EDGE at Dubai Airshow 2025: Showcasing Disruptive Technology and Defence Systems for the Future



Experience next-generation autonomous systems, smart weapons, and space-enabled intelligence engineered to give forces a decisive edge.

As aerial capabilities evolve and space emerges as the next frontier, EDGE is driving innovation in advanced mission systems through autonomy, AI, and precision sub-systems. At Dubai Airshow this November, we invite decision-makers and industry leaders to explore our multi-domain portfolio shaping the future battlespace.

From autonomous air systems that enhance operational flexibility to space-enabled solutions that expand strategic advantage, EDGE delivers disruptive capabilities that embody innovation, sovereignty, and operational excellence, advancing the UAE's vision to lead globally in advanced technologies and defence.

Autonomous aerial systems

Unmanned aerial systems (UASs) have proven to be force multipliers in modern warfare operations. They extend intelligence, surveillance, and reconnaissance (ISR) capabilities across a range of mission profiles, enhancing situational awareness and accelerating

decision cycles. By combining AI into electro-optical (E/O) payloads, UASs can detect, identify, and classify targets in real-time, thereby accelerating the delivery of critical data to command-and-control (C2) centres, and enabling faster, data-driven decisions.

EDGE’s autonomous air portfolio delivers these advantages across mission types, from medium-altitude, long-endurance (MALE) UAVs, and logistics to stealth platforms. Our rotary-wing and fixed-wing UAVs combine advanced autonomy with versatile payloads to deliver mission flexibility in the most challenging operational scenarios.

Unmanned combat aerial vehicles (UCAVs) combine high speed, multi-role capability, and advanced aerodynamic design with low-observable characteristics to deliver significantly effective strikes against strategic targets.

This is best demonstrated by JENIAH, a high-speed UCAV built for stealth operations, significantly reducing detectability and improving mission success against modern air-defence systems. Remotely piloted and requiring fewer personnel to operate, it enhances operational efficiency and enables rapid deployment in high-risk missions.

Engineered to perform in extreme environments, these systems give forces operational agility, efficiency, and a tactical edge to stay ahead of evolving threats.

Smart weapons

Today’s battlespace demands smart weapons that are smaller, smarter, and faster, delivering precision effects with maximum efficiency. EDGE’s precision-guided munitions (PGMs) are engineered to increase flexibility, accuracy, and safety across all mission profiles.

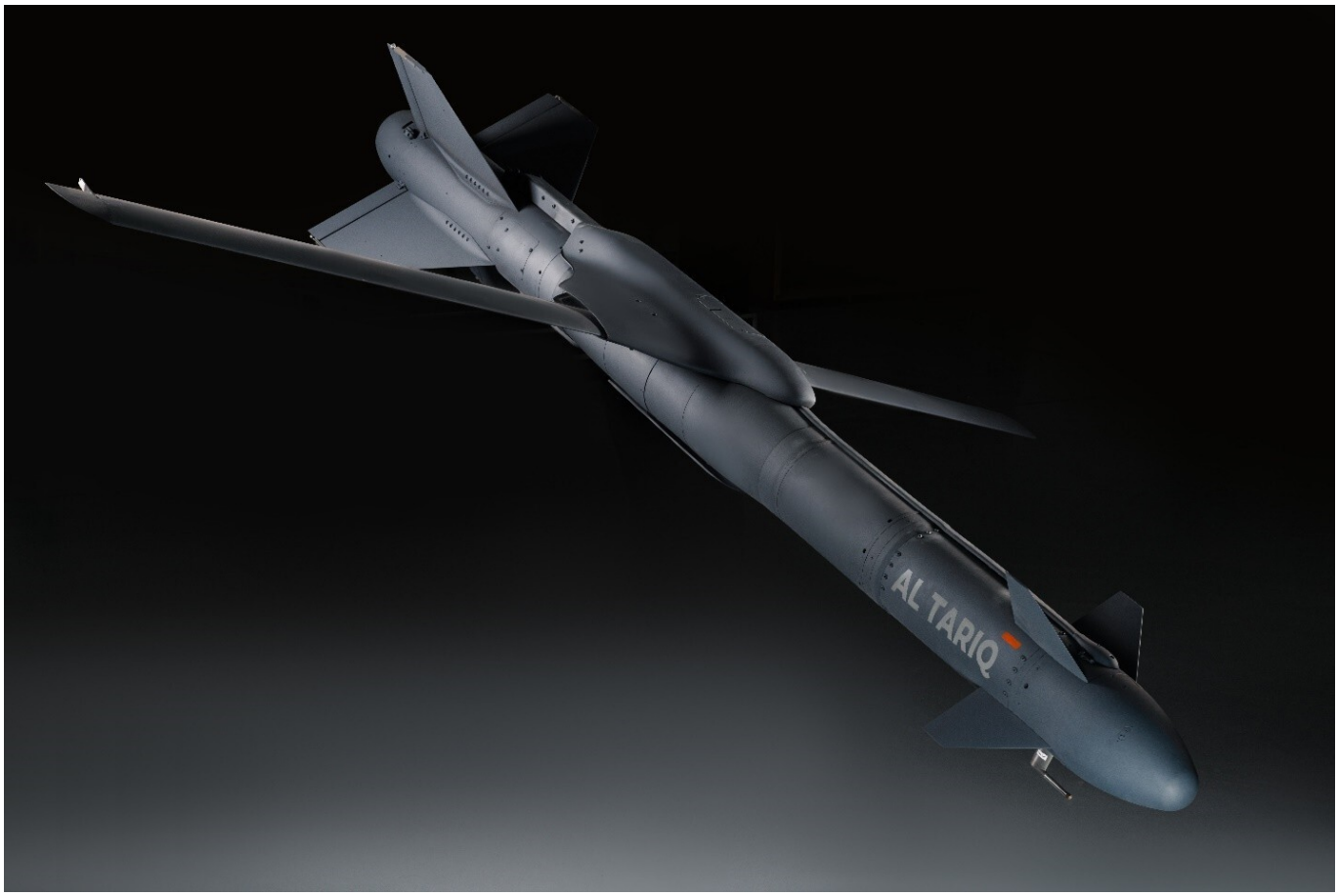
Our combat-proven kits convert unguided aerial weapons into high-precision, long-range munitions against targets up to 120 km away. Utilising Global Navigation Satellite System (GNSS) with Inertial Navigation System (INS), semi-active laser (SAL), and imaging infrared (IIR) with automated target recognition (ATR) capabilities, these munitions offer exceptional accuracy for the dynamic fighter.

Complemented by a wider portfolio of surface-to-surface, surface-to-air, air-to-surface, and loitering munitions systems, EDGE’s PGMs offer commanders scalable, precision-enabled effects across all operational scenarios.

Alongside PGMs, EDGE’s extended-range loitering munitions leverage AI to enable networked missions, providing a rapidly deployable precision strike. They offer ground forces a cost-effective, precision indirect-fire option that fills the persistence gap between artillery and manned strike assets. Advanced sensors, AI-assisted seeker logic and flexible launch methods provide timely target acquisition while also contributing valuable battlefield intelligence.

EDGE also delivers integrated air-defence solutions to meet the demands of current and future conflicts. SKYKNIGHT is purposely designed to counter the full spectrum of modern aerial threats, providing early warning and precise surface-to-air intercept capabilities against rotary-wing aircraft, UAV rockets, artillery, mortars, and other fixed-wing aircraft at a range of up to 10 km.

Incorporating cutting-edge radars, multiple weapon systems, and a control system, it offers end-users flexibility and responsiveness in complex air-defence environments.

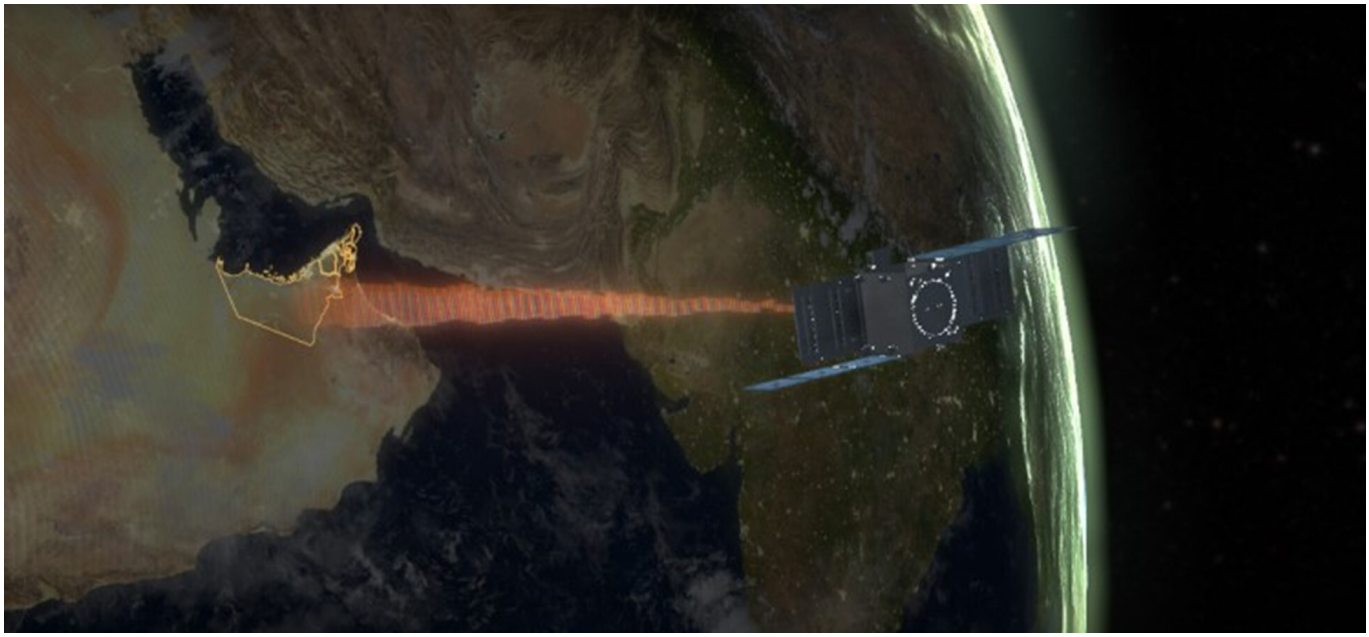


Space capabilities

Space is an increasingly strategic domain for high-tech sectors, with space-based technologies delivering critical, high-value data that drives innovation. EDGE is advancing the UAE’s global space presence through sovereign solutions that enhance decision-making on the ground.

At the heart of this is SIRB, the UAE’s pioneering sovereign synthetic aperture radar (SAR) satellite programme, led by the UAE Space Agency. The initiative marks a major milestone in the development of the UAE's space capabilities, aiming to develop the expertise and technologies required to build advanced SAR payloads and satellites within the UAE.

SIRB will provide ultra-high-resolution imaging in all weather conditions, both day and night. It will support a range of scientific, civil, and commercial missions, including maritime surveillance, environmental monitoring, and search and rescue, providing actionable intelligence to see clearer and respond faster.



Driving sovereign innovation that is always ahead

EDGE continues to push boundaries through innovation and strategic collaboration. At Dubai Airshow, EDGE will unveil next-generation technologies that enhance precision, autonomy, and multi-domain integration.

Visitors will get a first look at highly advanced, long-range PGMs, AI-enhanced air surveillance systems, and autonomous air platforms designed to give forces a decisive operational edge. This presents a unique opportunity to explore solutions that combine sovereign innovation and cross-domain integration to redefine the future of intelligent defence, empowering decision- makers to anticipate threats, act faster, and operate with greater freedom.

Join us at the Dubai Airshow

Experience EDGE’s bold and disruptive portfolio of solutions firsthand at Stand 520, and Outdoor Stand S34. See how our autonomous platforms, precision systems, and space solutions converge to create a comprehensive, integrated defence ecosystem. At EDGE, innovation is more than technology – it’s collaboration across domains, nations, and disciplines to deliver truly disruptive capabilities.