



# **ELT Group at Farnborough International Airshow**

## **The Group will show its innovative solutions in the field of electromagnetic spectrum operations**

*Farnborough, 22<sup>nd</sup> July*

ELT Group is attending the 2024 edition of the Farnborough International Airshow, from 22 to 26 July, with its innovative solutions in the field of electromagnetic spectrum operations in all operational domains.

A constant activity in R&D is behind the technology trend that sees new solutions increasingly oriented to the needs of interoperability and integrated management of the electromagnetic spectrum across all operational domains, extending capabilities to space and cyberspace.

ELT Group continues its important role in upgrading the self-protection system of the EFA Typhoon aircraft to enable the platform to operate at its best in the years to come, in a context of continually evolving operational requirements and with technological solutions that will facilitate the transition to the future generation of fighter aircrafts. Moreover, thanks to the experience and know-how acquired, ELT Group is a partner in the Isanke & ICS domain of GCAP, the programme for the development of the sixth generation fighter aircraft.

The Group has developed advanced solutions to offer a complete defence capability, providing alarm, surveillance, intelligence and active countermeasure, in an integrated sensor layer with an embedded management capability capable of allocating operational priority between sensors and deep functional integration between them.

The company's offer includes the integrated Virgilius system, for Alarm, Surveillance and Countermeasure functionality. It is conceived to perform emitter detection, classification, identification and to counter a large threat variety and installed on any fixed and rotary wing platform.

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Other solutions can be mounted externally to the platform, such as the EDGE Escort Jamming, that provides the function of self or mutual protection of combat aircrafts, housing Alarm and Countermeasure functionalities in the same architecture.

ELT Group also offers fully digital alarm systems, such as the RWR ELT162, and the new DIRCM ELT577 that, based on Quantum Cascade Laser (QCL) technology, provides a reliable and effective protection of small and medium avionics platforms against surface to air missile threats.

The solutions offered by the company also fall within the scope of countering mini-micro and small drones. In fact, ELT Group's offer includes the ADRIAN (Anti-Drone Interception Acquisition Neutralisation) system, a Counter-UAV solution capable of intercepting and neutralising LSS (Low-Small-Slow) UAVs in different scenarios and environments, including urban ones. Thanks to a modular architecture, the ADRIAN system can be adapted to multiple operational requirements and their continuous evolution. Moreover, with the support of Cy4gate, a company of the group specialising in the Cyber domain, ELT Group has increased the capabilities of Adrian with the 'Cyber RF' functionality, which makes the product capable of detecting and reacting effectively to new and more complex operational scenarios, both military and civil, threatened by new-generation malicious drones.

The Group continues to increase its involvement in the Space EW domain following the launch of SCORPIO, the payload developed by the company and put into orbit last year for electronic intelligence activities. Visitors can find out more about ELT Group's activities in the Space domain on the company's stand (Hall 1 Booth 1340), where the Scorpio model will be on display.

Moreover ELT Research & Innovation Team is working with the NATO Science and Technology Organization CMRE (Centre for Maritime Research and Experimentation) located in La Spezia for a joint Spectrum Monitoring data acquisition. The joint activity encompasses assets deployed at sea. ELT Group is providing data acquisition with its space systems SCORPIO to conduct a joint study exploiting the result of the fielded experiments.



### **ELT Group**

For more than 70 years, it has been a world leader in Electronic Defense systems. Thanks to innovative management of the electromagnetic spectrum, achieved through proprietary and integrated technologies, today the brand is an international Group with a multi-domain approach that also covers Cyber, Space and Biodefense.

By the experience gained through participation in major European Defense programs including Eurofighter Typhoon, FREMM, PPA today ELT Group is present in more than 30 countries in the World with more than 3000 systems supplied, and also participates in the project for the sixth generation avionics platform GCAP (Global Combat Air Programme)

ELT Group is headquartered in Italy, but has a presence in 11 countries located on 3 continents through sales offices and companies of strategic importance and local law in Germany and Saudi Arabia.

Also part of the ELT Group are CY4GATE, which specializes in Cyber security and Cyber Intelligence, E4Life, Italy's first Biodefense company and Solynx Corporation, a US-based technology scouting company.

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