

Le Bourget Paris, 27<sup>th</sup> - 31<sup>st</sup> October 2008

## **SELEX Sistemi Integrati at Euronaval 2008**

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.

### **SELEX Sistemi Integrati's systems and sensors for naval missions**

In the naval domain SELEX Sistemi Integrati's strength lies in its fifty year long experience witnessed by more than 100 naval units and 40 different customers worldwide. SELEX Sistemi Integrati is at the forefront in the development, production and supply of integrated combat systems, combat management systems, command and control systems, target control systems, radar and electro-optical sensors, simulation and training systems.

SELEX Sistemi Integrati is a key player in the French-Italian program FREMM for the supply of 27 (10 to Italy and 17 to France) new generation Multimission frigates. Within this program the Italian Company has an important role as major supplier of leading-edge technology based on last generation systems, already developed for two other major naval programs for the Italian Navy for which SELEX Sistemi Integrati is the main supplier: the Horizon Frigates and the new aircraft carrier Cavour. Also for these programs SELEX Sistemi Integrati is the leading supplier for the Combat Management System (CMS) which will guarantee a total interoperability. In particular on the Cavour aircraft carrier the Italian company has also supplied the new generation IFF radar, the RAN 30X/I medium range radar, the NA-25 fire control system, the RAN 40L long range radar and EMPAR radar system.

SELEX Sistemi Integrati is also present in many international programs such as the new Baynunah Corvettes for the United Arab Emirates.

SELEX Sistemi Integrati also has a long experience in designing and delivering coastal, surveillance systems, sea surveillance systems and vessel traffic management systems, counter piracy, smuggling, illegal immigration, illegal fishery, and to ensure safety at sea.

SELEX Sistemi Integrati has already sold many VTMS systems, in Italy (the widest net), Poland and, recently, in Yemen.

SELEX Sistemi Integrati participates at the 2008 edition of Euronaval, the world's leading international exhibition of naval armaments, displaying its capabilities in naval systems within the Finmeccanica stand by presenting a Vessel Traffic Management System, a Combat Management System Console, a System Integration and Acceptance Centre (SIAC) console.

## ***Products on show***

### **Vessel Traffic Management System**

In the naval sector SELEX Sistemi Integrati has developed an integrated Vessel Traffic Management System network to cover and manage a wide geographical area, such as its first widest application: the Mediterranean basin. The system architecture is based on multiple control layers, identified as: Local, Area and Central, interacting at different operational levels. Each level supports the operational coordination and decision accordingly with its mission. The local stations in this architecture directly collect data from the Sensor Sites and interact with traffic. The VTMS developed by SELEX Sistemi Integrati are available in fixed, transportable and mobile versions.

The Italian nation-wide VTS is an example of Network-Centric Integration of maritime, operational, safety and security services, guaranteeing a full, real time coverage of 7,500 kilometres along the Italian coast, thanks to a National Centre, 14 Area Centres allocated into Maritime Directions which receive information from 82 local sites, 100 sensors sites and three mobile units.

### **IPN-S – Combat Management System**

SELEX Sistemi Integrati boasts a dedicated exhibition area inside the Finmeccanica stand, housing a typical interforce mission, enabling the study of the huge capabilities in command and control architectures that can be applied to a targeted battlespace.

The IPN-S Combat Management System integrates combat system sensors, weapons, EW (ESM/ECM) systems, tactical data links and navigation systems into a main system, providing the command team with the facilities to operate the combat system to fulfil the ship operational tasks and missions.

Thanks to its scalar architecture the IPN-S is a solution for any type of vessel starting from Patrol Vessels through Aircraft Carriers.

It can be customized to meet the ship role and operational requirements.

Any component is fully redundant, assuring “no break” level resilience and graceful degradation. The IPN-S combat management systems are already boarded on the Horizon class frigates, the aircraft carrier Cavour and will also equip the new FREMM frigates.

### **System Integration and Acceptance Centres (SIAC)**

SIAC-System Integration and Acceptance Centres by SELEX Sistemi Integrati support the whole life-cycle of a Combat System, from design to development, integration, training and maintenance. SIACs are integration environments consisting of a simulation system, replicating the real system representation. SIACs allow systems integration before their setting on board and permit acceptance tests. They also guarantee interoperability tests, systems' evaluations as part of a Large System, and the possibility to evaluate new capabilities within net-centric architectures. This ability allows its employment by other companies of Finmeccanica Group.

SIACs assure the remote control of the equipments.

SIACs are available for Combat Systems, Surveillance Systems and Vessel Traffic Management Systems.