EUROPE TESTS THE FUTURE OF URBAN AIR MOBILITY -ANRA TECHNOLOGIES JOINED AMU-LED PROJECT

News / Business aviation, Manufacturer

ANRA Technologies announced its participation in AMU-LED, a Horizon 2020 project of European Union framed in the SESAR Joint Undertaking, which aims to demonstrate the safe integration of cargo and passenger drone operations in urban airspace. ANRA Technologies will play a key role in the project by providing its proven SmartSkiesTM family of software platforms for advanced airspace management and simulation. ANRA's platforms and expertise will enable various exercises supporting simulated and live eVTOL operations in various scenarios, use cases, and applications, at scale, in Europe and the UK. These will include cargo and passenger transport, delivery of goods and medical equipment, infrastructure inspection, law enforcement operations, and emergency services support.?

Air taxis, cargo delivery drones or unmanned systems for emergencies is an ever-approaching reality. Urban air mobility (UAM) will help us create more sustainable and smarter cities.This new reality being on the horizon, has led to AMU-LED which is an H2020 project of the European Union whose main purpose is to demonstrate the safe integration of different types of drone operations in our city´s skies.

It is an ambitious initiative, which will be built up over two years, with the ultimate goal of showcasing one of the largest demonstrations of mobility services with air vehicles in urban environments by 2022. Several venues have been chosen in three different countries:

Santiago de Compostela in Spain, Cranfield in the United Kingdom, Amsterdam, and Rotterdam in the Netherlands.

In total, the project involves 17 different entities from Europe and the United States. Coordinated by everis, the consortium is made up of a group of very prominent agents within the sector: Airbus, AirHub, Altitude Angel, ANRA Technologies, Boeing Research & Technology-Europe, FADA-CATEC, Cranfield University, EHang, ENAIRE, Gemeente Amsterdam, INECO, ITG, Jeppesen, NLR, Space53 and Tecnalia.

More than 100 flight hours in urban areas

The exercises planned within AMU-LED include more than 100 flight hours combining different unmanned aerial systems and considering various scenarios, use cases and applications. These will consist of air taxi operations, cargo transport, delivery of goods and medical equipment, inspection of infrastructures, police surveillance, and emergency services support.

Through real tests and simulations, the project will explore and demonstrate how to decongest roads, improve transportation of people and goods, reduce travel times, increase flexibility, cut pollution, and reduce traffic accidents.

Thanks to the data obtained from the different tests, AMU-LED will be able to provide invaluable information to regulatory authorities such as the EASA. Ultimately the goal is to help develop and establish laws and regulations in the urban air mobility field.

A commitment to the evolution of air traffic management

AMU-LED is an H2020 project of the European Union framed in the SESAR Joint Undertaking (grant agreement No 101017702). SESAR aims to ensure air traffic management modernisation in Europe, where urban air mobility (UAM) is a key element. It requires creating new concepts and regulations to design, structure, and industrialise a sustainable and interoperable system within current air traffic.

The comprehensive and multi-disciplinary team of professionals at AMU-LED includes experts in air traffic solutions, simulation and drone operations, research technology centres, legislators and experts in tests and demonstrators.

H2020 project AMU-LED launch

- AMU-LED aims to demonstrate the safe integration of all types of drone operations in urban environments to realise increasingly sustainable, smart cities.
- The project is contributing to the European Union initiative of ensuring the safe and secure integration of drones in Europe, otherwise known as U-space.
- The project will combine various exercises, including passenger transport in air taxis, the transportation and delivery of goods, police surveillance and support for emergency services.
-

2022 will see some of the largest demonstrations ever made, in three European countries: Spain, the United Kingdom and the Netherlands.

- The project involves 17 companies and institutions from Europe and the United States.

23 JANUARY 2021

ARTICLE LINK:
https://50skyshades.com/index.php/news/business-aviation/europe-tests-the-future-of-urban-air-mobility-anra-technologies-joined-amu-led-project