

PRESS RELEASE

ELETTRONICA WILL EQUIP U212 NFS SUBMARINES WITH ITS ELETRONIC WARFARE SUITE

Rome, 10th May 2021 – Elettronica announces the signature of a supply contract with Fincantieri for the Electronic Warfare Suite of the new submarines of the Italian Navy, in the framework of the U212 NFS Programme managed by OCCAR (Organisation Conjointe de Coopération en matière d'Armement). The contract includes the provision of two suites for the first batch of platforms and two additional systems as an option for future batches.

Elettronica is already supplier of the Electronic Warfare equipment in the framework of FREMM and PPA Programmes managed by OCCAR and aims to extend the cooperation to EU co-funded projects.

Current conflicts are dominated by the ones reaching in advance the electronic supremacy of the battlefield. No mission can be successfully accomplished without prior knowledge of the electronic Order of Battle. The Electromagnetic Spectrum Operation (EMSO) is then a key enabler for many diversified operations.

In the Underwater Domain, EMS Management and Superiority support the submarine's capability to operate without influencing the scenario directly.

The typical mission profile of a stealth platform like a submarine couldn't be performed without implementing effective Self-Protection capabilities needed to enhance the survivability in very high-risk areas.

Both in times of crisis and in peace-keeping operations, the specific role of Surveillance and Reconnaissance requires also SIGINT activities (COMINT, ELINT)

The Electronic Warfare Suite designed for the Italian Navy U212 NFS Submarines represents the most technologically advanced and innovative answer to those needs in the underwater domain.

Actually, through a very high level of functional integration the Suite is capable to perform self-protection, surveillance and intelligence tasks granting excellent performances on the whole electromagnetic spectrum, from communication to radar bands.

It integrates the experience gained by Elettronica both in the specific submarine area products and in naval programs as the latest "Legge Navale" of the Italian Navy, combining then maturity with innovation.

The Suite has an integrated RESM/CESM antenna - resulting of more than two years of studies and simulations - that represents the most advanced and performing product of its kind in the market, also for its compact sizes and stealthness capabilities.

Two further antennas are also part of the system, the first with surveillance and detection tasks in the radar band, the later as warning antenna.

Press Office
ELETTRONICA GROUP
Anna Colavita
Press office manager
pressoffice@elt.it – anna.colavita@elt.it
+39.06.4154.332 - +393332025645



Furthermore, the U212 NFS EW Suite contracted by the Italian Navy implements enabling technologies granting a very high level of digitalization allowing great performances also in a very dense and complex electromagnetic environment, where most of the EW Suites in the market would be quickly saturated. It relies on a Software-defined architecture, strongly reducing the HW component for a significant improvement of the operational availability, while granting easier maintenance and faster updates.

Finally, the EW Suit will be provided with an Electronic Warfare Management Unit able to collect and manage in an integrated way the information coming from both Radar and Communications EW Sensors enabling an enhanced tactical and strategic awareness of the EW scenario that is mandatory to support Self-Protection, Surveillance and Intelligence operations.

“We are very proud to equip the Italian Navy U212 NFS Submarines, a high profile and performance asset encompassing the excellences of the National Industry for the benefit of the Italian Navy and its operational readiness. We are proud to enrich the versatility of this platform through an Electronic Warfare Suite representing the ideal combination of experience, maturity and innovation, thus offering high performances on the entire communications and radar bands, while ensuring excellent self-protection capabilities and wide Intelligence information gathering”, said Domitilla Benigni, COO & CEO of Elettronica.

About Elettronica

Elettronica has been at the forefront of Electronic Warfare for 70 years, supplying over 3000 high-tech systems to the armed forces and governments of 30 countries. Elettronica’s systems are designed for a variety of operational missions, from strategic surveillance, self-protection, intelligence gathering, electronic defence and operational support for the sea, land and air domains. The company boasts a strong list of successful national and international collaborations on major programmes like the Tornado fighter, the Eurofighter Typhoon combat aircraft, the NH-90 helicopter, the Italian offshore patrol vessel and the Franco-Italian Horizon and FREMM warships. The company is part of **Gruppo Elettronica** which also includes CY4GATE, specialising in Cyber EW, Cybersecurity and Intelligence; and Elt GmbH, a German subsidiary specialising in the design of Homeland Security systems.

Press Office
ELETTRONICA GROUP
Anna Colavita
Press office manager
pressoffice@elt.it – anna.colavita@elt.it
+39.06.4154.332 - +393332025645

