

## **FREQUENTIS partners with Altitude Angel to enable safe airspace integration of drones**

**By forming a strategic partnership, Altitude Angel and Frequentis will connect ATM to UTM and pave the way for safer use of unmanned aircraft.**

Frequentis, the leading provider of ATM communication, automation and information solutions and Altitude Angel, the pioneering drone management platform and airspace integration start-up, have entered into a strategic partnership to provide solutions that will allow Unmanned Aerial Vehicles (UAVs) to more safely co-exist in the shared airspace.

The ability for drone technologies to support essential tasks such as emergency health services and organ transport, policing and traffic patrols, highlights the need for them as an important user of airspace. However, this increases the pressure to safely manage it.

"The underlying mission of the industry remains the same – to fly safely and legally in assigned airspaces. Finding a way for drones and manned aircraft to safely coexist is crucial. We understand that building a harmonised framework for air traffic management (ATM) and unmanned traffic management (UTM) is the safest way forward. Altitude Angel's GuardianUTM platform coupled with Frequentis' mature, safety-critical infrastructure components and state-of-the art technology will ensure their safe integration into the airspace. Our focus is to enable new business models for our ANSP customers and enable organisations to leverage the potential of these autonomous technologies," says Hannu Juurakko, Vice President ATM at Frequentis

Frequentis delivers a highly reliable, modular, end-to-end framework suite to connect UTM and ATM systems around the world. All Frequentis ATM products are 'drone ready', and can integrate the information and communication needs with unmanned traffic. Altitude Angel's geospatial database covers more than 80 countries and is a key component of its autonomous drone navigation system. This allows any drone to tap into its situational awareness database, helping them go beyond the line of sight of the operator. Altitude Angel's long-term goal is to use its platform to enable millions of autonomous drones to fly - safely - without any human pilots.

"Drones have the power to revolutionise business and transform lives. Our GuardianUTM platform provides the most accurate and up-to-date information for drone pilots, and multiple, reliable integration pathways to existing ATM systems and networks built on top of a common interface

framework. With Frequentis' expertise we can move forward in our goals for a harmonised airspace, bringing the ATM and UTM communities together for a more integrated airspace." said Altitude Angel Founder & CEO, Richard Parker, also a board member of the Global UTM Association

The companies are both involved in many drone research efforts and projects, with the focus on safely integrating them into the airspace. In Oct 2016, Frequentis contributed to the NASA UTM trials at Reno Stead Airport. Altitude Angel was also selected by NATS to provide a drone safety app and UTM solution. Both companies are actively involved in SESAR-driven research, and are members of relevant international and regional working groups, such as at the International Civil Aviation Organisation (ICAO), Global UTM Association (GUTMA), or the standardisation organisation EUROCAE.

Altitude Angel and Frequentis will be carrying out a demonstration of their solution at World ATM Congress in Madrid, March 6-9, booth 526.

### About Altitude Angel

Altitude Angel is an aviation technology company that creates global-scale solutions for the safe integration and use of fully autonomous drones into airspace worldwide. Supporting both U-Space and UTM, its purpose-built cloud platform delivers class-leading services to drone operators, manufacturers and software developers. Its GuardianUTM platform also provides scalable and robust digital communications services to aviation stakeholders, national drone registration solutions and integrated identification services, to deliver comprehensive protected airspace management solutions with governments, regulatory bodies and ANSPs.

Altitude Angel was founded by Richard Parker in 2014 and is headquartered in Reading, UK.

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### About FREQUENTIS

Frequentis is an international supplier of communication and information systems for control centres with safety-critical tasks. These control centre solutions are developed and distributed by Frequentis in the business segments Air Traffic Management (civil and military air traffic control, and air defence) and Public Safety & Transport (police, fire and rescue services, emergency medical services, vessel traffic and railways). Frequentis maintains a worldwide network of subsidiaries and local representatives in more than fifty countries. The company's products and solutions are behind more than 25,000 operator positions in over 130 countries. With this extensive portfolio, Frequentis is the leading provider of voice communication systems... all making our world a safer place every day!

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

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