



PRESS RELEASE

THE ITALIAN COAST GUARD TRUSTS IN A.ST.I.M. FOR THE CONTROL OF THE TERRITORIAL WATERS: THEY WERE INSTALLED ONBOARD ITS PATROL BOATS THE MISSION SYSTEMS FOR SEARCH AND RESCUE OPERATIONS PRODUCED BY A.ST.I.M.

Ravenna June 29th. 2017 – The **territorial waters** have become, over the years, a very sensitive component of the state's security and, at the same time, an element of the ecosystem which must be preserved accurately beside the proliferation of environmental emergencies. For this reason, the corps responsible of their surveillance and protection need sophisticated equipment with high performance for emergency management at sea, for maritime search and rescue, and for the protection of the environment.

To meet these demands the A.ST.I.M.'s system was born. Destined to the Search and Rescue mission, the last one was commissioned to the Company for one of the **class 300 patrol boat** of the **Italian Coast Guard**. After the installation onboard the Class 900, 800 and 400 (including the supply vessel Gregoretti and the patrol boat Ingianni), the equipment is also supplied to the **CP 328, "Admiral Francese"**, to be used by the **Coast Guard of Ravenna**; this unit is the same type of those used several times in the "Mare Sicuro" Operations, launched for the Mediterranean control two years ago, in particular way after the Libyan crisis. The vessel, thanks to the A.ST.IM **SeaGuardian Tactical Mission System/EOSS-7a**, the **Naval Emergency Management System** installed a few weeks ago, will be able to collect information about the sea situation (and constantly trace it) through IR/TV sensors, as well as through the radar and AIS images and data, to give at any time the real operational scenario in the monitored area.

SeaGuardian TMS/EOSS-7a has been chosen by the Italian Coast Guard as it meets the **technical and operational requirement** claimed by this Corp and represents, today, the state of the art among the naval mission systems specifically those designed for the management of complex naval operations, dual-use type, such as **research and rescue** or the **safeguard of the marine environment**. **SeaGuardian TMS** is able to represent a very complex scenario on a digital cartography, using the radar tracks, AIS targets, or other discovery systems. The operator can use, at his choice, different types of digital maps depending on the tactical/operational situation where he is operating (such as the modern Blue Marble maps or the traditional Navionics and ENC ones); he may also choose to represent all targets on fused way ("data fusion"), or filter them by type and discovery sensor, as well as to manage pre-coded and digitized search grids and patterns. Using four different target-tracking algorithms, to which are added other three different video tracking methods, to operate even in extreme weather conditions, keeping always the target pointed. The onboard operators can display images, system and tactical data from any monitor installed on board, while a workstation is dedicated to manage the command and control capabilities provided by the system.

The special Surveillance Sensor **SeaGuardian EOSS-7a** is characterized by his higher technological conception, for mid-range day and night vision performances with a special focus on cyber-security. In fact, all data and images produced are recorded and if necessary, sent to the remote control rooms in safe way, we mean protected by a sophisticated encryption system. The mission system is projected to receive, transmit and share tactical data and target images discovered by sensors who are directly connected on-board or remotely controlled (installed on board other vessels or in ground station and interconnected via radio data link), giving in this way an efficient collaborative system with very high performance which help to reduce the time of operation increasing chances of success.



Following to the installation of the system, recently, the operator's training was also completed, by A.ST.I.M's specialists, envisaging simulation of situations during the classroom and during the activities at sea.

Over the next few weeks, as a testimony to the established partnership between A.ST.I.M. and **Coast Guard**, will begin the intervention onboard **another SAR unit**, this time it is a **class 800**. This new order involves the supply, installation and commissioning of new and advanced navigation and discovery system, based on a latest generation radar sensor in solid-state with medium-discovery capabilities. This will be then complemented by: the subsystem of electronic cartographic management, the echo sounder for detecting and measuring the seabed and an advanced data representation system with another redundant operator interface.

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A.ST.I.M. Ltd. operates in the design and development of high-tech systems. Active mainly in the aerospace and defense sectors, its solutions are also appreciated in other areas such as security, strategic infrastructure and naval. The different product lines are now used in helicopters, civil and military naval units and emergency vehicles, as well as in defense of many strategic sites. The feather in company's cap is the THERMONAV® product family that, thanks to a wide range of sensors and technologies able to cover the entire electromagnetic spectrum, can operate in air, sea and land, I mean wherever high performance and operational capabilities are required. A.ST.I.M has always been linked to its origins and the industrial field in which it was developed. It also provides automation and management systems to some market leaders in the industry sectors for their production lines.

Maurizio Minghelli, CEO and founding partner of the company, in addition to defining the A.ST.I.M business strategies is also the head of the R&D division, currently engaged in the development of new solutions for Special Forces operations and other new products for markets that, in the future, may be with strategic importance.

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