

Dronelocus[®]

U-SPACE SUITE



AERONAUTICS

U-SPACE SUITE

GMV U-Space suite consists of ***Dronelocus***[®] Tracking Service, ***Dronelocus***[®] Emergency Management Service and Navigation and Surveillance Availability Prediction Service based on GNASSURE[®].

Dronelocus[®] suite has been integrated within ENAIRE's Ecosystem Manager in the frame of DOMUS, SESAR U-space demonstration project.

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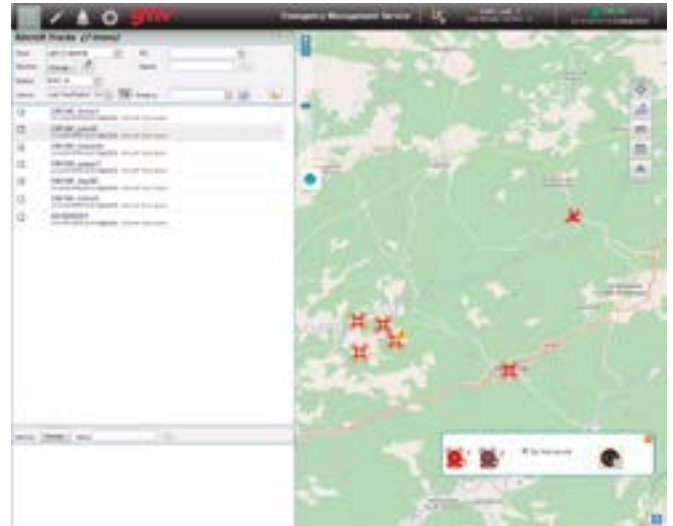


Dronelocus® tracking service

- Collection of different positioning sources (4G/5G RPS, ADS-B, Drone Telemetry...)
- Track fusion
- Authorised flight plans check
- Tracking alerts management

Dronelocus® emergency management service

- Drone Incident Management
- Alert notifications to drone operators in the area of the incident
- Interface to non-aeronautical authorities (Law Enforcement, Emergency, Municipalities)
- Dynamic geo-fencing for emergency situations



Dronelocus® EMS

Navigation and surveillance availability prediction service

- Prediction of navigation and surveillance service levels (NACp/NIC)

A proven track record, a bright future

For more than thirty years, GMV has been involved in the development of systems and solutions for advanced technology markets. Due to this, GMV has acquired a wide range of technologies and has profited from technological transfers between closely related markets such as Aeronautics, Space, Defence and Security.

Our pioneering work in satellite navigation and its aeronautical applications, together with our unique position in modern avionics development and our vast experience in Software and Hardware development, simulation and test bench technologies have positioned GMV as a leading supplier in the aeronautical market.

Precision Approach and PBN operations, and air traffic Management (ATM and UTM/U-Space) constitute an area of strategic development where GMV applies its technological know-how and experience to serve air navigation service providers and other aviation stakeholders.

Our highly skilled team is ready to support you in these areas and to respond to your most demanding needs.

Our offer and key competencies

GMV's activities for the aeronautical market cover the entire system life cycle.

- Consulting services
- Project management

- Subcontractor management
- System specification, design, development and integration
- Hardware development
- Software development
- Verification y validation
- Installation
- Operation
- Training
- Logistics support and maintenance
- Safety Management and RAMS Engineering

References

GMV has developed a diverse customer base that includes navigation service providers, airframe manufacturers, avionics primes, and institutional customers.

Air traffic service providers: Enaire (Spain); Eurocontrol; NAV (Portugal); PANSA (Poland); SANSA (South Africa); Skyguide

Industrial primes & airframe manufacturers: Airbus; Airbus Defence and Space; Boeing; Dassault Aviation; Embraer; Leonardo

Avionics industry and other: CESA; Zodiac Aerospace

Institutional customers: Clean Sky JU (Core Partner); EASA (European Aviation Safety Agency); EDA (European Defence Agency); European Air Transport Command; European Commission; European GNSS Agency (GSA); European Satellite Service Provider (ESSP); ICAO; INTA (Spanish National Institute for Aerospace Technology); Portuguese Ministry of Defence; Spanish Ministry of Defence; SESAR JU