

Beat: Technology

THALES To Accompany HONG KONG INTERNATIONAL AIRPORT In Its EXPANSION PROGRAMME

A NEW RUNWAY And A NEW TERMINAL

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USPA NEWS - Thales will contribute to the Expansion of Hong Kong International Airport. With the Construction of a New Runway and a New Terminal, Airport Authority Hong Kong is redefining Mobility in and around this Major Transport Hub. Thales, in Cooperation with Niigata-Transys Co., Ltd. (NTS), an IHI Corporation Group Company specialised in Transportation System, will play a Key Role in the Project by Extending the Existing Lines of the Automated People Mover (APM) System, a Driverless Train System that links the Different Terminals of the Airport and the SkyPier Ferry Terminal. Thales will also supply all the Signalling Equipment installed on board the New APM Trains.

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Since it opened in 1998, Hong Kong International Airport has experienced Strong Growth and is now one of the World's Busiest Airports in Terms of Both Passenger Traffic and Freight Volumes. To meet the Long-Term Air Traffic Demand which is expected to reach over 100 Million Passengers by 2030, the Airport is about to expand into a Three-Runway System, including a New Third Runway and a New Concourse to support the Growth. This will mean modifying the Existing Transport Infrastructure and rethinking Mobility Systems in and around the Airport.

Thales has won Two Rail Signalling Contracts as Part of this Programme. The First Contract involves Resignalling the Existing APM Line to accommodate Configuration Changes and the Relocation of the Depot. This Complex Project will take Seven Years to complete and involves Working on an Operational System without interrupting Services to Users.

The Second Contract is for New Trains that will be equipped with Thales's SelTrac CBTC (Communications Based Train Control) Solution. Installed On Board The Trains, SelTrac is the Central Nervous System of the Signalling Solution, Controlling Train Trajectory, Speed and Headway to ensure Safety and maintain Communications between the Trains and the Operations Centre.

CBTC is the Latest Signalling Technology for Metro Systems. It enables Operators to control Train Movements Accurately and Safely, making it possible to Run Trains More Frequently and at Higher Speeds. Thales's CBTC Solution improves Metro Line Capacity, Efficiency, Reliability and Safety while Reducing Operating Costs.

Thales CBTC Signalling Solution is in Operation on 86 Metro Lines in 40 of the World's Largest Cities and Safely Transports more than 3 Billion Passengers Per Year.

* Photo Cover : Thales to accompany Hong Kong International Airport in its expansion programme

Source : Thales

Ruby BIRD

<http://www.portfolio.uspa24.com/>

Yasmina BEDDOU

<http://www.yasmina-beddou.uspa24.com/>

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Editorial program service of General News Agency:

UPA United Press Agency LTD

483 Green Lanes

UK, London N13NV 4BS

contact (at) unitedpressagency.com

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