

ICAO Drone Enable

Rob Eagles
16th November 2022

Traffic Management

Mission:

Enabling advanced automation and digital operations to ensure a safe, fair and efficient airspace

Airbus Vision:

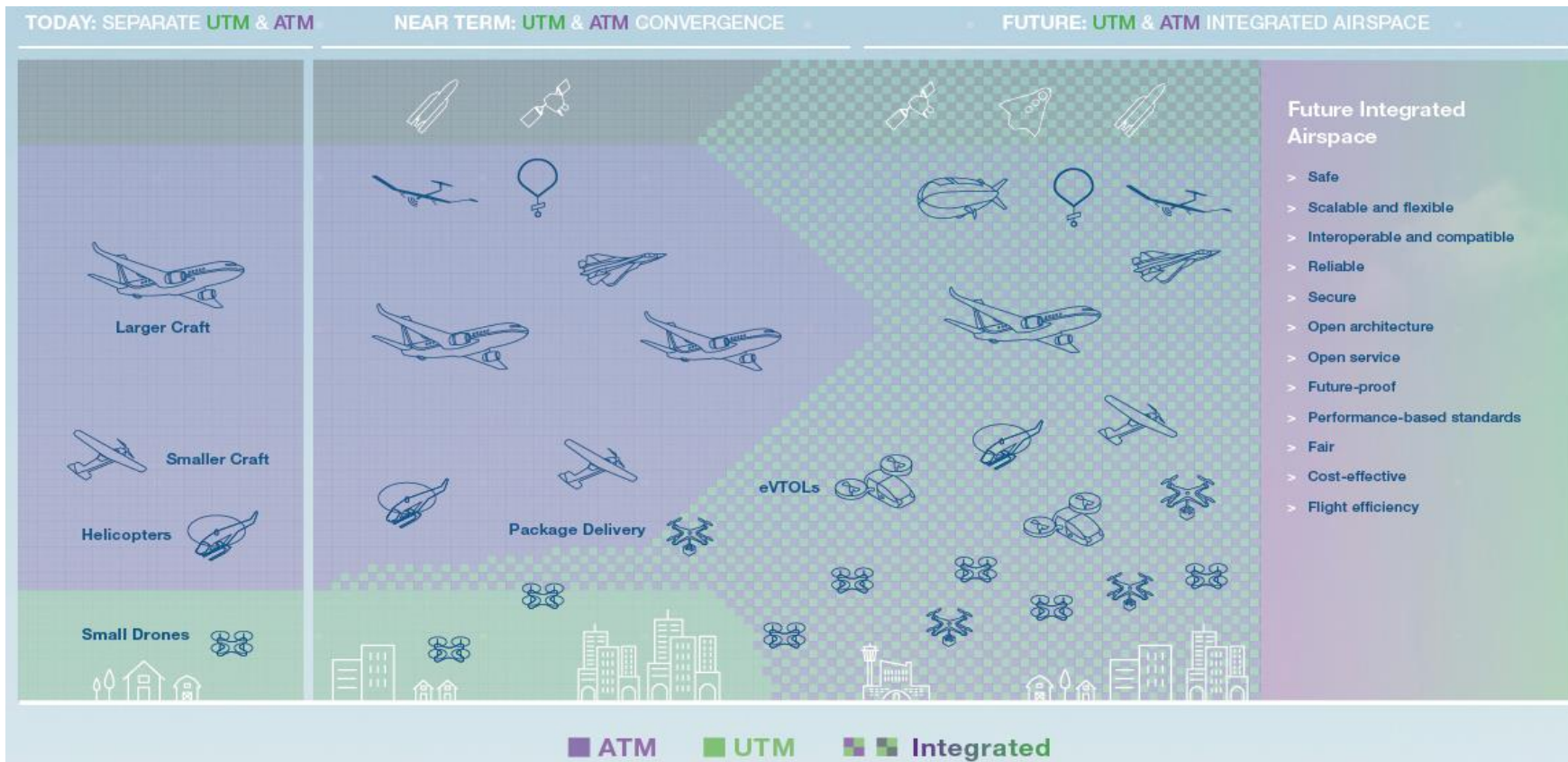
Integrated (UTM/ATM), accessible airspace supporting a wide range of new aircraft and operations globally

Traffic Management Evolution:

UTM is an enabler to a digital evolution in traffic management necessary to scale unmanned and increasingly automated operations in a way that is safe, efficient, and environmentally sustainable

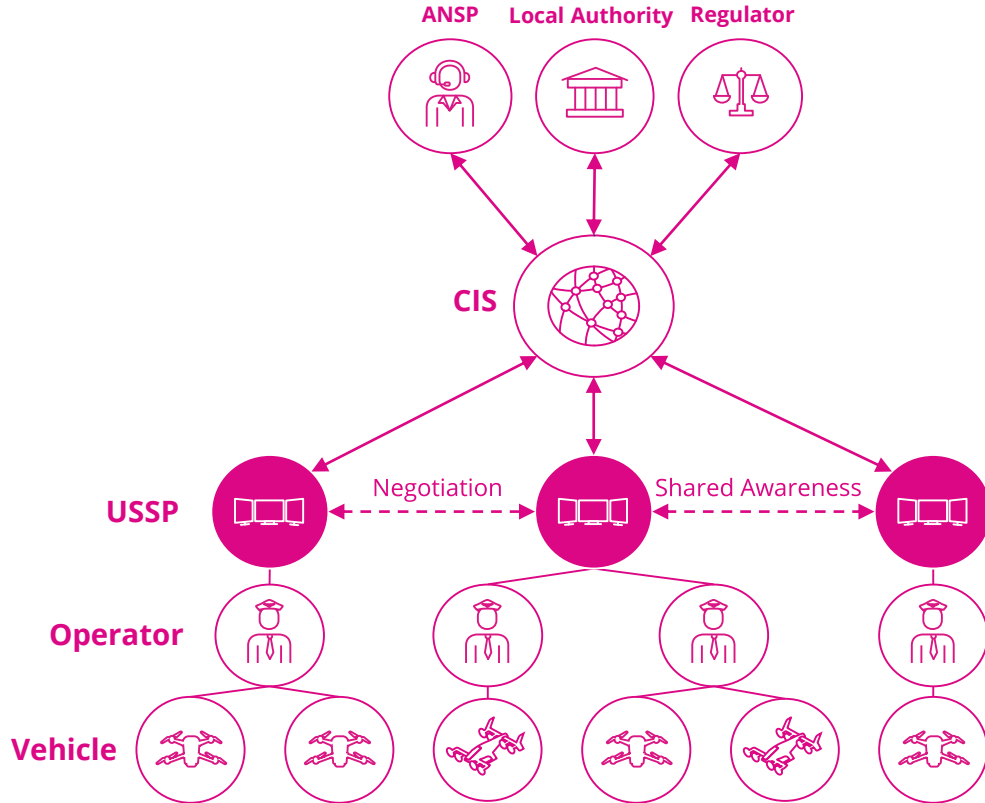


Integrated Airspace



UTM Concepts

Candidate U-Space Architecture



Services that enable automated coordination and trajectory negotiation between airspace users

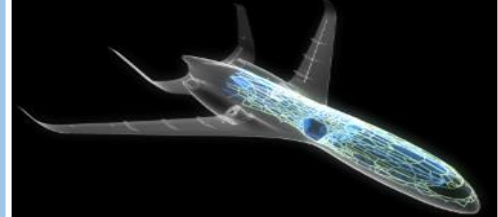
The upcoming aerospace revolution: A series of new technologies and business models will allow us to rethink urban mobility Airbus Amber



Distributed electrical propulsion and batteries



New materials and production technology




Advanced avionics, growing automation, advanced airspace management



UAM ecosystem maturity: Greater than the technological hurdles ...

Urban Aircraft	Support & Service	Flight Operations	Air Traffic Management	Ground Infrastructure	Passenger Solution
					
<p>Design, Develop and Produce</p>	<p>Maintain, Repair, Overhaul, provide Spare Parts</p>	<p>Operate the Urban eVTOL, Acquire or Lease</p>	<p>Develop and Operate ATM / UTM Solutions for Urban Flight</p>	<p>Build and Operate Ground Segment</p>	<p>Provide end-to-end Passenger Experience</p>

Local Authorities: a new stakeholder for urban air mobility

















Urban Air Mobility Initiative Cities Community



The voice of cities and regions in urban air mobility

DRIVING THE SUSTAINABLE & RESPONSIBLE TRANSITION OF URBAN MOBILITY TO THE 3RD DIMENSION









City & Region Members

-  Antwerp, Hasselt & Liege (MAHHL)
-  Oulu, Tampere
-  Aix-Marseille, Albi, Ile de France, Region N. Aquitaine, Region Sud, Toulouse
-  Aachen (MAHHL), Berlin, Hamburg, Ingolstadt, Region Northern Hesse
-  Egaleo, Trikala
-  Bari, Turin
-  Amsterdam, Enschede, Heerlen & Maastricht (MAHHL)
-  Metropolia GZM
-  Porto
-  Ljubljana
-  La Coruna, Madrid, Malaga, Zaragoza
-  Norrkoping, Stockholm
-  Canton of Geneva
-  Durham, Oxfordshire County


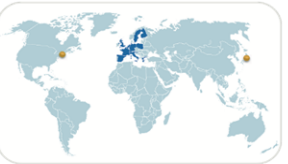
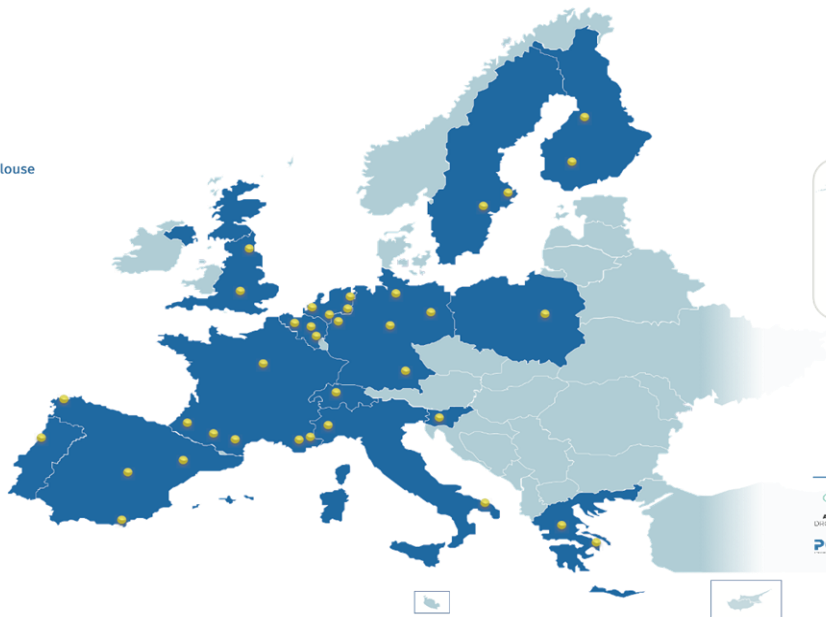
International City & Region Partners

-  Mie Prefecture
-  Commonwealth of Massachusetts

Knowledge Partners

-  ARCTIC ONIC/TeLias
-  JUTY
-  DTA
-  GITEC
-  ERTICO
-  POLIS
-  CEIIA
-  ARC

Latest update: 17 Feb. 2022



Initiated by Airbus
in close
collaboration with
the European
Commission under
the EU's Smart
Cities Marketplace

Thank you

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