



In Collaboration With  
Building Services Technical Division (BSTD), IEM &  
Cummins Sales and Service Sdn Bhd



→ **Physical One Day Seminar on  
“Designing Resilient Data Centers:  
A Technical Guide to Backup  
Power & Global Standards”**

→ **DATE:**  
**04th June 2026  
(Thursday)**

→ **TIME:**  
**9:00AM  
-  
5:30PM**

→ **VENUE:**  
**WISMA IEM  
PETALING JAYA**

CPD HOURS : 6.0

CPD REF NO.: IEM26/HQ/187/C

**REGISTRATION FEES (subject to 8% SST)**

	<b>Online Fees (RM)</b>	<b>Normal Fees (RM)</b>
<b>IEM MEMBER</b>	100.00	100.00
<b>NON IEM MEMBER</b>	150.00	150.00

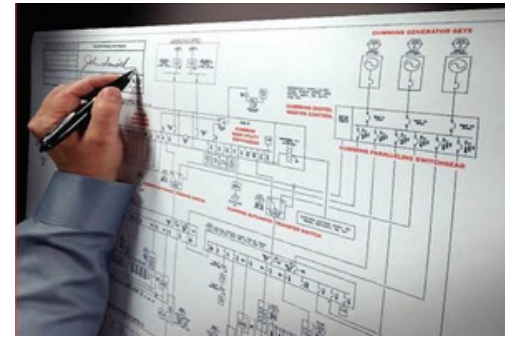
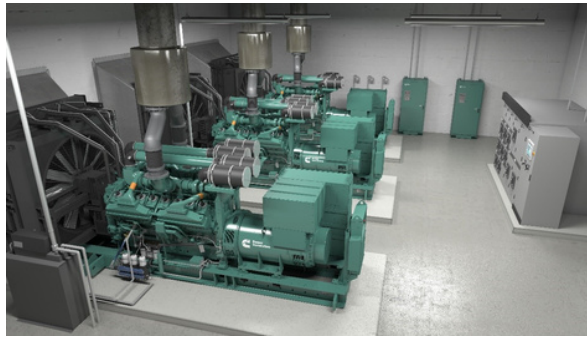
**Call Us For More Information:**

☎ Tel: 603-7890 0134

✉ E-mail: syafiq@iem.org.my

🌐 Website: www.myiem.org.my

# SYNOPSIS



Malaysia's data centre (DC) market has experienced rapid growth in recent years, driven by the influx of both international and regional players. As the number of data centres continues to rise, there is an increasing need for technical professionals to understand the critical infrastructure that supports these facilities.

This session aims to equip technical consultants with essential knowledge of emergency backup power generator systems for data centres, including key design considerations, operational requirements, and compliance standards. Participants will also gain insight into internationally recognised certifications and frameworks such as the Uptime Institute Tier Certification and TIA-942 Rev-C, enabling them to better navigate industry expectations and best practices.

## Key Topics Covered

- Industry overview of the data centre landscape in Malaysia
- Introduction to DC standards and requirements (e.g. Uptime Tier Certification vs TIA-942 Rev-C)
- Understanding ISO 8528-1 rating and its relevance compared to DC commissioning (DCC) practices
- Comparison between modular DC and paralleling DC design approaches
- Data centre load characteristics and testing requirements
- Green energy alternatives, including Battery Energy Storage Systems (BESS) and microgrid solutions

## SPEAKER'S PROFILE



Mr Lim Keow Teck, aka KT, is a Technical Sales Leader in Cummins Asia Pacific organization. His current role includes supporting Data Centre Projects in the Northeast/Southeast Asia region. KT is both an Uptime Institute Accredited Tier Designer and a certified TIA-942 DC Design Consultant.

KT has been with Cummins for 13 years, in which he had taken up both technical and commercial roles eg. Technical Trainer in-charge of Asia Pacific and Territory Manager for Thailand, Vietnam, and South Korea. He had worked with big corporations and consultants on distributed power generation, control systems and Demand Side Management.

He graduated from Nanyang Technological University of Singapore, specializing in Computer and Control Systems in the School of Electrical and Electronics Engineering. KT also has a Master of Business Administration from Victoria University, Australia.

### FOR FURTHER DETAILS, PLEASE CONTACT:

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Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan) 46720 Petaling Jaya, Selangor Darul Ehsan  
Tel: 603-7890 0134 E-mail: syafiq@iem.org.my Website: www.myiem.org.my

# COURSE PROGRAM

TIME	PROGRAMME
8.30 am - 9.00 am	Registration & Welcome Drink
9.00 am - 9.10 am	Introduction by Committee
9.10 am - 9.30 am	Introduction Industry Overview
9.30 am - 10.30 am	Introduction to DC standards and requirement eg Uptime Tier Certification vs TIA-942 Rev C Certification
10.30 am - 10.50 am	Morning Tea Break
10.50 am - 11.50 am	ISO 8528-1 Rating Requirement vs DCC Rating
11.50 am - 12.30 pm	Differences of DC Load and its testing requirement
12.30 pm - 2.00 pm	Lunch Break
2.00 pm - 3.00 pm	Differences of AI Load and its testing requirement
3.00 pm - 4.00 pm	Modular vs Paralleling DC Design
4.00 pm - 4.20 pm	Afternoon Tea Break
4.20 pm - 5.20 pm	DC Sustainability - BESS and Microgrid System
5.20 pm - 5.30 pm	Q&A End of Session

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# **REGISTRATION FORM**

Physical One Day Seminar on “Designing Resilient Data Centers: A Technical Guide to Backup Power & Global Standards”

04 June 2026 (Thursday) **Closing Date : 01 June 2026**

Email : syafiq@iem.org.my

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<b>NAME</b>	<b>MEMBERSHIP NO.</b>	<b>NRIC</b>	<b>FEES (RM)</b>
		Sub Total:	
		SST Added 8% :	
		Total Amount Payable :	

**Organisation :** .....  
**Contact Person :** .....  
**Position:** .....  
**Billing Address:** .....  
.....  
**Company Registration No :** ..... **Tax Identification (TIN no) :** .....  
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**Email Address:** .....  
**Date Submitted :** ..... **Handphone No:** .....

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