



'Smart City Expo World Congress 2025'

ENAIRe to integrate drone traffic with conventional aviation in smart cities

- Rodrigo Bedit, a technician in ENAIRe's Drone Department, explains the organisation's role in European projects such as U-ELCOME, which has made it possible to validate operations in real-world environments
- ENAIRe has been designated as the central hub for all U-space information between operators and air traffic control
- ENAIRe is developing software platforms to manage U-space, and is currently undergoing certification with the Spanish Aviation Safety Agency

Madrid, 5 November 2025

ENAIRe, Spain's national air navigation manager, participated in the Smart City Expo World Congress 2025, an international event on urban innovation held at the Fira de Barcelona, joining a roundtable focused on technologies that enable the integration of drones in urban environments, with visitors from 135 countries.

Rodrigo Bedit, a technician in ENAIRe's Drone Business Development Department, spoke in the session titled *U-space and Enabling Technologies for Integrating Drones in Urban Environments*, dedicated to analysing how cities can prepare to integrate drone operations safely and sustainably.

The panel included Enric Pastor, Associate Professor at the Polytechnic University of Catalonia; David Rovira, CEO of Rigitex (a Swiss manufacturer specialising in logistics drones); and David Fraissinet, Director General of the Automòbil Club d'Andorra. The session was moderated by Daniel Castillo, CEO of the Barcelona Drone Center, currently the only unmanned aerial systems

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(UAS) operator in Spain holding the European LUC (Light UAS Operator Certificate).

During the discussion, Rodrigo Benedit presented ENAIRe's vision for the development of U-space services and its key role in the safe and efficient management of drone traffic in urban areas. He also highlighted regulatory and technological advances that are enabling greater integration of unmanned systems into conventional airspace, as well as the results of recent U-space demonstrations carried out in Spain under the U-ELCOME project, spanning eight autonomous communities with more than 600 drone flights.

"Cities will be a key environment for the future of aerial mobility. At ENAIRe, our work is focused on ensuring that these operations can be carried out safely, interoperably, and with the highest level of coordination among all actors in the urban ecosystem", Benedit stated.

The discussion also addressed the technological, regulatory and social challenges associated with the deployment of U-space, the European digital drone traffic management system, as well as the role that U-space service providers (USSPs) and Common Information Service Providers (CISPs) such as ENAIRe will play in the future of urban air mobility.

ENAIRe has been designated as the sole CISP, and is developing software platforms that enable automated, safe and efficient management of airspace under U-space rules. These platforms are currently undergoing certification by the Spanish Aviation Safety Agency (AESA).

Through its participation in this forum, ENAIRe reaffirms its commitment to innovation, digitisation and the safe integration of drones into Spanish airspace, in line with the European strategy towards a digital, connected and sustainable sky.

About ENAIRe

ENAIRe is the air navigation service provider in Spain.

As a company of the Ministry of Sustainable Transport and Mobility, it provides air traffic control services during the en route and approach phases of all flights to and from Spain and overflights. In addition, it manages



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communications, navigation and surveillance services from ENAIRe in the airspace and the entire AENA airport network in Spain and provides aerodrome air traffic control services in 21 airports, including the busiest.

ENAIRe is the fourth largest European air navigation service provider, and it is a member of international partnerships A6 Alliance, SESAR (Single European Sky ATM Research) Joint Undertaking, SESAR Deployment Manager, iTEC, CANSO (Civil Air Navigation Services Organisation) and collaborates closely with ICAO (International Civil Aviation Organization).

ENAIRe has received the highest score in Europe on the aviation safety key performance indicator for four years in a row. It has also been awarded the EFQM 600 Seal for its safe, efficient, innovative and sustainable management of air navigation services.



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