

# Half-Day Seminar

## Renewable Energy Integration for Industrial & Commercial Facilities

### Synopsis

This half-day seminar aims to provide engineers with a practical understanding of renewable energy and energy management solutions in the built environment.

The session will cover key topics including **solar photovoltaic (PV) systems**, **energy efficiency (EE)**, and **battery energy storage systems (BESS)**, alongside an overview of the **policy and regulatory framework in Malaysia** supporting energy transition. Participants will gain insights into system design considerations, implementation strategies, and real-world applications for commercial and industrial developments.

Through technical presentations and case studies, the workshop seeks to equip engineers—particularly those involved in **building design, electrical and mechanical systems, and construction**—with the knowledge required to support sustainable and energy-efficient project delivery.



**4 July 2026 (Sat)**



**8.30am – 1.00pm**



**IEM Penang Office**  
1-04-02 E-gate, Lebuhraya Tunku Kudin 2  
11700 Gelugor, Penang

**BEM CPD Hours: 4**  
Ref: IEM26/PG/166/S

**IEM Member : FOC**  
**Non-IEM Member: RM60**

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Time	Details
8.30am – 8.50am	Registration & Breakfast Networking
8.50am – 9.00am	Welcome Note by Solarvest
9.00am – 10.30am	Session 1 by Cheah Zhung Czet Solar PV Systems for Commercial & Industrial Buildings * Overview of Solar PV technology * Performance optimization
10.20am - 10.30am	Tea Break
10.30am - 11.30am	Session 2 by Duval Lee Battery Energy Storage Systems (BESS) in Energy Management * Fundamentals of BESS Technology * Applications for peak shaving and load management * Enhancing reliability and resilience of power systems
11.30am – 12.10pm	Session 3 by Yeap Chin Hoong Energy Efficiency Strategies for Modern Buildings * Practical EE measures for commercial and industrial facilities * Integration with RE Systems
12.10pm - 12.30pm	Case Study – RE Implementations
12.30pm - 1.00pm	Q&A Session & Closing Remarks

## About the Speakers



**Cheah Zhung Czet** is a strategic and results-driven Business Development Manager with 16 years of working experience, including over 8 years of specialized experience in the solar PV and renewable energy industry. Based in Penang, Malaysia, he focuses on driving large-scale revenue growth through strong technical and commercial expertise in the green energy sector. He has successfully secured over 50MWp in solar projects and contributed more than RM132 million in revenue for Solarvest Energy. He graduated in 2009 from Liverpool John Moores University.



With over four years of working experience, **Duval Lee** specializes in the technical architecture and project delivery of Battery Energy Storage Systems (BESS) and Solar PV installations. A 2021 graduate of Xiamen University Malaysia with a Bachelor of Engineering in New Energy Science and Engineering, he currently serves as a Senior Project Engineer at Solarvest, where he drives the engineering execution of grid-tied and hybrid projects. His core expertise lies in developing BESS control strategies and Energy Management System (EMS) logic, particularly for complex applications like peak shaving and Maximum Demand (MD) shaving performance guarantees. Having managed complete project lifecycles—from technical feasibility and system sizing to on-site troubleshooting and commissioning—he has successfully delivered BESS standalone and microgrid systems across Malaysia, the Middle East, and the US. He focuses on bridging advanced storage technologies with practical engineering standards to ensure system reliability, safety, and optimal grid integration.



**Yeap Chin Hoong** is the Managing Director of Solarvest EE Sdn Bhd, with 14 years of experience in the energy and sustainability sector. He has a strong track record in delivering large-scale projects and driving energy optimisation initiatives through both technical and strategic leadership.

He has successfully delivered a ~1,000,000 sqft campus-scale factory development, overseeing both design and execution. He also designed and implemented an RE100 roadmap for a listed company, supporting its transition towards 2030 compliance.

In addition, he developed an AI-driven energy simulation tool for Maximum Demand (MD) optimisation, integrated with Battery Energy Storage Systems (BESS) under the EETNT platform. Currently, he leads Solarvest EE as an ESCO, spearheading energy audits and identifying energy-saving opportunities for building optimisation.

He holds a Bachelor of Risk Management & Insurance from Universiti Utara Malaysia (UUM), graduating in 2012.