

## **Galileo Avionica at IDEF**

**Galileo Avionica is among the top international players in mission electronics, avionics, electro-optics, UAVs, training and simulation activities.**

A key asset of Finmeccanica Defence Electronics business, Galileo Avionica is highly engaged to support the corporate expansion strategy in the fast growing international defence electronics and security market, qualifying as a worldwide provider of integrated solution and capabilities, offering a comprehensive through life capability management.

Galileo Avionica is pursuing its own growth, by exploiting all opportunities offered by the open market where it can enjoy a significant track record. Beside the domestic and European markets, Galileo Avionica is focusing a great deal of its marketing effort in the emerging markets.

In these drives, Finmeccanica worldwide presence provides further opportunities to step into the main international and transatlantic cooperative programmes.

With its cutting-edge technologies, Galileo Avionica already participates in the key international programmes: EH101, Eurofighter, NH90, AGS/NATO, Tornado.

### **At IDEF 2007, Galileo Avionica is displaying the following products:**

**THE FALCO UAV SYSTEM:** Falco is a Tactical UAV System, designed to perform civil and military surveillance and Homeland Security missions. The Falco deployability, endurance, survivability, its wide suite of payloads together with its 24/7 all-weather capability, allow it to perform mission ranging from border patrol, immigration prevention, law enforcement, power and pipe lines surveillance, illegal fishery prevention, up to forest fires prevention and environmental monitoring. The Ground Control Station, a basic part of the system, enables mission planning and re-tasking, mission simulation for operator training, mission rehearsal and play back.

**SPN 730 LPI:** The SPN-730 is a shipborne radar for Navigation and Surface Surveillance very compact and suitable to be installed onboard of vessels and submarines, integrated with conventional navigation radar and ESM/EW devices, allowing alternative Navigation and LPI modes of operations. SPN-730 implements a state of art system conceptual solution based on solid state transmitter, intrinsic pulse Doppler coherent configuration, digital pulse compression, advanced signal processing.

**AMS:** Aircraft Management System (AMS) is dedicated to Aircraft Plants Management, Flight Management, and Cockpit Management functionalities. For these purposes it interfaces most of the Helicopter systems and sensors in order to acquire, process and manage aircraft plant, EFIS/EICAS, relevant CNI equipments and AFCS, in a reliable, high performance environment. AMS is composed by two Aircraft & Mission Management Computers (AMMC), in redundant configuration, a Control Panel (AMMCP), providing human interface for redundancy functionality and one DTU, to perform data upload and download.

**JANUS:** Janus is an Electro-Optic Platform, two axes stabilized with medium-high stabilization and position accuracy. The sight is a modular sensor head composed of a support pedestal and two axes servo unit equipped by electro-optical sensors (Thermal Imager, Video Camera and/or Laser Range Finder). JANUS can be used as Optronic Observation Equipment or a Fire Control System, both on Ground and Naval applications, where a passive control of specific areas is required.

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