



# ICTürkiye2025

10 April, İstanbul



This project is co-financed by the European Union  
and the Republic of Türkiye



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ORGANIZATION: GNY Aerospace Ltd.

WORKSHOP NAME: Smart Mobility

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## Description of the Organisation

A Turkish company with a qualified team having more than 30 years civil aviation experience, mainly working on project development and management in civil aviation including deployment of advanced air mobility solutions for metropolises.(SME)

Working on AAM related projects on EU HE CLUSTER 5: Climate, Energy & Mobility & EIT Urban Mobility programs

Roles expected : Leading WP, Coordinator for call.

## Your Teams' Expertise



Project Development,  
Analysis and Management  
in Civil Aviation  
Flight Operation Services  
Ground Operation Services  
Air Traffic and Navigation  
Services



Technical/MRO Services  
Airworthiness Management  
Air Rules & Regulations  
Air Operation Management  
& Economics  
Air Transport Training  
Services

## Your Research Fields

eVTOL Need and Route Analysis for İstanbul

eVTOL Airspace & Navigation Control Procedure Analysis for İstanbul



eVTOL Operation Analysis for İstanbul

- Flight Operation
- Ground Operation
- Maintenance
- Management & Economics



eVTOL Operation Impact Analysis for İstanbul

- Travel Delay Reduction
- Reduction in Transport Emissions
- Reduction in Energy Consumption



Single Pilot Operation  
Human Factors in Aviation  
Sustainable Aviation  
Air Transport Management & Forecasting

## Your On-going Projects

### OUR PROPOSED PROJECT IS CURRENTLY BEING EVALUATED BY EIT URBAN MOBILITY



Co-funded by the  
European Union 

#### SME Market Expansion 2025 Open Call

Project Name : Development of An Implementation Project of Sustainable Air Mobility Solution via eVTOLs for the City of İstanbul

Project Acronym : AAM4ISTANBUL

Submitted by



## Project Idea

**Call Topic:** HORIZON-SESAR-2025-DES-ER-03-WA2-2 Integration of the next generation aircraft for zero/low emission aviation (RIA)

**Deadline Dates:** 16 September 2025

- Objectives:** The objective of the research is to collect requirements for the seamless integration of the new models / propulsive systems in European airspace, and where appropriate provide recommendations for ATM developments (potentially proposing roadmap if appropriate)
- Expected Results:** Requirements / Recommendations for ATM concept to be used, potential impacts on airports, traffic synchronisation, T/O & Landing distances, route design, traffic demand, airspace management, EIS scenarios, emission performance, regulatory framework and safety standards etc.

## Project Idea

**Call Topic:** HORIZON-SESAR-2025-DES-IR-02-WA6-3 Fast-track Enabling innovative air mobility (IAM) / Vertical take-off and landing capable aircraft (VCA) (crewed and uncrewed) operations

**Deadline Dates:** 16 September 2025

- Objectives:** R-6-04 Enabling IAM/VTOL capable aircraft (crewed and uncrewed) operations, including in complex environments, congested areas and vertiports. This includes IAM operational procedures enabling access to all types of airspace and vertiports (both VMC and IMC) and IAM automation including simplified vehicle operations, automatic take-off and landing (TOL), resilient navigation, energy management, etc.
- Expected Results:** The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive
  - Vertiport management for crewed VCA ,
  - Advanced vertiport and VCA U-space services
  - Crewed IFR VCA
  - Automation of the VCA cockpit and remote pilot's working position
  - Automatic take-off and landing (ATOL) for crewed or uncrewed VCA and helicopters
  - ATC and flight information service (FIS) automation support

### Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	TBD			
02	TBD			
03	TBD			
04	TBD			
05	TBD			

## Consortium – required partners

No	Expertise	Type	Country	Role in the project
01				TBD
02				TBD
03				TBD
04				TBD



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COUNTRY:

TÜRKİYE