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FREQUENTIS to supply Hong Kong with integrated tower solutions

Hong Kong's confidence in the integrated tower solutions offered by Frequentis has resulted in a new order for the company's electronic flight strips system by the Civil Aviation Department of the Government of the Hong Kong Special Administration Region. Under the contract, the global market leader for communication and information systems in air traffic management will supply the two towers at Hong Kong International Airport with its "smartStrips" next-generation flight data handling solution, integrating both Departure Clearance (DCL) using datalink and its "smartTools" solution for aeronautical information display and control.

smartStrips is an advanced electronic flight strips system that increases the efficiency of tower operations through automation, while also providing such safety benefits as runway incursion warnings. It integrates fully with local flight data processing systems, airport operational databases, and meteorological data sourced both locally and from the Hong Kong met office. To cope with traffic demands, it also provides Departure Clearance (DCL) to aircraft using standard datalink procedures and protocol.

smartTools provide the controller with advance access to all the supporting information they require. The GUI concept focuses on the user and their needs, providing context-sensitive and instant access to important information. This includes real-time weather information, navigational aids status, relevant charts, and similar kinds of supporting information.

The solution is based on the Frequentis TAPtools platform, an ATC-grade platform for air traffic control applications. This platform has also been selected by NATS (the British ANSP) as its electronic flight data system for the Prestwick and London Terminal Control centres.

Frequentis smartStrips – next-generation flight data management

smartStrips is the Frequentis solution for next-generation flight data management (FDM). The next generation of air traffic management systems will deploy enhanced automation techniques to improve efficiency and safety in all types of airspace. smartStrips flight data management is a core

technology specifically designed to provide tangible improvements to the controller's workflow and decision support activities. smartStrips FDM gives controllers the tools and information they need to work towards safety (separation), economic (efficient use of airspace, cost savings), and environmental (avoiding unnecessary emissions) objectives. The new FDM tools from Frequentis use open interface standards and open database models.

Hong Kong International Airport

Hong Kong International Airport (HKIA) is the fourth-busiest international passenger airport and operates the busiest international cargo facilities in the world. In 2009, 46.1 million passengers used the airport and some 3.35 million tonnes of air cargo passed through its facilities. With some 750 aircraft movements every day and around 90 airlines operating from HKIA, the airport links Hong Kong with around 150 destinations round the world.

Frequentis smartStrips® uses elements of the DigiStrips technology created by DSNA-DTI / Research & Development, formerly CENA.

About Frequentis

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