

DRONE (UAS) TRAFFIC MANAGEMENT (UTM)

SECURE, INTEROPERABLE, AND SCALABLE MANAGEMENT FOR DRONE OPERATIONS

Atech's UTM Platform was designed as a digital platform, capable of connecting UAS operators, USS providers, supplementary data providers, aeronautical authorities, and Air Navigation Service Providers in an interoperable and scalable environment.

Developed based on international standards and the most advanced operational concepts, aligned with references such as ICAO, FAA, EASA/U-space, and other applicable frameworks, the solution gathers essential capabilities to support the secure, interoperable, and scalable management of unmanned aircraft operations in urban and non-urban environments. It offers services such as mission planning, compliance monitoring, strategic and tactical deconfliction, route management and flight tracking, meteorological and cartographic management, risk management, and message exchange between stakeholders.

Based on Atech's experience, systems integration, and airspace management, the platform acts as a digital hub to promote shared situational awareness, interoperability between services, and progressive integration with existing ATM systems. This contributes to the safe operation of drones at low altitudes and the evolution of the Advanced Air Mobility ecosystem.

Learn more about Atech's integrated solutions and receive personalized consulting from a specialist.



Complete integration of the UTM ecosystem

Atech's UTM (Unmanned Aircraft System Traffic Management) platform integrates the main actors of the unmanned aircraft ecosystem, including other UAS service providers, facilitating the operation process of these assets and meeting the needs of the ecosystem's end users.

Designed to operate in a multi-USS environment, the platform promotes interoperability, structured sharing of operational information, and coordination between systems, enhancing the situational awareness of operators, remote pilots, service providers, and competent authorities.

The solution connects Atech's experience in ATM with the new challenges of UTM, allowing for a progressive evolution toward integration with the Advanced Air Mobility ecosystem, including future interactions with UAM/UATM and eVTOL operations, when applicable to the operational concept and regulatory environment.

Due to the wide adoption of international standards, the platform integrates transparently with conventional air traffic control systems, sharing operational and tracking data, enhancing the situational awareness of controllers, flow managers, operators, and pilots, in addition to connecting all actors in the UTM ecosystem.

