

UTM Suite: Empowering uncrewed traffic management



The Frequentis uncrewed traffic management (UTM) suite is a trusted, field-proven solution, designed to safely and efficiently integrate uncrewed aerial vehicles (UAVs) into existing airspace systems. By bridging traditional air traffic management (ATM) with emerging UTM technologies, the suite ensures seamless integration of manned and unmanned operations while delivering essential services for drone management, including flight requests, approvals, coordination, and monitoring.

UTM Suite at a glance

- Complete UTM solution for flight requests, approvals, and monitoring
- Seamless ATM-UTM integration
- Real-time situational awareness
- SWIM-based interoperability with CIS
- Scalable, modular design for U-space operations
- Compliance with global UTM standards
- Available in cloud, on-premises, and hybrid deployment models

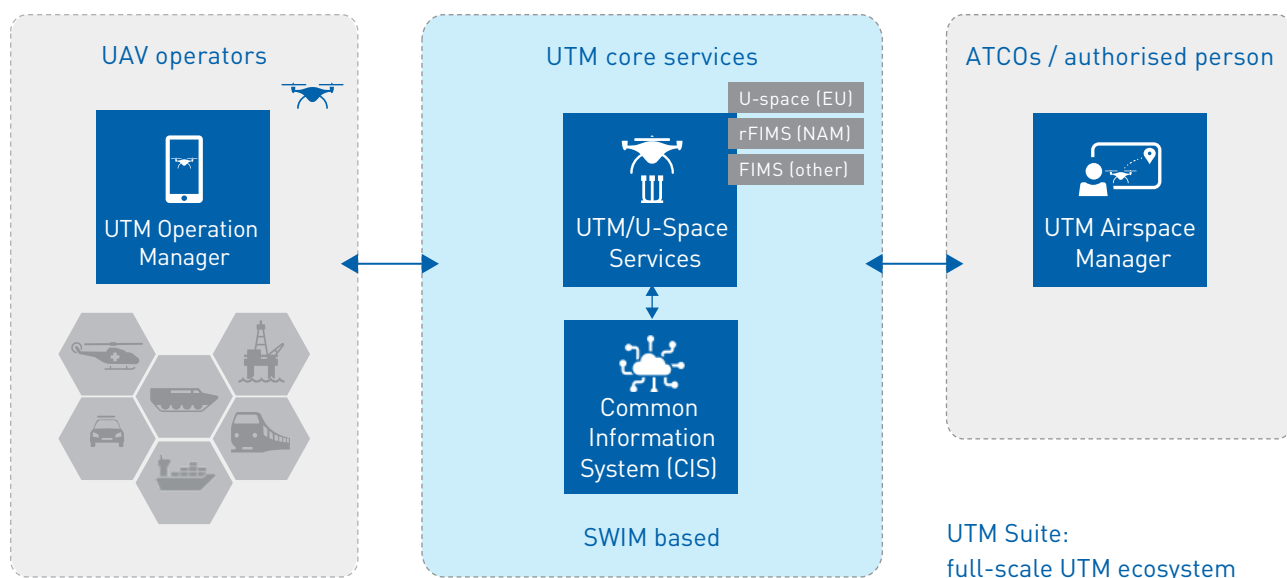
Key features

Built on operational experience and aligned with global standards, the suite provides a scalable foundation for future airspace innovation, enabling authorities and operators to meet growing demands with confidence and agility.

The solution provides a full UTM service for flight requests, approvals, and monitoring. It integrates with traditional ATM systems and uses a system wide information management (SWIM) based architecture for secure, standardised data exchange.

Operators and airspace managers benefit from real-time situational awareness. Its modular design supports various U-space implementations. A Common Information System (CIS) ensures synchronised data access.

The system complies with international UTM and U-space standards and improves safety through conflict detection and alerts.



UTM Suite components

UTM Operation Manager: supports UAV operators with flight planning, regulatory compliance, and airspace coordination.

UTM/U-Space Services: integrates UTM and U-space functionalities, ensuring seamless data exchange and interoperability.

CIS: acts as the backbone of information sharing within the UTM ecosystem, supporting SWIM-based connectivity.

UTM Airspace Manager: provides airspace management and real-time situational awareness for air traffic controllers and authorised personnel.

Facts & figures

Number of installed sites	15+ deployments across Europe, including Norway, Austria, and Lithuania.
Solution profiles	Nationwide UTM management, cross-domain operations, commercial drone services, and public safety integration.
Deployment models	Cloud, on-premises, or hybrid to fit varying operational needs.
Supported services	Network identification, geo-awareness, flight authorisation, traffic information, weather information and conformance monitoring.
Industry standards	Compliant with global ATM and UTM regulations, ensuring safety and scalability.
Central management	Centralised control and monitoring including security logging, and access management.