

Santiago, 23rd - 28th March 2010

SELEX Sistemi Integrati at FIDAE 2010

On display: RAT 31DL/M, KRONOS 3D radar, ATM demonstrator (A-SMGCS), ADS-B Ground Station (MXC)

SELEX Sistemi Integrati, a Finmeccanica Company, designs and develops Large Systems for Homeland Protection, systems and radars for air defence, battlefield management, naval warfare, coastal and maritime surveillance, air traffic control and turn-key airport solutions, backed up by full customer support.

With its fifty-year track record in system integration and a customer base in no less than 150 countries, SELEX Sistemi Integrati can rely on a huge capability in systems integration, simulation, engineering, software design, and production of advanced technology systems and components.

SELEX Sistemi Integrati in the South American area

From naval systems to air traffic control and air defence products, SELEX Sistemi Integrati, can rely on a long traditional relationship with several Latin American countries with a wide range of its products spread all over the South American area.

In particular in Brazil, where the company first installed its naval systems on the Brazilian Niteroi Frigates and Inhauma corvettes in the early seventies, SELEX Sistemi Integrati, which has also been providing its air traffic control and air defence radar systems in the years, is going to open a Branch Office, SELEX Sistemi Integrati do Brazil. The office will enhance the company's presence in the area and especially help promoting its naval systems, Homeland Security systems for land, maritime and boarder control, air defence and ATC systems and Vessel Traffic Systems (VTS) for port security.

Also in Venezuela and Argentina the company has been selling its ATC and naval systems since the early seventies, while in Colombia SELEX Sistemi Integrati, that has been in the Country for 30 years, has supplied the 80% of Air traffic Control systems. Just in Colombia, the company has recently signed a contract for the hardware and software upgrade of the primary ATCR33M and secondary SIR-M radars installed into El Dorado airport in Bogotá.

Strong of its legacy systems' success worldwide, SELEX Sistemi Integrati in Chile is now promoting its RAT31DL, both in the fixed (Fixed Air Defence Radar) and deployable (Deployable Air Defence Radar) version.

SELEX Sistemi Integrati takes part to FIDAE 2010, into Finmeccanica stand B7, by displaying its RAT 31DL/M (DADR- Deployable Air Defence Radar), the KRONOS naval radar and an ATM demonstrator.

Products on display:

RAT31DL/M (DADR)

RAT 31DL/M (DADR- Deployable Air Defence Radar) is the mobile version of RAT 31DL. It is an advanced L-band (NATO D- band) solid state phased array, 3D air defence radar, effective to a range of over 450 kilometres, is a state-of-the-art L-band solid state phased

array, 3D surveillance radar, with advanced architecture incorporating multiple simultaneous phase controlled pencil beams, all proven solutions already in use in many radars of the same family.

RAT 31/DL can operate in full frequency agility mode, guaranteeing resistance against Anti- Radiation Missiles (ARM) and Electronic Counter Measures (ECM).

SELEX Sistemi Integrati è la società di Finmeccanica che progetta, realizza e commercializza Grandi Sistemi per l'Homeland Protection, sistemi e radar per la difesa aerea, la gestione del campo di battaglia, la difesa navale, la gestione del traffico aereo ed aeroportuale, la sorveglianza costiera e marittima.

Cinquant'anni di esperienza nell'integrazione di sistemi ed una clientela in ben 150 Paesi, consentono a SELEX Sistemi Integrati il pieno dominio delle tecnologie abilitanti, autentico codice genetico dell'azienda e presupposto di un'ampia offerta commerciale di soluzioni e prodotti all'avanguardia, corredata da un moderno supporto logistico.

Con circa 4.200 dipendenti e sedi principali in Italia, Regno Unito, Germania e Stati Uniti, SELEX Sistemi Integrati è in prima fila anche nella Ricerca & Sviluppo, grazie ad investimenti annui pari al 20% del valore della produzione.

RAT 31DL meets the latest NATO standards, has full NATO interoperability, and has been developed to meet future defence requirements.

RAT 31/DL is the most sold radar system in the NATO area in the last six years. In fact of the nine countries worldwide having acquired a total of 34 radar systems, seven of them belong to NATO.

KRONOS

KRONOS 3D is a 3D, multi-role, medium range, C-Band radar whose main role is the surveillance of the surrounding space to detect, track and identify targets and to provide the weapon system with target indication. It is manufactured in two different versions for naval (KRONOS NV) and land (KRONOS Land) missions.

KRONOS 3D has been sold in Italy and abroad for a total of 13 radar systems both in naval and land configurations. Among these, the most recent success for KRONOS 3D radar systems relates to a contract signed within the "Falaj 2" project to equip stealth patrol vessels in the United Arab Emirates. It represents a great international sales success for this type of radar, which has many competitive advantages over its rivals in the same class.

A-SMGCS

SAIL, SELEX Sistemi Integrati A-SMGCS Integrated solution, is a modular and flexible ASMGCS designed to be deployed at a wide range of different airports.

SAIL supports the full integration between Tower, Approach and En-Route Air Traffic Management Centres, through the sharing of surveillance, flight, safety net and meteo data, assuring the Labelling continuity (track/call sign association) and the silent transfer of control between Tower and APP ATCOs (hand-over). The presented console works on disconnected mode, with a fallback Flight Data Processor. The Tower Control Working Position presented integrates the new COTS technology of Tablet/touch screen display, fully dedicated to the Electronic Flight Strip Management, from which the controller is able to automatically insert all the system orders toward the Flight Data Processor with a simple pen-touch on the screen.

Automatic Dependent Surveillance Broadcast: MXC

MXC (Mode-S eXtended squitter Capability) is the high performance ADS-B (Automatic Dependent Surveillance - Broadcast) Ground Station for en-route, terminal and airport surveillance application, compliant with the 1090 MHz Mode-S Extended Squitter standard.

MXC distributes the collected surveillance information to ground ATM systems and is also capable to receive and decode other Mode S defined messages transmitted by aircraft in reply to interrogations made by Mode S radars.