

Washington, 2<sup>nd</sup> – 5<sup>th</sup> November 2008

### **SELEX Sistemi Integrati at ATCA 2008**

SELEX Sistemi Integrati, a Finmeccanica company, world leader in design and manufacturing of systems and radars for defence and air traffic control management and airport systems, takes part to the 2008 edition of ATCA, Washington.

The mastery of technologies and critical capabilities in the domain of Large Systems enables 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 company has provided radar systems and centres in more than 150 countries worldwide. Its continuous success confirms SELEX Sistemi Integrati as one of the leading companies in the ATM domain.

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

The subsidiary companies SELEX Sistemi Integrati Ltd. (military and commercial field of ATM), SELEX Sistemi Integrati GmbH (meteorological expertise) and SELEX Sistemi Integrati Inc. (navaids) further enforce the capability of the Company to be a total solution provider in the ATM domain.

Located in Kansas, the American subsidiary SELEX Sistemi Integrati inc., in particular, provides a complete line of ground based navigation and landing aids, and is a premier supplier of systems, equipment and services to aid the in-flight navigation, landing and ground movement of aircrafts under all visibility conditions.

At ATCA 2008 SELEX Sistemi Integrati displays its capabilities in Air Traffic Control Management Systems by presenting:

#### **ATM Demonstrator**

The ATM demonstrator by SELEX Sistemi Integrati consists of an A-SMGCS (SAIL) and an Automatic Dependant Surveillance-Broadcast (ADS-B) system. SAIL, A-SMGCS Integrated solution by SELEX Sistemi Integrati, is a modular and flexible A-SMGCS suitable to a wide range of airports. The demonstrator shows one Tower/Ground Controller Position, deployed by SELEX Sistemi Integrati in Rome Fiumicino and Milan Malpensa International Airports. The SAIL Controller Working Position (CWP) provides an integrated presentation of airport surrounding airspace and surface traffic. Multilateration System installed in Malpensa relies on a network of ten ground stations, managing standard/extended squitters and on real-time replies. The ATM demonstrator includes as well an ADS-B presentation, relevant to Rome Fiumicino Airport traffic. Recorded data are gathered through an ADS-B 1090ES Ground Station (MXC) by SELEX Sistemi

Integrati, a high performance ADS-B (Automatic Dependent Surveillance - Broadcast) Ground Station for en-route, terminal and airport surveillance applications, compliant with the 1090 MHz Mode-S Extended Squitter standard.

***GRACE – GNSS ATC Interface***

GRACE (GNSS ATC Interface) through which the ATC operators can monitor and execute time predictions of GNSS performance over the air routes, suitable from en-route and approach flight phases further than the airport surveillance.

**DME Model 1118A:** already operative in more than 55 nations, SELEX Distance Measuring Equipment (DME) has a field-proven record of performance for en-route and precision approach landing applications. Available in low and high power configurations (Models 1118A and 1119, respectively), SELEX DMEs offer high reliable operation, advanced performance and easy maintenance. SELEX DMEs interface to any kind of ILS and VOR Systems available today, and meet or exceed ICAO Annex 10 recommendations.

**Remote Control and Status Unit (RCSU) model 2238:** The state of the art navaid remote monitoring system. The cornerstone of this system is the model 2238 Remote Control and Status Unit (RCSU), which was developed along with the Department of Defence. The 2238, combined with the company's enhanced RMM capability, provides complete remote control and maintenance of a network of Navaid's airport - wide or even countrywide. The model 2238 is available for ILS VOR and DME, but can also monitor manufacture's Navaid's. The main feature of the 2238 and the RMM capability results in significant reduction of operations and maintenance costs.