



ELTGROUP

ELT GROUP.
READY TO
TAKE THE
ELECTROMAGNETIC
SPECTRUM
FORWARD.

Global protection through excellent
expertise on EMS.

ELT GROUP: A COMPANY AT THE FOREFRONT OF INNOVATION.

Our company is driven by a profound commitment to shape a safer future. With a rich history spanning 70 years and a presence covering 11 countries located in Europe, Middle East, Asia and USA, we have consistently championed innovation in the field of Electromagnetic Spectrum (EMS), supporting Electromagnetic Spectrum Operations (EMSO) in military and civil applications.

With robust investment in cutting-edge technologies over the last three years, we have been able to address also unconventional application of EMS to find inventive solution for the defense of people, assets and data. Collaborating with research institutions and universities, we have cultivated a virtuous ecosystem for innovation. This collaborative spirit extends to solid partnerships, with the proven willingness and ability of ELT Group to use the enabling mechanisms such as industrial cooperations in sharing with the best technological expressions and research for a win-win expansion, also fortifying our position in any further emerging segment (i.e. cybersecurity). Our relentless pursuit of innovation is always present, whether we refer to IT tangible technology or revolutionary solutions for EMSO, increasingly going hand in hand with sustainability.

This is our way of feeling future-oriented.

Discover ELT Group's identity.

We took ourselves beyond while staying true to ourselves, to fulfill our goal of global protection.

Our journey begins in 1951, when Engineer Filippo Fratalocchi realized the potential of the defense electronics sector. Since then, we have grown to become a national and European champion, as demonstrated by our participation in major defense programs, from EFA to FREMMs and our recent active participation in the sixth-generation fighter GCAP (Global Combat Air Program), as well as an international player present worldwide with 11 establishments and a global footprint. Over the past decades, we have demonstrated our dedication to permanent innovation with intensive research and development to target new goals and counter new threats. We did this in 2014 by visionary creating one of the first cybersecurity and cyber defence company with fully proprietary technology. We continue to do so by looking at pioneering new technologies in electromagnetism to realize globally tailored security solutions, such as the E4Shield technology against respiratory viruses and pathogens. In pursuit of our mission to protect people, assets and data, we also achieve sustainability impact through the creative and responsible application of technical solutions as an unstoppable force for building a safer, more stable and sustainable world.

Tenet: forging the future of security and innovation.

Discover our strategic blueprint for the next decade.

We have strengthened our leadership in strategic Electronic Warfare (EW) and cyber solutions for Defense in the next decade. We envision an evolution that encompasses not only innovation in our core EW competencies, but also ventures into Cyber and Space realms, including solutions for unmanned platforms. With a warm commitment to building a safer, stable, and sustainable world, our plan aims for global expansion, with strategic partnership with worldwide entities. Beyond traditional domains, we've already moved into new competitive arenas, such as Biodefense and Space, staying true to our promise of anticipating and mitigating emerging threats. With this comprehensive strategy we envision growth and innovation, underpinned by proprietary technologies and talent development.

Some data about our future vision.

> 2x

Order intake
by 2030

> 2x

Continuous R&D
to innovate and develop
new proprietary
technologies/systems

> 30%

New talents
by 2030

/01.
DEFENSE

Elevating Defense through EMSO excellence.

In the intricate landscape of Electromagnetic Spectrum Operations (EMSO), we strive for innovation and dedication. Our core expertise lies in the development of state-of-the-art capabilities and proprietary technologies, positioning us as leaders in support to EMSO. At ELT Group, going beyond conventional boundaries is not just a practice; it's a commitment to shape a safer and sustainable world. Our integrated solutions, driven by technical solutions, transcend defense and civil domains, addressing also global protection needs. As pioneers, we've expanded into new domains, offering our expertise and comprehensive multi-domain solutions. The focus on Electromagnetic Defense, Intelligence, Surveillance, Reconnaissance and Cyber ElectroMagnetic Activities underlines our dedication to protecting people, countries, assets, and data.

/02.
CYBER

Cyber domain is crucial for technical sovereignty and safeguarding tomorrow.

We have seamlessly integrated the cyber dimension into our innovative solutions by recognizing the critical landscape of cyber as a new core domain for security, transcending the traditional boundaries of the electromagnetic spectrum operation. Our cyber security focus encompasses several solutions, ranging from cyber resilience of systems to cyber Electronic Warfare. Leveraging the electromagnetic spectrum as a carrier, we have developed specific capabilities for operations in the cyber domain. With foresight, we have anticipated cyber risks in both military and civil contexts, pioneering market positioning and delivering proprietary solutions. In our commitment to cyber resilience excellence, CY4GATE, one of our investee companies, responds to unconventional cyber security demands with proprietary products.

/03. BIODEFENSE

We anticipate future safety frontiers with our Biodefense venture.

An innovative idea, a revolutionary system, a non-invasive technology born on our core competencies and the intuition to take them into new territories, allowed the step into an emerging domain: biodefence.

E4Shield, an expression of our expertise in EMS, is an innovative technology originated during the pandemic from the initiative of an ELT Group employee who decided to investigate the use of electromagnetic fields for inactivating respiratory viruses and pathogens. The action of electromagnetic waves has been rigorously proved harmless to humans by scientific testing and the achievement of the CE and SAR certifications. Moreover the technology has been recently listed by the European Commission's by JRC (Joint Research Centre) study among innovative technologies for defense against pathogenes.

This revolutionary technology has led in 2023 at the creation of the newco E4LIFE, a collaboration between ELT Group and Lendlease. E4Shield destroys respiratory viruses with unprecedented efficacy, boasting unique features such as safety, efficacy and immediacy, and laying the groundwork for further revolutionary applications towards future threats.

/04. SPACE

We expand our horizons by bringing our vision in Space.

Competence in managing EMSO in Space constitutes a strategic capability and a must have technological sovereignty in an environment increasingly crucial for the civil society defence and security. ELT Group has been designing technological solutions to monitor the earth through the electromagnetic signals to and from Space. These spaced-qualified technologies are vital for observing, monitoring, planning and optimizing the use of EMS for communication and navigation in presence of electromagnetic disturbances. Our first multi-phased Space program has landed in April 2023 in the LEO orbit, taking our cutting-edge solutions for intelligence and defense to and from Space. ELT Group roadmap includes also solutions from stratosphere platform for tactical and persistent missions for both intelligence and defense applications including cyber protection for space infrastructures, concretely shaping the future of the defense of the space domain.

/05.

HOMELAND SECURITY & CRITICAL INFRASTRUCTURE

Our commitment to ensure Homeland Security.

We are proud of our role as innovators in the field of Homeland and Public Security, recognizing the unique challenges that organizations face in this area. With cutting-edge technologies and a commitment to excellence, we design and develop solutions with 'dual role' capabilities, tailored to meet the diverse needs of urban and critical infrastructure protection. ELT Group can provide dual-use and civilian anti-drone systems complete with intelligence, surveillance, target acquisition, reconnaissance and soft kill functions via Take Control & Land's proprietary Cyber RF functions. Moreover the Group is able to provide both maritime surveillance, including civilian vessels, through AIS/FINGERPRINTING recognition, and to help Police Forces with integrated audio and video systems in their vehicles. Always focusing on customization, our solutions are entirely conceived, developed and manufactured in-house, ready to handle the full spectrum of security challenges.

/06.

DESIGNING INNOVATION

We nurture innovation for a safer and sustainable tomorrow.

In ELT Group, we enable tangible technologies with a clear goal in mind: offering solutions that will ensure people's safety in a forward-thinking and sustainable way. Technology advancements will enable new missions to be performed by smaller platforms that need systems with reduced dimensions and weight (SWaP requirements - Size, Weight and Power), while increasing efficiency and lowering the footprint. Systems related to EMSO are evolving from complicated (several parts and technologies) to complex (flexible and adaptable systems-of-systems). One of the most amazing methodologies is the Digital Twin, a virtual representation of a system, connected to it throughout its life cycle, to develop experimental activities while avoiding the creation of a physical prototype. Surfing the Industry 5.0 revolution, ELT Group is adopting Artificial Intelligence to operate with limited human control in very crowded and dynamic operational scenarios with high level of threats, to support decision making and to manage very complex systems. Our cutting-edge technology allows us to step in two innovative areas of expertise: Fast Prototyping, to swiftly create internally any prototype to test all our systems, and our know-how in Hydroponic high technology to create confined and completely automatized greenhouses on different scale solutions for multiple scenarios, from Earth to Space applications.

HEAD OFFICE

Via Tiburtina Valeria Km 13,700 - 00131, Rome – Italy

EMAIL info@elt.it - Telephone +39 06 41541

Website www.eltgroup.net

