

ADVANCED AIR MOBILITY

Conference 2024



ADVANCED AIR MOBILITY

Conference 2024

Urban Planning and Infrastructure for the Start of Urban Air Mobility



Calogero
Giammusso
Head of Operations
UrbanV

Email: calogero@urbanv.com
Mobile: +39.393.037.6624









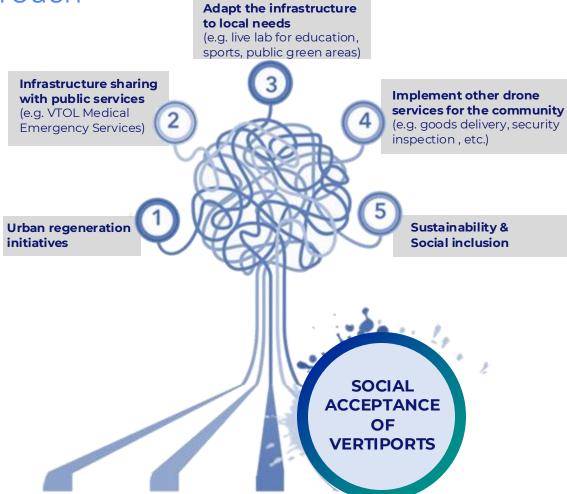
Build a vertiport integrated in the city

UrbanV approach



We aim to provide a rapid, efficient, safe, and sustainable air mobility alternative to current short-distance transportation solutions for people and goods, enhancing quality of life and making travel easier.

- Compliance with urban planning
- Compliance with aereonautical constrains
- Integration of buildings with the existing landscape and minimization of visual impact
- Sustainability of ground infrastructure also demonstrated through certifications
- Minimisation of land use and design optimization
- Use of green energy
- Intermodality of vertiports with other transportation system
- Involving the local community to ensure the social acceptance





Conference 2024







How to make vertiport real Regulatory Framework

AERONAUTICAL FRAMEWORK

EU

PTS-VPT-DSN

Prototype Technical Specifications for the Design of VFR Vertiports for Operation with Manned VTOL-Capable Aircraft Certified in the Enhanced Category

SC-VTOL Reg EU 2024/1111

- New VCA category
- Flight operations
- Inter/regional/ Urban environment
- Interaction with other manned and unmanned traffic

IT

National Manned VCA Regulation

- Part 1: Airspace Design Criteria
 (Flight Corridors VCA enhanced)
- Part 2: VCA enhanced operator requirements
- Part 3: Requirements for the construction and operation of vertiports (ref.EASAOpinion 03-2023 and the PISVPT-DSN)



INTEGRATION IN CITIES

EU

- Guidelines for developing and implementing a Sustainable Urban Mobility Plan (SUMP)
- Urban Air Mobility and Sustainable Urban Mobility Planning, Eltis -UAM in SUMP
- SUMP-UAM Practitioner Briefing

IT

- ENAC National Strategic Plan (2021-2030) for the development of Advanced Air Mobility in Italy
- Sustainable Urban Mobility Plan -PUMS

The **city of Rome** has already included the UAM in its SUMP:

«5.2.4 Pilot projects for air multimodality in urban areas»









Some challenges to focus on



