

FREQUENTIS: Drone management in Estonian airspace

- **COVID-19 drone operations to support Estonian emergency services**
- **Frequentis flight information management system enables shared air situation picture**
- **Joint project with Estonian Air Navigation Services (EANS) and the Estonian manufacturer of UAS (Unmanned Aerial Systems), Threed Systems**

"We cooperated successfully with the Estonian air navigation service provider, EANS, in the SESAR Joint Undertaking U-space project in the Gulf of Finland (GOF)," says Frequentis CEO Norbert Haslacher. "The aim was to ensure safe and secure drone flight operations for a number of essential scenarios. Now our flight information management system is being used again in Estonia in the wake of the COVID-19 pandemic".

Together with EANS and the manufacturer of unmanned aerial systems (UAS), Threed Systems, Frequentis enabled the Estonian blue-light organisations to carry out important drone missions for medical transports and for gathering information during the COVID-19 lockdown.

For example, the Estonian police together with the Estonian Academy of Security Sciences used drones in several regions of the country to inform the public about the rules of the lockdown and to monitor ongoing activities. Among other things, strict movement restrictions were introduced between the islands and the Estonian mainland during the lockdown to stop the spread of the virus. Local authorities also need assistance in transporting medical supplies to remote locations or islands and in forwarding COVID-19 test samples.

This meant that both manned and unmanned flights had to be coordinated in Estonian airspace - similar to what had been carried out during the test series of the GOF U-space project last summer. As with the previous year, the Frequentis Flight Information Management System (FIMS) was used to enable the joint exchange of information between all participants in the airspace. The FIMS provides air traffic controllers with a complete real-time picture of the air situation and allows both manned flights and drones to share airspace safely.

About EANS

EANS (Lennuliiklusteeninduse Aktsiaselts) is the Estonian air navigation service provider, which is part of the Estonian Ministry of Economy and Communications of the Republic of Estonia. The company has many years of extensive experience in the modernisation of air traffic management (ATM) and aeronautical information management (AIM) systems, airspace organisation and the design and implementation of air traffic control procedures.

<http://www.eans.ee/en/>

About Threod Systems

Threod Systems, a privately-owned Estonian company, specializes in the design, manufacture and operation of Unmanned Aerial Systems (UAS) designed to collect and use information in military, government and civil applications.

<https://threod.com/>

About Estonian Academy of Security Sciences

The Estonian Academy of Security Sciences (EASS) is a state institution, whose objective is through internal security related academic education, research and development activities, and also through the training of honest and competent public servants, to create a secure state and conditions for stable development across the state of Estonia and therewith contribute to the security of the entire European Union (EU). EASS drone center is focusing on collaboration between state internal security and safety agencies and developing knowledge and drone services among internal security and safety students and governmental entities.

About FREQUENTIS

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 (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 30,000 operator working positions and in approximately 140 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 systems for Public Transport are industry leading global solutions.

The shares of Frequentis AG are traded on the Vienna and Frankfurt Stock Exchange under the ticker symbol FQT (ISIN: ATFREQUENT09). In 2019, the Frequentis Group had about 1,850 employees worldwide and generated revenues of EUR 303.6 million and EBIT of EUR 17.2 million.

For more information, please visit www.frequentis.com

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