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FREQUENTIS and US DoD enhance operator safety and situational awareness with deployable digital tower

- **Successful early operational assessment completed by Frequentis Defense, US Air Force Flight Standards Agency, and the Naval Information Warfare Center Atlantic**
- **Three fixed and deployable system trials carried out in Florida, Georgia, and Texas**
- **Trials took place during real-time operations in a first-of-its-kind program**

Frequentis Defense has successfully completed trials of its fixed and deployable digital tower for the United States Department of Defense (DoD). The team for Frequentis Defense Inc. (FDI), the US Air Force Flight Standards Agency, and the Naval Information Warfare Center Atlantic worked together to successfully complete the three trials of the Frequentis Digital Tower at three Air Force and Naval Air Bases to prove the operational feasibility and benefits of the system for military personnel.

“We think the future is bright for the remote digital tower. We continue to do assessments of this technology; we continue to be impressed with it. We do believe it has benefits, particularly where we don’t have to put the controllers in the tower, keeping them out of harm’s way,” noted Ed Wright, Executive Director, Headquarters US Air Force Flight Standards Agency, US DoD.

The deployable digital tower is set up in a military container environment, with a nominal amount of controller working positions. It can be remotely deployed in short time frames and with minimal disruption to operations. It has been designed to enhance crew safety, situational awareness, training, and other mission requirements to support air traffic control.

The control room can be in a centralized location allowing staff working on different scenarios to be co-located. Being a digital solution enhances the systems abilities, integrating data from sensors, cameras, and radar to create a 360 degree, panoramic, out of the window view that includes standard and thermal imaging in all weather conditions. With cameras, air traffic controllers can replace outdated binoculars, increasing their ability to view the airspace and airfield, which greatly enhances situational awareness. The digital information provided to the controller is also recorded for reference and training.

“Our partnership with the US DoD and the success of our trials in real-time operations ensures that Frequentis continues to pave the way in Defense with our deployable digital tower solution,” states Jay Balakirsky, President Frequentis Defense. “We are incredibly proud of our team for completing this first-of-a-kind program. Digital Tower technology is changing the way that air traffic is controlled and will improve the safety, efficiency, and capability of air operations.”

The team for Frequentis Defense Inc. (FDI), the US Air Force Flight Standards Agency, and the Naval Information Warfare Center Atlantic worked together to successfully complete the three trials of the Frequentis Digital Tower. Operational assessments were initially carried out in a fixed tower configuration at an Air Force Base, followed by an expeditionary deployment at a second Air Force Base. A third trial was conducted at a Naval Air Station, where the digital tower was used to control an airfield at a remote location.

About FREQUENTIS DEFENSE, INC.

Founded in 2004, Frequentis Defense, Inc., a US corporation with its headquarters in Columbia, Maryland, designs, builds, integrates, and provides round the clock support for communication and information systems for the Department of Defense. FDI enables its military customers to communicate and operate in a complex environment thereby enhancing their safety and mission effectiveness.

For more information, please visit www.frequentisdefense.com

About FREQUENTIS

Frequentis is a global supplier of communication and information systems for control centres with safety-critical tasks. The listed family company develops and markets its “control centre solutions” in the Air Traffic Management segment (civil and military air traffic control, air defence) and the Public Safety & Transport segment (police, fire brigades, emergency rescue services, railways, coastguards, port authorities). With a market share of 30%, Frequentis is the world market leader in voice communication systems for air traffic control. Frequentis is also the global leader in aeronautical information management and aeronautical message handling systems.

As a global player with around 2,200 employees (full-time equivalents/FTE), Frequentis has a global network of companies and representatives in more than 50 countries. Its head office is in Vienna, Austria. Frequentis’ products, services, and solutions are used at more than 45,000 operator working positions in around 150 countries. Shares in Frequentis are traded on the Vienna and Frankfurt stock exchanges; ISIN: ATFREQUENT09, WKN: A2PHG5. In 2022, revenues were EUR 386.0 million and EBIT was EUR 25.0 million.

Wherever Frequentis’ systems are used, safety-critical operators bear responsibility for the safety of other people and goods. The company also works towards a more sustainable future through its air traffic optimisation solutions.

For more information, please visit www.frequentis.com

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