

Technical visit to KLIA2 District Cooling Plant (DCP)

(Organised by: Seniors Special Interest Group, IEM)

Date : **21 August 2024, Wednesday**
 Time : **9:30 am – 12:00 pm**
 Venue : **Jln Pekeliling, Kuala Lumpur International Airport, 43900 Sepang, Selangor**
 Transport: **Own transport**

SYNOPSIS

The KLIA2 fully-electric District Cooling Plant (DCP) plant by TNEC has an installed capacity of 18,000 Refrigeration Ton (RT). This plant has been operating since 2013.

DCP essentially achieves savings by using night off-peak electricity tariffs to store cooling energy into Thermal Energy Storage (TES) tanks and the cooling energy is released via circulating chilled water during peak hours onto the buildings during daytime periods. Effectively doubly gaining from cheaper off-peak tariffs, avoiding expensive peak rates while lowering the TNB Maximum Demand (MD) charges



In addition, TNEC has in 2021 modernised the former KLIA gas-powered DCP to fully electric, resulting in the reduction of operating costs by over RM50 million per annum.

PROGRAMME

Time	
9.30 am	Gathering and registration at KLIA2 District Cooling Plant (DCP)
9:45 am	<ul style="list-style-type: none"> Safety briefing by TNEC Welcome remarks
10:00 am	<ul style="list-style-type: none"> Facility & technical presentation Q & A Session
11:00 am	Visit to plant
12.00pm	Q & A Session, Photo Session and End of Session

BEM Approved CPD hours: 3
Ref No: IEM24/HQ/291/V

Commitment Fees

(inclusive GST)

(Non refundable & non transferable)

IEM Member : RM 30.00
Non Member : RM 50.00

- The visit is strictly limited to only **30 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 **14 August 2024** 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.

“IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion’.
For intending participants who choose to ‘walk in without prior registration’,
IEM SHALL NOT be responsible for any direct or consequential losses”.

Ir. Chow Sei Ying, Raymond

Chairman 2023/2024

Seniors Special Interest Group (SSIG)

REPLY SLIP

Chairman
Seniors Special Interest Group,
The Institution of Engineers, Malaysia
PO Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor

(Email: suriani@iem.org.my)

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I wish to participate in the above visit. I enclose herewith a cheque no. for the amount of RM as my commitment fee for the visit.

Name of Member : M' ship No.:

Address :
.....
.....
Grade :
Tel (Office):
Tel (Mobile) :

Company's Name : Email. :

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.

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)

- -Photocopies are acceptable - -