, namely SimLabs. Genoa's laboratories also represent the main hub of this federation. These centres also link to the NATO Centre of Excellence of M&S at La Cecchignola (Rome) developed by Selex ES. Other simulation centres have been designed for customers, like the NATO one; among them there is the simulator for air traffic controllers installed at Pratica di Mare (Rome) for the Italian Air Force, and the centre of the simulation and training for the VTMS of Messina for the Italian Coast Guard.

Thanks to its experience in this field, which crosses all the company business activities, including integrated logistics solutions, Selex ES is showcasing a selection of systems at ITEC.

Airborne systems on display include: the Integrated **Aircraft Maintenance Trainer**, which allows service engineers to familiarise themselves with modern aircraft, enabling them to learn the cognitive processes necessary to operate and repair the modern military aircraft; the **Avionics Systems trainer**, used to study and repair on-board avionics systems; **MARS** (Multimode Airborne Radar Simulator), a software that provides a real-time simulation of the major air to air (A/A) and air to surface (A/G) radar systems. MARS is designed to be easily integrated with various flight simulators, and is currently used in the Eurofighter flight simulators. The **Fighter Mission Desktop trainer** is also being shown; it is a reconfigurable simulation tool offering a complete sensor simulation displayed in a realistic environment. Finally, the **MALE Battlelab** is being presented. This represents a modular, cost-effective solution for the development, testing and missions simulation for UAVs.

In the field of the digitalisation of the Armed Forces, the **Integration test bed** of Forza NEC is being showcased. It is a shared centre for experimentation, consisting of numerous military networked centres, geographically distributed and characterised by a completely integrated and interoperable environment. Selex ES is also displaying the **virtual shooting range**, a solution for the training of law enforcement and security organisations which have to improve their ability to use firearms.

In the communication simulation domain, Selex ES will also be showing **NCSE**, the Network Communication Simulation Environment. It is a solution that allows the simulation of any system – from sensors to mobile networks and infrastructure – in order to evaluate the scalability, survivability, availability, and network reliability before they are made operational. The company will also introduce the **Swave HH**, a portable radio channel for secure tactical communications, and the **LRT-350**, a computer specifically designed for vehicular applications which performs computational power particularly well, and which is essential for Command, Control and Navigation (C2N) applications.

Selex ES is also present on the Italian Carabinieri's stand with the **Sicote** system which is employed for the support to the investigation and control of territory.