

FREQUENTIS extends Malaysian ATM-grade network solution to include Borneo

The Frequentis IP network solution has been extended to the second Malaysian Flight Information Region (FIR) to encompass the rest of Malaysia

Following a successful installation of the Frequentis vitalsphere network solution for the new Kuala Lumpur Air Traffic Control Centre (KL ATCC), Frequentis was selected to extend the ATM-grade radio communication solution for the Civil Aviation Authority of Malaysia (CAAM) to the second FIR.

The solution is based on VCX-IP and integrates the centres at Kuching and Kota Kinabalu with 21 radio sites across Borneo, enhancing resilience and safety for air traffic control (ATC) radio communication. The Malaysian airspace is divided into the Kuala Lumpur and Kota Kinabalu FIR, with each having its own air traffic control centres, Kuala Lumpur ATCC (KL ATCC) and Kota Kinabalu ATCC (KK ATCC) as well as a sub-centre in Kuching.

“The Frequentis solution has proven its commercial and technical benefits in the KL ATCC project and, given the positive experience, it was a natural choice to rely on the same technology for the country-wide extension,” says Mohd Fahmi Abd Aziz, Telekom Malaysia Account Manager for Aviation Sector.

VCX-IP is an application-level gateway for voice and data communications complying with European and international VoIP (voice over IP) standards for civil and military air traffic management (ATM). It provides protocol conversion for radio, phone and data, enables ATM-specific contingency scenarios using intelligent routing and optimises ATM applications used by civil and military air navigation service providers (ANSPs).

“ATM-grade network solutions such as the VCX-IP are a powerful means to safely connect and deliver controller benefits even during the transition towards an all-IP infrastructure. With thousands of network nodes installed globally for safety and mission critical networks, Frequentis is proud to have been chosen by TM to extend the network solution for CAAM to a country-wide network”, says Gonzalo Moreno, Frequentis Director Air Traffic Management Networks.

The network spans the complete Malaysian airspace, covering three air traffic control centres (ATCCs), 19 peninsular radio sites and 23 radio sites in Borneo. Given the hybrid infrastructure, which comprises

legacy as well as ED-137 IP based systems, it is good example of how Frequentis ATM-grade network technology supports a seamless integration and the transition towards new technologies.



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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