



The DOMUS consortium does the first U-space drone demonstration in Spain

- 17 companies are part of DOMUS, led by ENAIRe, whose proposal has been selected by the European Union to carry out integration tests of unmanned aircraft
- The project, which has community funding, is tasked with working on safely integrating drones with all other air traffic

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The DOMUS consortium, led by ENAIRe, have conducted today in Spain a preliminary evaluation of the first tests of U-space, with SESAR Joint Undertaking.

The final demonstration will take place in September of this year and will provide an example for the full integration of drones in airspace.

The total cost of the demonstrations is four million euros: half of it is financed by the consortium members and the other half via European funding.

The test laboratory reproduces all the parameters that have to be considered to ensure the "coexistence" of drones with the other "actors" that use airspace, including commercial aviation.

The DOMUS project is part of a European network of U-space demonstrations contained within the SESAR programme. In the case of Spain, these demonstrations are taking place in Jaén and Lugo involving several companies that collaborate in the design of the system.

The tests consider different scenarios as the use of unmanned aircraft for parcel delivery or in a fire emergency.

Additionally, a U-space test was carried out for the first time in an urban environment in Spain in conjunction with a Smart City platform in the town of Villacarrillo, in Jaén.

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Companies belonging to the consortium

A total of seventeen companies comprise DOMUS. In addition to ENAIRE, Alg, Isdefe, Ineco, Correos, CRIDA, Indra, GMV Aerospace & Defence, Everis Aeroespacial y Defensa, Earth Networks, FADA-CATEC, FuVeX, Pildo Labs, SOTICOL Robotics Systems, Vodafone España, SCR and AirMap.

About ENAIRE

ENAIRE is the company belonging to the Public Works Department that provides air navigation services in Spain. It renders aerodrome control services at 21 airports, including the busiest in terms of air traffic, plus en-route and approach control, from five control centres: Barcelona, Madrid, Gran Canaria, Palma and Seville. In addition, ENAIRE provides communications, navigation and surveillance services to 45 air control towers.

In 2018 ENAIRE handled 2.1 million flights to and from four continents (Europe, America, Asia and Africa), transporting 300 million passengers.

ENAIRE is the fourth most important European air navigation service provider, and, in a clear commitment to the Single Sky initiative, belongs to international partnerships such as SESAR (Single European Sky ATM Research) Joint Undertaking, SESAR Deployment Manager, A6, iTEC, CANSO (Civil Air Navigation Services Organisation) and ICAO (International Civil Aviation Organization).