

Papua New Guinea to enhance safety-critical airspace network with FREQUENTIS

NiuSky Pacific Limited selects Frequentis technology to optimise air traffic management network performance

Papua New Guinea's National Air Navigation Services Provider (ANSP), NiuSky Pacific Limited, has selected Frequentis for a pilot project to further improve their critical network infrastructure.

The technical solution is centered around the vitalsphere™ automatic service level manager NetBroker. NetBroker was specifically developed for the Air Traffic Management (ATM) environment and was designed and implemented according to the applicable ATM safety standards.

“We are delighted to be continuing our successful relationship with Frequentis by taking this first step to optimise the performance of our ATM network. Given the remote location of many of our aerodromes, a secure and resilient network performing at its peak is vital to the safety and efficiency of our operations” says Captain Ted Pakii, CEO and Managing Director at NiuSky Pacific Limited.

The pilot project includes the installation of the vitalsphere portfolio elements at Port Moresby as well as at a remote site. The automatic service level manager, which is designed specifically for the safety-critical ATM domain, performs constant evaluation of each available network connection. With this information it dynamically reroutes single traffic flows to the network, delivering the required performance and quality values for this specific type of traffic with no loss of network service. As a result, the end-to-end availability of each traffic flow is maximised, allowing air traffic controllers to keep the skies open and safe.

“Frequentis’ focus is on providing safe and secure solutions for ATM environments. We are proud, that we can provide NiuSky Pacific with an innovative but proven technology to make their network ATM-grade. By utilising our automatic service level manager, we fill the technical gap between conventional IP networks and the very specific and heterogeneous requirements of various ATM applications,” says Hannu Juurakko, Frequentis Vice President ATM Civil and Chairman of the ATM Executive Team.

Frequentis first worked with the ANSP of Papua New Guinea in 2014, implementing voice communication for the ACC in Port Moresby. By implementing intelligent routing and control with Frequentis, NiuSky Pacific Limited is moving towards creating scalable networks and enhanced situational awareness together with ATM-grade networks standards for the region.

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.

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