



# The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor Darul Ehsan  
Tel : 03-79684001/2 Fax : 03-79577678 E-mail : [sec@iem.org.my](mailto:sec@iem.org.my) IEM Homepage: <http://www.iem.org.my>

## TECHNICAL VISIT TO KLIA1 BAGGAGE HANDLING SYSTEM

(Organized by Mechanical Engineering Technical Division, IEM)

BEM Approved CPD/PDP Hours: 3 Ref. No.: IEM16/HQ/376/V

**Date** : 5 October 2016 (Wednesday)  
**Time** : 9.30 am -1.00 p.m  
**Venue** : KL International Airport , 64000 KLIA, Sepang, Selangor  
**Transport**: Coach will be provided. **(Coach will depart at 8.00am sharp)**

**Commitment fees (inclusive GST)**  
**(Non refundable & non transferable)**  
IEM Member : RM 50.00  
Non IEM Member : RM 80.00

### SYNOPSIS

Baggage Handling is a significant element of passenger processing that the baggage is of major importance to a smooth airline operation at the airport. BHS must able to sort large numbers of bags quickly and with a high speed degree of performance reliability. Automated BHS become the most critical system in the airport terminal. Baggage flow to follow the flow of passenger, cargo, cres and vehicles.

Outbound baggage account 100% hold baggage screening (HBS) as stated in International Civil Aviation Authority ( ICAO) Annex 17.

In KLIA the BHS system design capacity is 2700 bag per hour during departure and arrival capacity is 9720 bag per hour. KLIA BHS consist of Mechanical, Electrical , Information Control System / SCADA system –video wall (Mimic Panel) and 278 unit Screening System. BHS facilities are centrally controlled from Central Control Room (CCR) with SCR back up room at Satellite. KLIA BHS uses IATA licence Plate Tags with automatic bar code scanner for automatic sorting and reconciliation. It has 4 level of screening process. Design with 12 rows check-in counter with 18 counters for each row. It also equipped with 4195 numbers of conveyors / 171 lines (MTB & SAT) and 7.61km SIEMENS tray conveyors. Total length of conveyor in KLIA is 44.6 km. The visit will explain the unique of KLIA BHS system and will bring you closely to system that most people unable to see.

### ITINERARY OF THE VISIT

| TIME                  | ITINERARY   |
|-----------------------|---|
| 7.45 a.m. – 8.00 a.m. | Registration at IEM Building  |
| 9.30 a.m.             | Arrival of guests at KLIA (Meeting point at Security Pass Counter, Level 2, Main Terminal Building KLIA- Next to Food Garden) |
| 10.00 a.m.            | Proceed to CCR, Baggage Handling System   |
| 11.30 a.m.            | -Walkthrough briefing by Manager Baggage handling System, Malaysia Airports (Sepang) Sdn Bhd.<br>-Q & A session               |
| 12.45 p.m.            | Return Security Passes and Collect NRIC at Security Pass Counter, Level 2, Main Terminal Building KLIA                        |
| 1.00 p.m.             | Visit end   |

- ✓ The visit is strictly limited to **30 participants** registered on a first-come, first-served basis.
- ✓ Interested participants are to register and pay online at [www.myiem.org.my](http://www.myiem.org.my) or register by returning the appended registration form **before 28 September 2016** 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.

#### 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 (Fax to : 03-7957 7678) (Email: [norfarehan@iem.org.my](mailto:norfarehan@iem.org.my))**

Chairman, Mechanical Engineering Technical Division, IEM  
The Institution of Engineers, Malaysia

### Technical Visit to Klia1 Baggage Handling System

I wish to participate in the above visit on **5 October 2016**. I enclosed herewith a cheque No ..... for the amount of ..... as my commitment fee for the visit.

**Name of Member** : .....  
**Company's Name** : .....  
**Position** : .....  
**Address** : .....

**M'Ship No** : .....  
**NRIC** : .....  
**Email** : .....  
**Tel** : .....  
**Mobile** : .....  
**Fax** : .....

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)

Please bring along this flyer for confirmation of attendance  
(Photostat copies are acceptable)