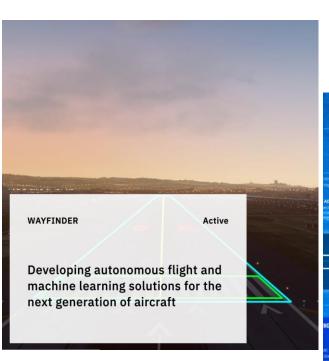




EVTOL/UTM Rob Keele Acubed (Airbus Silicon Valley) April 29, 2022

Acubed's Current Portfolio













Key UAM Enablers

- Vehicle (EVTOL)
- Air Traffic Management (UTM)
- Infrastructure (Vertiports)





EVTOL: Vahana









EVTOL: CityAirbus









EVTOL

- Legal and Regulatory Challenges for EVTOL:
 - Certification
 - Autonomy
 - Public Acceptance
 - IP
 - CONOPS





Airbus UTM

Mission:

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

Vision:

Integrated, accessible airspace supporting a wide range of new aircraft and operations globally

Unmanned Traffic Management (UTM) is a fundamental enabler to a digital revolution in air traffic management necessary to scale unmanned and increasingly autonomous operations in a way that is safe, efficient, and environmentally sustainable.



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Airbus UTM Areas of Focus

Airspace digital twin

 Developing an airspace digital twin to provide advanced air traffic modeling and simulation capabilities to analyze the future airspace.

Cloud-based digital platform & services

based digital platform and services to enable the development of UTM services and their secure and scalable delivery to aviation stakeholders. The platform will offer a digital transformation model for Airbus and contribute to digitizing global airspace operations.

Future Airbus platforms

• Supporting Airbus vehicle programs at Airbus Urban Mobility and Defence and Space (e.g. Zephyr, NextGen UAS, SIRTAP, etc) with solutions for the integration of Airbus' future autonomous platforms in nonsegregated airspace, focusing on low altitude and higher airspace.

Influencing regulations & standards

regulation and standards
so that they can
accommodate operations
based on autonomy and
digitalization, facilitate
the airspace integration
of Airbus' autonomous
vehicles and open the
way to an UTM services
market, while ensuring
global airspace safety.

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Thanks!

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