

Amsterdam, 9th - 11th March 2010

SELEX Sistemi Integrati at ATC Global 2010

SELEX Sistemi Integrati, a Finmeccanica Company active in the sectors of electronic systems for Air Defence, Naval Applications, Air Traffic Management and Airport, is exhibiting at the 2010 edition of ATC Global, the major ATC event in Europe, taking place in Amsterdam from 9th to 11th March 2010.

The mastery of technologies and critical capabilities in the domain of Large Systems enable the company to offer global solutions for Air Traffic Management Systems, including turn key airport systems. From meteorological systems to ATC sensors, from ground stations to airspace traffic management, the company offers a total capability portfolio, proposing itself as an ideal technological partner for turn-key infrastructures, taking on the responsibility for designing, producing, installing and setting up the operational configuration.

The steady commitment of SELEX Sistemi Integrati in the international field to define new standard for air traffic management systems, is confirmed by its presence in the main international programmes such as SESAR (Single European Sky ATM Research) and Co-Flight (programme among Italy, France and Switzerland).

The subsidiary companies SELEX Systems Integration Ltd (ATM systems and consultancy services), SELEX Systems Integration Inc. (navigation aids) and SELEX Systems Integration GmbH (weather surveillance) further enforce the capability of the company to provide global solutions in the ATM and airport domains.

SELEX Sistemi Integrati is into stand H400A in Hall H, with its air traffic management and airport system CLIO, with GRACE for air traffic navigation performances, with IDS air traffic auxiliary information, and MXC, an Automatic Dependent Surveillance Broadcast.

On display

Air Traffic Management and Airport System: CLIO

At ATC Global 2010 SELEX Sistemi Integrati presents CLIO advanced product baseline for Air Traffic Management and Airport Systems.

Two en-route and tightly integrated approach suites supporting all operational roles are deployed each one composed of four Controller Working Positions and fed by surveillance and correlated flight data management systems together with Safety Nets, MONitoring Aids and Medium Term Conflict Detection functionalities.

The demonstrator is completed with a fully integrated Touchscreen Multibay System mainly composed of a new Human Machine Interface supporting delivery, ground and tower controller tasks through an intuitive electronic flight strip system. The SELEX Sistemi Integrati Touchscreen Multibay System has been designed to accommodate any kind of operational procedure and controller needs being organised in a multi-bay working-area reflecting the effective controller ATC flow.

Air Traffic Navigation Performances: GRACE

GRACE provides air traffic controllers with information regarding the performance of the global navigation satellite system (GNSS) (the global positioning system – GPS and the Satellite Based Augmentation System - SBAS) service in terms of Required Navigation Performance (RNP) parameters; GRACE is able

SELEX Sistemi Integrati, a Finmeccanica company, designs and develops Large Systems for Homeland Protection, systems and radar for air defence, battlefield management, naval warfare, air traffic control, coastal and maritime surveillance. Fifty years of experience in system integration have created a customer base in no less than 150 countries. SELEX Sistemi Integrati has complete mastery of the advanced technologies involved – the company's true wealth and expertise – as well as an extensive commercial offer of state-of-the-art solutions and products, backed up by full logistic support. With about 4,200 employees and plants in Italy, the UK, Germany and the USA, SELEX Sistemi Integrati is a leader in research and development thanks to annual investments amounting to 20% of the revenue.

to provide the “Tower GNSS” and the “APP GNSS” ATC controllers with both tactical and strategic information concerning the GNSS service status and produces information for the generation of GNSS NOTAM compliant with ICAO and EUROCONTROL Standard.

Air Traffic Auxiliary Information: IDS Console

The Information Display System (IDS), an Aeronautical Information Service (AIS) system, is a hardware and software platform capable of receiving, collecting and distributing different information disseminated across the AIS offices. The data and the images received from different sources are displayed on a visual interface that is entirely configurable. Such configuration tool allows the AIS to be easily adaptable to the different user requirements such as ATC personnel requires. The Human Machine Interface can be customized and defined according to the different type of user.

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.