

**PROGRAMMABLE EO/IR SEEKER EMULATOR FOR
ELECTRONIC DEFENCE COUNTERMEASURES EFFECTIVENESS ASSESSMENT**

Trieste, August 5th, 2020 – INSIS, a Fincantieri Group company, has been awarded, under the restricted procedure, the European tender for the supply of a programmable EO/IR (electro-optical/infrared) seeker emulator for Electronic Defence systems countermeasures effectiveness assessment.

The supply, requested by the Italian Ministry of Defence - Secretariat General of Defence / National Armaments Directorate (SGD-DNA) - General Directorate of Naval Armaments (NAVARM) - 3rd Department (Combat Systems) - 8th Division - Surface Systems and Weapons - involves the design and development of a support system for verification and validation of techniques to defend against electro-optical/infrared (EO/IR) guided missiles, represented by countermeasures such as flares and DIRCM systems combined with evasive manoeuvres actuated by Italian Navy ships.

The system, composed of a multi-sensor gyro-stabilized hardware unit, transportable aboard naval ships or deployable in firing ranges, integrated with a software component developed ad hoc for simulation of engagement and tracking techniques typical of various types of missile seekers, will enable assessment of a scenario in which a missile threat, simulated primarily by the system in question, is directed at a naval ship under test.

The system will also be designed to support verification and validation of anti-air missile countermeasure systems installed onboard self-protected aircraft or helicopters.

The programme will have an overall duration of about 30 months and will end with the performance of field test campaigns carried out in collaboration with the Italian Navy's Naval Experimentation and Support Centre (CSSN-ITE) based in Livorno.

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Fincantieri is one of the world's largest shipbuilding groups and number one for diversification and innovation. It is leader in cruise ship design and construction and a reference player in all high-tech shipbuilding industry sectors, from naval to offshore vessels, from high-complexity special vessels and ferries to mega yachts, as well as in ship repairs and conversions, production of systems and mechanical and electrical component equipment, cruise ship interiors solutions, electronic systems and software, infrastructures and maritime constructions as well as after-sales services. With over 230 years of history and more than 7,000 vessels built, Fincantieri has always kept its management offices, as well as all its distinctive engineering and production skills, in Italy. With over 9,500 employees and a supplier network that employs nearly 50,000 people in Italy alone, Fincantieri has enhanced a fragmented production capacity over several shipyards into a strength, acquiring the widest portfolio of clients and products in the cruise business. To hold its own in relation to competition and assert itself at global level, Fincantieri has broadened its product portfolio becoming world leader in the sectors in which it operates.

The Group now has 18 shipyards operating in four continents, nearly 20,000 employees, and is the leading Western shipbuilder; its clients include the world's biggest cruise operators and the Italian and the US Navy as well as numerous foreign navies. Fincantieri is also a partner of some of the main European defence companies within supranational programs.

Fincantieri's business is widely diversified by end markets, geographical exposure and by client base, with revenue generated from cruise ship, naval vessel, Offshore and Specialized Vessel construction and from the supply of solutions for electronic systems and software and for maritime infrastructure and works. Compared with less diversified players, such diversification allows it to mitigate the effects of any fluctuations in demand on the end markets served.

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