

## Bahrain upgrades ATC communications with FREQUENTIS

**Bahrain Ministry of Transportation and Telecommunications' (MTT) Civil Aviation Affairs (CAA) is continuing its ATM upgrade program with Frequentis, in order to modernise the Bahrain International Airport voice communication infrastructure. The new Area Control Centre (ACC) will be equipped with the latest Frequentis VCS3020X.**

Bahrain International Airport is the Gulf's oldest airport and the nation's gateway, managing over 100,000 flight movements per year, supporting over 8 million passengers. The airport is currently undergoing an expansion that will increase its passenger capacity to 14 million with the new passenger terminal opening at the end of January 2021.

Bahrain airspace, which stretches from the United Arab Emirates (UAE) to Kuwait, also sees MCT CAA deal with over 600,000 overflights per year. As passenger numbers begin to return to pre-covid levels the anticipated air traffic growth in the region will benefit from a high performing, reliable and future-proof ATC communication system. The new system will be located in the brand-new ACC building and deliver the upgrade program of the ATM system.

"Frequentis is proud to be providing Bahrain MTT CAA with the latest voice communications technology and pleased that CAA has entrusted us with to continue the modernisation and extension of its voice communication system. As a field proven compact and fully duplicated end-to-end IP VCS, the VCS3020X system provides flexible integration of the existing analogue and digital radio infrastructure. The CAA can manage all communications with the shortest air-ground delay, while providing the best voice quality. We look forward to continuing our successful long-term partnership," said Hannu Juurakko, Vice President ATM Civil at Frequentis.

Frequentis has a long-standing history in Bahrain having completed similar projects with the CAA in and multiple voice communications and recording systems for other Bahrain entities. The new system, which is scheduled to be delivered in mid-2021 will be configured for 43 positions, supporting operations at the ACC and simulation room.

The fully redundant solution also comprises a multitude of interfaces to external systems. It is ready for future IP radio and telephone connectivity and complies to the ED-137B EUROCAE (European Organisation for Civil Aviation Equipment) standard.

VCS3020X is the leading end-to-end IP communication solution for Air Traffic Management globally. Its robust and proven architecture brings unrivalled scalability and functionality, and its wide array of workload sharing, and networking capabilities makes it a critical element for any successful implementation of dynamic sectorization, or virtual air traffic control. The VCS3020X will bring CAA the best performing air traffic control voice communication solution, together with rapid deployment and the lowest total cost of ownership.

## 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](http://www.frequentis.com)

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