



EVTOL/UTM
Rob Keele
Acubed (Airbus Silicon Valley)
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Acubed's Current Portfolio

WAYFINDER

Active

Developing autonomous flight and machine learning solutions for the next generation of aircraft

ADAM

Active

Accelerating aerospace design and manufacturing through digital technologies

AIRBUS UTM

Active

Building digital air traffic management solutions to enable the next age of aviation

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Key UAM Enablers

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

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EVTOL: Vahana



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EVTOL: CityAirbus



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EVTOL

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

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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

- **Building a cloud-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 non-segregated airspace, focusing on low altitude and higher airspace.

Influencing regulations & standards

- **Influencing global 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!

- ▶ Rob Keele
Acubed
GC
robert.keele@airbus-sv.com

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