



# IEM

The Institution of Engineers, Malaysia

Organised by:

Public Sector Engineers Special Interest Group (PSESIG)

## TECHNICAL VISIT ON GREEN BUILDING MENARA KERJA RAYA

JKR MALAYSIA HEADQUARTERS

Completed in 2015, Menara Kerja Raya is a 37-storey, government-owned office tower and **one of only two non-residential buildings in Malaysia to achieve Green Building Index (GBI) Platinum Final Certification**, making it a landmark project for **green building design and operation**.

Rising approximately 175 metres with over 53,000 m<sup>2</sup> of floor area, the building houses 1,600 personnel from the JKR Malaysia, including the offices of the Minister of Works.

The tower showcases an **integrated energy-efficient** building strategy, incorporating **triple-pane low-E glazing**, **high-efficiency lighting** at 8 W/m<sup>2</sup> with **automated daylight controls**, and an **optimised air-conditioning system** that reduces fan power by over 50% during part-load operation. These measures achieve a BEI of approximately 90 kWh/m<sup>2</sup>/year, about 60% lower than MS 1525 baseline buildings, delivering annual electricity savings of approximately RM2.5 million.

With **advanced daylighting**, **water reuse**, and **rainwater harvesting systems**, Menara Kerja Raya serves as a living case study for sustainable buildings, making it an ideal focus for this technical visit.



**Thursday,  
12 February 2026**



**Time  
08:00 am – 12:30 pm**



**Coach will be provided**

(Assemble at Wisma IEM, PJ by 8:00 am)

### Information to Note

- Interested participants are required to register and make payment online via [www.myiem.org.my](http://www.myiem.org.my).
- Please note that the commitment fee must be paid before the visit. After the closing date, seat allocation will be on a first-come, first-paid basis.
- Participants are reminded that IEM reserves the right to cancel registrations if payment is not received by the closing date.

BEM Approved CPD hours: 3  
Ref. No.: IEM25/HQ/615/V

### Who Should Join

- Engineers (Civil, Mechanical, Electrical, Environmental)
- Architects and green building practitioners
- Facility and building managers
- Government technical officers (ministries, local authorities)
- Energy managers and sustainability consultants
- University students and young professionals in engineering or architecture

### Why Should You Attend

- Gain first-hand exposure** to a GBI Platinum-certified building.
- Learn practical energy efficiency and sustainability strategies** used in a high-rise office tower.
- Understand how green building features perform** in real operation, not just in design.
- Enhance professional knowledge** through a guided technical walk-through.

**FEE FOR REGISTRATION**  
(INCLUSIVE 8% SST)

**IEM MEMBER : RM50**

**NON-IEM MEMBER : RM70**

"IEM reserve the right to alter or cancel the programme due to unforeseen circumstances at its discretion. For attending participants who choose to walk in without prior registration, IEM shall not be responsible for any direct or consequential losses"

### Time

### Tentative Program

8:00am	Registration of Participants at Wisma IEM
9:00am	Arrival at Menara Kerja Raya
9:15am	Welcome speech from Cawangan Dasar dan Pengurusan Korporat (CDPK) JKR Malaysia
9:30am	Technical briefing by the Building Management Division, CDPK <ul style="list-style-type: none"><li>Building Envelope &amp; Daylighting Systems</li><li>HVAC System Design &amp; Energy Optimisation</li><li>Electrical &amp; Energy Management Systems</li><li>Water Efficiency &amp; Sustainable Site Systems</li></ul>
11:00am	Guided Technical Walkabout <ul style="list-style-type: none"><li>Selected plant rooms (HVAC, electrical, control systems)</li><li>Façade and daylighting features</li><li>Water management facilities</li></ul>
12.30pm	End of visit