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## **FREQUENTIS and Unmanned Experts join NASA air mobility project**

- **NASA and its partners to increase maturity of Advanced Air Mobility (AAM) ecosystem**
- **Frequentis offers Unmanned Traffic Management (UTM) solution for airspace management, flight approval, and operator and drone registry**
- **Unmanned Experts are specialists in autonomous robotics, swarms, UTM, and mass data**

As low flying traffic over urban cities prepares to increase, Frequentis, a global control centre communication provider, and Unmanned Experts, a world-leading autonomous robotics specialist, are joining the NASA Advanced Air Mobility (AAM) project<sup>1</sup>. The two companies will add their unique expertise to this mission, which aims to support the emerging unmanned aviation markets to continue working towards integrating air taxis, which require electric vertical take-off and landing (eVTOL), cargo delivery aircraft, and other new air vehicle concepts into the US national airspace system.

The NASA AAM project will support the safe development of an air transportation system that will move people and cargo between places previously unserved or underserved by aviation, using revolutionary unmanned and autonomous eVTOL aircraft that are just realising their potential. The project includes work on Urban Air Mobility (UAM) and will provide substantial benefits to U.S. industry and the public.

“The safe integration of eVTOL into the airspace presents a great challenge and Frequentis is actively involved in projects (e.g. GOF 2.0) that are addressing this challenge. We are pleased that Unmanned Experts has selected us to join this NASA project. Frequentis will play a key role by deploying the MosaiX SWIM digital platform to connect all partner systems to the NASA system. Our platform also has the ability to convert all data from partner systems into the format required by NASA, ensuring streamlined data sharing”, says John Fort, Managing Director Frequentis California.

The AAM project is primarily focused on helping the UAM ecosystem to achieve a maturity level and to provide collaborative and responsive automation.

"We have put together an incredible team to help NASA with its AAM National Campaign and the US Air Force with its parallel Agility Prime program. In a scant year we plan to have live flights and in representative airspace under realistic scenarios. This is incredibly exciting and futuristic, but essential

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<sup>1</sup> <https://www.nasa.gov/aam>



to propel the USA back to the forefront of these technologies and capabilities," proffered Keven Gambold, CEO of Unmanned Experts Inc.

Frequentis, with almost 75 years of safety-critical communications experience, offers a comprehensive UTM solution that includes airspace management, automatic and manual flight approval, operator and drone registry, as well as other altitude, capacity and surveillance management, and integration with ATM-grade sensor fusion and multilateration capabilities. Unmanned Experts Inc. is a world-leading expert in the emerging fields of autonomous robotics, swarms, UTM and mass data, as well as having overwhelming experience in the traditional unmanned aircraft systems domains.

### **About Unmanned Experts (UMEX)**

Unmanned Experts Inc. (UMEX) is a world-leading provider of Subject Matter Expertise in the nascent fields of autonomous robotics, swarms, UTM and mass data. The UMEX team has peerless understanding of military, civilian, commercial and para-public unmanned system operations and continues to push the sharp end of the robotics industry forward. We provide the rare capability to originate and conduct research, development, testing, and evaluation of unmanned technologies, develop working Concepts of Operation, and then field them operationally.

Current focus areas: Unmanned Traffic Management: Testing & fielding the next generation of NAS integration services; Swarm Artificial Intelligence: Research & Development of numerous Swarm robotics capabilities; Concepts of Operation: Elucidation & trials of real-world application of advanced robotics & automation; Operational SME Support: Subject Matter Expertise in robotic planning, deployment, vignettes and operations; Critical Infrastructure and Key Resources Inspection SMEs: Several years of CIKR inspection programs have kept this as a company specialty; Training Services: In-residence and webinar-based courses on tech adoption and UAS utilization; Big Data Management: Collection, interpretation, management & security of massive client information.

UMEX is based in Colorado, USA and operates across all 50 states and internationally.

For more information, please visit [www.unmannedexperts.com](http://www.unmannedexperts.com)

### **About FREQUENTIS**

Frequentis, headquartered in Vienna, is a global supplier of communication and information systems for control centres with safety-critical tasks. Such 'control centre solutions' are developed and marketed by Frequentis in the business sectors Air Traffic Management (civil and military air traffic control, air defence) and Public Safety & Transport (police, fire brigade, ambulance services, shipping, railways). As a global player, Frequentis operates a worldwide network of branches, subsidiaries, and local representatives in more than 50 countries. Products and solutions from Frequentis can be found in over 40,000 operator working positions and in more than 150 countries.

Founded in 1947, Frequentis considers itself to be the global market leader in voice communication systems for air traffic control with a market share of around 30%. In addition, the Frequentis Group's AIM (aeronautical information management) and AMHS (aeronautical message handling) systems, as well as GSM-R dispatcher working positions for Public Transport are industry leading solutions.

The shares of Frequentis AG are traded on the Vienna and Frankfurt Stock Exchange under the ticker symbol FQT (ISIN: ATFREQUENT09). In 2020, the Frequentis Group generated revenues of EUR 299.4 million and EBIT of EUR 26.8 million. Following the transaction with L3Harris, the number of employees is around 2,100. For more information, please visit [www.frequentis.com](http://www.frequentis.com).

Jennifer McLellan, Media Relations Manager, Frequentis AG,  
[jennifer.mclellan@frequentis.com](mailto:jennifer.mclellan@frequentis.com), +44 2030 050 188