



# The Institution of Engineers, Malaysia

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## Technical Talk on “Sustainable Building – What can an Electrical Engineer do?”

(Organized by Electrical Engineering Technical Division IEM)

Date : 26<sup>th</sup> January 2019 (Saturday)  
Time : 9.00am – 11.00am (Refreshment will be served at 8.30am)  
Venue : Tan Sri Prof. Chin Fung Kee Auditorium, Third Floor, Wisma IEM, PJ  
Speaker : Ir. Chong Chew Fan

### SYNOPSIS

Buildings consume up to 40% of the total global energy. By the year 2030, the consumption is expected to increase to 50%. In Malaysia, buildings consume a total of 48% of the electricity generated in the country. Electricity generation will contribute to the carbon footprint of the country. As an Electrical Engineer, we play an important role to ensure that the building is ‘sustainable’ from the Design until the Operation and Maintenance (O&M) Stage.

In this talk, the speaker will share briefly with the audiences on the various approaches an Electrical Engineer can contribute to sustainable building during different life cycles of the building, i.e. Design, Construction and Operation and Maintenance. Different approaches can be taken during various stages by an Electrical Engineer to ensure that energy consumption and carbon footprint of the building is minimized. The speaker will also share some of the current challenges faced by the Electrical Engineers on the implementation of sustainable approaches.

### SPEAKER’S BIODATA

Ir. Chong Chew Fan is a Practicing Electrical Engineer attached to an M&E consulting firm with more than 15 years of experience. He graduated with a degree in Electrical and Electronic Engineering from Universiti Kebangsaan Malaysia (UKM) in 2002.

Ir. Chong is involved in design, contract administration, project management and consultancy works for Infrastructure and Building Works including green building and sustainable designs, township development, mixed development, office and commercial building, water and wastewater treatment plants, roads and railways projects. Ir. Chong is a strong supporter of green and sustainable initiatives and regular speaker and trainer for CIDB on green and sustainable.

Ir. Chong Chew Fan  
Chairman,  
Electrical Engineering, Technical Division

BEM Approved CPD/PDP Hours: 2  
Ref. No. : IEM19/HQ/006/T

### FEE ANNOUNCEMENT

(Effective: 1<sup>st</sup> October 2017)

#### Members:

- (i) Registration Fee: No Charge
- (ii) Administrative Fee:
  - (a) Online RM15
  - (b) Walk-In RM20

#### Non-Members:

- (i) Registration Fee: RM50
- (ii) Administrative Fee: RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- To secure your seat, kindly register online at [www.myiem.org.my](http://www.myiem.org.my)

#### Personal Data Protection Act:

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at [www.myiem.org.my](http://www.myiem.org.my) and I agree to IEM's use and processing of my personal data.

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