PROJECT

ASSURED-UAM

Acceptance, Safety and Sustainability Recommendations for Efficient Deployment of UAM

Funding: European (Horizon 2020)

Duration: Jan 2021 - Apr 2023

Status: Ongoing

Total project cost: €1,458,990

EU contribution: €1,458,990

Call for proposal: H2020-MG-2020-SingleStage-INEA

CORDIS RCN : 231892

Objectives:

Rapidly developing technology in recent years, makes the concept of vertical transport over populated areas real and nearly ready for implementation. The vision of an additional dimension to nearly flat urban/metropolitan transport system has the potential to become a mobility revolution for passengers and unprecedented challenge for cities in numerous aspects.

ASSURED-UAM (Acceptability, safety and sustainability recommendations for Efficient Deployment of UAM) is aiming at assuring outstanding robustness in terms of safety, sustainability and acceptability of UAM by focusing to:

- propagate and accommodate aviation best practices, standards, recommendations and organizational solutions into city/municipal administrative and legislative structures responsible for deployment Urban Air Mobility services in near future;
- assure broad and comprehensive organisational and policy definition support for authorities, policy makers and urban industry organization in complex process of implementation of vertical modes of transport and integration with horizontal dimensions of urban and peri-urban mobility systems;
- become first but robust answer on European Green Deal goals contributing to climate neutral urban transport in 2050;
- provide recommendations for integration of surface modes under the umbrella of U-Space Air Traffic Management System (X-TEAM D2D Project).

To summarise, this multidisciplinary study provides an organizational and policy framework for process the introduction of unmanned modes of urban air mobility.

Parent Programmes:

H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Other programmes: LC-MG-1-12-2020 Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

Lead Organisation:

Siec Badawcza Lukasiewicz-Instytutlotnictwa

Address:
UL. AL KRAKOWSKA 110/114
02 256 WARSZAWA
Poland

Organisation Website:
http://www.ilot.edu.pl

EU Contribution: €244,000

Partner Organisations:

Stichting Nationaal Lucht En-Ruimtevaartlaboratorium

Address:
Anthony Fokkerweg 2
1059CM AMSTERDAM
Netherlands

Organisation Website:
http://www.nlr.nl

EU Contribution: €242,303

Gornoslasko-Zaglebiowska Metropolia

Address:
UL. BARBARY 21 A
40 053 KATOWICE
Poland

EU Contribution: €105,625

Distretto Tecnologico Aerospaziale S.c. A R.l.

Address:
S STAT 7 APPIA KM 706+030 CITTADELLA DELLE RICERCA
72100 BRINDISI
Italy

EU Contribution: €163,750

C.i.r.a. Centro Italiano Ricerche Aerospaziali Scpa

Address:
VIA MAIORISE
81043 CAPUA
Italy

Organisation Website:
http://www.cira.it

EU Contribution: €215,313

Ceiia - Centro De Engenharia E Desenvolvimento (Associacao)

Address:
AVENIDA DOM AFONSO HENRIQUES 1825
4470 017 MATOSINHOS
Portugal

EU Contribution: €180,000

Institute For Sustainable Society And Innovation

Address:
VICO TRONE 19
80136 NAPOLI

Italy

EU Contribution: €308,000

Technologies:

Aircraft design and manufacturing
Vertical take-off and landing personal aerial vehicle

Development phase: Demonstration/prototyping/Pilot Production

STRIA Roadmaps: Vehicle design and manufacturing, Other specified

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies:
Environmental/Emissions aspects, Safety/Security, Deployment planning/Financing/Market roll-out

Geo-spatial type: Urban