

FREQUENTIS: Project collaboration and orders in drone management confirm growth strategy

- **Frequentis as largest industrial partner for “AIRlabs Austria Innovation Laboratory”**
- **Participation in EU research project SESAR GOF U-space**
- **Order from US Navy for drone communication system**

Frequentis AG (ISIN: ATFREQUENT09), a leading international provider of communication and information solutions for control centres with safety-critical tasks, presses ahead with the strategic core topic of “drone management in the sector of air traffic control”. As the largest industrial partner in the recently launched "Take Off" Aeronautics Programme of the Austrian Federal Ministry for Transport, Innovation and Technology (BMVIT), Frequentis is responsible for the technical integration in the AIRlabs Austria Innovation Laboratory, which will create a unique drone test infrastructure to investigate the requirements for Unmanned Aerial Systems (UAS). In addition, the company provides a central data exchange platform for the European drone research project SESAR GOF U-space. This competence is further confirmed by the US Navy order: In July, the long-standing customer opted for a Frequentis voice and data communication system to support a programme for Unmanned Aerial Vehicles (UAVs) to refuel aircrafts in the air.

"As a recognised innovation leader in information processing systems in safety-critical areas, it is our goal to ensure the fast deployment of new technologies. Our commitment to drone management projects and assignments confirms our strategic focus," says Frequentis CEO Norbert Haslacher, emphasising the importance of these projects for the company.

Extensive cooperation with AIRlabs Austria

The Aeronautics Programme “Take Off” of the Austrian Federal Ministry for Transport, Innovation and Technology (BMVIT) includes the construction and operation of a unique drone test infrastructure for UAVs. The contract was awarded to the consortium of the University of Applied Sciences, FH Joanneum Graz, with 24 renowned members, including Frequentis as the largest industrial partner. At the kick-off meeting in mid-July, the first steps towards successful implementation of the five-year project were taken.

A special multi-stage concept will cover research and development, validation and deployment in a real UAS environment, across all technology maturity levels. This allows the nationwide testing of various drone applications such as flight dynamic characteristics under challenging weather conditions in the alpine area, urban flight operations, as well as monitoring critical infrastructures such as energy networks. The test areas are not limited to the airspace, they also offer the possibility to carry out indoor drone testing or to simulate them in the laboratory.

Frequentis, as an important global system provider for the management of UAVs, is responsible for the technical integration in cooperation with the consortium partners. To enable a secure and efficient test operation, Frequentis provides an integration platform for the air traffic control of manned Air Traffic Management (ATM) and Unmanned Traffic Management (UTM). This ensures that the different data formats are converted, merged, and made available to users efficiently. Frequentis provides the technical requirements from existing ATM solutions.

Participation in EU research drone project

Frequentis provides a central data exchange platform for European drone projects. The European research project SESAR Gulf of Finland (GOF) U-space aims to enable the safe and environmentally friendly integration of drones into the lower airspace. Two large-scale validations for the commercial use of drones and the integration of UAVs into a common airspace were carried out in the Gulf of Finland in June, with further trials set for later in August.

Order from the US Navy for unmanned aerial vehicles

The US Navy opted for a Frequentis voice and data communication system to support their MQ-25 unmanned aircraft programme for the in air refueling (AR) of other Naval aircraft. Frequentis has already supplied voice communication systems for aircraft and helicopter carriers to the long-standing customer, which confirms Frequentis' strategy of growing its existing customer base. The new system allows the seamless integration into the IP infrastructure and meets the highest security requirements. The project volume amounts to around USD 8.5 million (around EUR 7.7 million) and will be implemented by 2021.

About FREQUENTIS

The Austrian company Frequentis headquartered in Vienna is an international 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 (the police, fire brigade, ambulance services, shipping, railways). 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 25,000 operator working positions and in about 140 countries. Founded in 1947, Frequentis is, by its own estimation, the global market leader in voice communication systems for air traffic control with a market share of around 30%. Moreover, the Frequentis Group's systems are globally leading in AIM (aeronautical information management) and aeronautical message handling systems, as well as in GSM-R systems in the field of Public Transport.

The shares of Frequentis AG are traded on the prime market on the Vienna Stock Exchange and in the general standard on the Frankfurt Stock Exchange under the ticker symbol FQT (ISIN: ATFREQUENT09).

For more information, please visit www.frequentis.com

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