Sagem at Euronaval 2012: innovative products and services for today's demanding navies

Paris, le Bourget, Euronaval 2012, October 22, 2012. Sagem (Safran group) keeps its fingers on the pulse of the maritime market, with innovative new offerings in navigation, optronics and self-defense systems for front-line combat units, coast guards and commercial shipping. At this year's Euronaval naval defense and maritime exhibition, Sagem will be showcasing its products and expertise in five main areas: submarines, surface vessels, marine units, airborne surveillance and, for the first time, navigation systems for commercial ships. It will also be offering dynamic demonstrations.

New Sagem products showcased at Euronaval 2012 include the following.

**Multifunction optronic systems for fast patrol boats.** Addressing the needs of maritime protection missions, Sagem offers an integrated cockpit including optronic sensors and light, remotely-operated weapons. This system combines surveillance and fire control capabilities, and comprises a Vigy Observer gyrostabilized optronic turret, a Sea Wasp turret (developed in conjunction with Panhard) with a 7.62mm weapon, and Lukeos Naval infrared episcopes for a panoramic view of the surrounding environment. The Vigy Observer joins the EOMS NG range designed for panoramic surveillance and fire control of large-caliber weapons.

**Optronic surveillance mast.** The latest member of Sagem's submarine product line, the optronic surveillance mast is a compact unit with a complete suite of optronic sensors: HDTV color cameras, infrared and image intensification sensors, laser rangefinders and more. Fully integrated in the combat system, this mast supports new operating modes, since it can transmit panoramic video from all sensors to multifunction control work stations, especially the DCNS Subtics model.

**BlueNaute™.** A new family of attitude and heading reference systems for commercial ships, BlueNaute™ is based on Sagem's patented hemispherical resonant gyro (HRG) and offers extended lifetime and very high reliability. BlueNaute™ perfectly meets all requirements of the International Maritime Organization and the Safety of Life at Sea (SOLAS) treaty.

Sagem's optronics, navigation and self-defense solutions have been selected for some of the latest naval programs around the world: Suffren class nuclear submarines in the Barracuda program, Aquitaine class European multimission frigates (FREMM), the Adroit ocean-going patrol boat, Baynunah corvettes (United Arab Emirates), Scorpène class submarines, air defense destroyers and aircraft carriers (Australia), and the NH90 Caiman, Panther MKII and EC725 Caracal.
Sagem, a high-tech company in the Safran group, holds world or European leadership positions in optronics, avionics, electronics and safety-critical software for both civil and military markets. Sagem is the No. 1 company in Europe and No. 3 worldwide for inertial navigation systems (INS) used in air, land and naval applications. It is also the world leader in helicopter flight controls and the European leader in optronics and tactical UAV systems. Operating across the globe through the Safran group, Sagem and its subsidiaries employ 7,500 people in Europe, Southeast Asia and North America. Sagem is the commercial name of the company Sagem Défense Sécurité.

For more information: www.sagem-ds.com

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