

PROJECT

AiRMOUR

Enabling sustainable AiR MObility in URrban contexts via emergency and medical services

Funding: European (Horizon 2020)

Duration: Jan 2021 - Dec 2023

Status: Ongoing

Total project cost: €5,646,150

EU contribution: €5,646,150



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

[CORDIS RCN : 231887](#)

Objectives:

AiRMOUR focuses on research and validating novel concepts and solutions to make urban air mobility safe, secure, quiet and green but also more accessible, faster, affordable and publicly accepted. In response to the call, AiRMOUR presents an approach that takes on one of the most critical and challenging early real-life applications of UAM in Emergency Medical Services (EMS). EMS provides a versatile scenario pool that facilitates thoroughly investigating the urgent challenges at hand applying a result driven quadruple helix approach.

AiRMOUR fills in the excellence gaps and drastically advances the understanding of needed near-future actions by urban communities, operators, regulators, academia and businesses. The approach and the outcomes will massively benefit the entire UAM development in EMS, but also widely within e.g., the vision of true airborne mobility genuinely supplementing traditional transport modes.

AiRMOUR concept centres on thorough research of safety, regulation, user acceptance, sustainability; leveraging them into practical and real-life tangible UAM tools after TRL6 live validations.

A strong consortium of research, national aviation, regional and local urban authorities, UAM operators and EMS can guide cities making sure that the impacts are replicated widely. Main outputs are a UAM toolbox with a UAM GIS tool for authorities, a UAM guidebook (for cities, operators and other stakeholders) and a UAM training programme together with Eurocontrol, all tested by cities and replicators.

The crucial impact of AiRMOUR will be increased UAM competence of city and regional staff and their partners in public transport, energy, innovation and funding. Participation in AiRMOUR allows hands-on testing of the UAM toolbox as well as take-up of future UAM scenarios. Each European local cluster of aviation and urban actors will be able to set-up their own UAM realisation. European policy making and investments will be reinforced with AiRMOUR findings and knowledge.

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: MG-3-6-2020 Towards sustainable urban air mobility

Lead Organisation:

Teknologian Tutkimuskeskus Vtt Oy

Address:
Tekniikantie

2044 Espoo
Finland

EU Contribution: €769,125

Partner Organisations:

Linköpings Universitet

Address:

Hus Origo Campus Valla
581 83 LINKÖPING
Sweden

Organisation Website:

<http://www.liu.se>

EU Contribution: €244,375

Stavanger Kommune

Address:

Olav Kyrresgate 23
4068 Stavanger
Norway

EU Contribution: €370,250

Forum Virium Helsinki Oy

Address:

UNIONINKATU 24
00130 HELSINKI
Finland

Organisation Website:

<http://www.forumvirium.fi>

EU Contribution: €490,500

Trafikverket

Address:

RodaVagen 1
781 89 BORLANGE
Sweden

Organisation Website:

<http://www.trafikverket.se>

EU Contribution: €76,250

Regional Management Nordhessen Gmbh

Address:

STANDEPLATZ 17
34117 KASSEL
Germany

EU Contribution: €273,500

Academisch Ziekenhuis Groningen

Address:

HANZEPLEIN 1
9713 GZ GRONINGEN
Netherlands

Organisation Website:

<http://www.umcg.nl>

EU Contribution: €277,500

Ehang Skandinavia As**Address:**

LABERGET 92
4020 STAVANGER
Norway

EU Contribution: €655,750

Hochschule Fur Angewandte Wissenschaften Kempten**Address:**

BAHNHOFSTRASSE 61
87435 KEMPTEN
Germany

EU Contribution: €285,000

Luftfartsverket**Address:**

HOSPITALSGATAN 30
602 27 NORRKOPING
Sweden

Organisation Website:

<http://www.lfv.se>

EU Contribution: €455,500

Luxmobility S.a.r.l.**Address:**

70, Boulevard de la Fraternite
L-1541 Luxembourg
Luxembourg

EU Contribution: €599,500

Norce Norwegian Research Centre As**Address:**

NYGARDSGATEN 112
5838 BERGEN
Norway

EU Contribution: €487,775

Robots Expert Finland Oy**Address:**

KARHUMAENTIE 3
01530 VANTAA

Finland

EU Contribution: €661,125

Technologies:

Information systems

Sustainable urban mobility planning

Development phase: Demonstration/prototyping/Pilot Production

Vehicle design and manufacturing, Other

STRIA Roadmaps: specified

Transport mode: Air transport

Transport sectors: Passenger transport

Transport policies: Environmental/Emissions aspects, Safety/Security

Geo-spatial type: Urban