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KLIA2 Airport Kuala Lumpur

Design, supply and install of automated
baggage handling system

Malaysia's next generation international airport hub

Officially opening its doors in May 2014, KLIA2 was designed in response to the rapid growth of the low-cost travel industry, and is scaled to accommodate 45 million passengers per year.

The new KLIA2 terminal cost approximately MYR 4 billion and is the largest LCC terminal in the region. Covering a total of 242,000 square meters, the terminal boasts 68 aircraft parking bays and a 300m pedestrian skybridge, under which aircraft can pass.



Accommodating

45,000,000

passengers per year

Key features

- 128 check-ins
- Over 10km in aggregate length for over 1,200 conveyors
- Over 2km in aggregate length for 21 carousels
- 2 high speed tilt tray sorters
- 14 inline screening X-ray machines on the conventional baggage system plus 5 for the out of gauge lines
- 250 barcode readers
- Complete overhead support structure for the system to allow the baggage handlers complete and open access in the bag room
- Unparalleled redundancy within all parts of the system to ensure the airport to ensure maximum uptime for the airport and airlines
- Daifuku HLC Airflow system with the complete suite of reports to allow the operational teams to maximise the efficiency of the system
- EBS infrastructure for early bags
- Daifuku Sym3 3D operations SCADA with live bag tracking
- CCTV system for the complete baggage system

Result

The updated system has the capacity to process 32,000 bags per hours, or 30–45 million passengers per year. The bag journey on the system is low, allowing for 100% bag screening for security purposes.

USD 50M

Contract value



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