

Technical Visit to Malaysia Airports (Sepang) Sdn Bhd - KLIA 2 Baggage Handling Conveyor System and Operation Room

Organised by:

Mechanical Engineering Technical Division, IEM

Date : 06th September 2022

Time : 8.00am to 4.00pm

Venue : KLIA 2 (Coach provided)

BEM Approved CPD/PDP Hours: 5 Ref No: IEM22/HQ/334/V

Synopsis

The baggage handling system at an airport plays a crucial role in keeping travelers happy. It also can make the difference in an airport's ability to attract or keep a major airline hub ("an airport that serves as a central connecting point through which many flights of a particular airline are routed"). A baggage-handling system BHS developed by BCS Airport System use "BAGgate" system, capable of incorporating fingerprint biometrics and iris recognition has three main jobs:

- 1) Move bags from the check-in area to the departure gate
- 2) Move bags from one gate to another during transfers
- 3) Move bags from the arrival gate to the baggage-claim area

Commitment fees (inclusive GST)

(Non refundable & non transferable)

IEM Member: RM 50.00

Non IEM Member: RM 70.00

Each airport has its own requirements. For instance, the time allotted for a bag to make it from the check-in area to the gate is determined by how fast a passenger can make the same trip. In some airports, it might only be a short walk to the passenger terminal, while in others; passengers might have to take a train. KLIA2 is the world's largest purpose-built terminal for low cost carriers (LCCs) with the capacity to serve up to 45 million passengers annually, ready to cater for the explosive growth in low cost travel. In this visit, we'll work our way through the baggage-handling system at KLIA2, We'll start with an overview.

- 1) Destination-coded vehicles (DCVs),
- 2) Unmanned carts propelled by linear induction motors mounted to the tracks, can load and unload bags without stopping.
- 3) Automatic scanners scan the labels on the luggage.
- 4) Conveyors equipped with junctions and sorting machines automatically route the bags to the gate.

The system incorporates some amazing technology to move bags from the check-in counter to the departure gate in an almost completely automated way.

Time	Itinerary
07.00 am – 07.15 am	Registration in IEM
07.20am	Group departure from IEM Building
08.00 am	Arrival at KLIA 2
08.15 am – 09.15 am	Briefing with Refreshment
09.15 am – 09.45 am	Registration Pass Access KLIA
10.00am - 12.00pm	Visit to Baggage Handling System Conveyors and Operation Room.
12.00 pm – 1.00pm	Lunch
1.00 pm – 2.30 pm	Continue Visit
2.30 pm - 3.15 pm	Q & A Session
3.15 pm – 4.00pm	Presentation of Token – Visit Ends

- ✓ The visit is strictly limited to **35 participants** registered on a first-come, first-served basis.
- ✓ Interested participants are to register and pay online at www.myiem.org.my or register by returning the appended registration form **before 1st September 2022** together with the payment.
- ✓ Cheques are to be made payable to **The Institution of Engineers, Malaysia**.
- ✓ Please note that the commitment fee must be settled prior to the visit. Payment on the day of the visit is not acceptable.
- ✓ After this closing date, IEM reserves the right to allocate seats on first come first pay basis.
- ✓ Members are also reminded that if a place is reserved, IEM *may* cancel the reservation if payment is not received.

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.



REPLY SLIP

Technical Visit to Malaysia Airports (Sepang) Sdn Bhd - KLIA 2 Baggage Handling Conveyor System and Operation Room

I wish to participate in the above technical visit on **06th September 2022 (Tuesday)**. I enclose herewith Cash / Cheque No for the amount of **RM50.00/RM70.00** as my commitment fee for the visit.

Name of Member: M'ship No..... Grade:

Address: Tel (Off./Res): Mobile

Company's name:

I/C No. of participant:

I will be participating in the visit at my own risk and hereby indemnify fully the IEM from all claims arising from any injury, damage or loss that may be sustained by me.

.....
Date

.....
Signature

(Photostat copies are acceptable)

