

Objective

This course is designed to provide the Graduate Engineers, Engineering Technologists and Inspectors of Works with necessary practical knowledge and information related to good engineering practice in site supervision using proper resources, procedures and reporting to meet the approved design and specification.

Target Audience

The course is opened to Graduate Engineers, Engineering Technologists and Inspectors of Works involved with electrical works at the construction site.

Language

English will be used for the course and course materials.

Registration Fee *(GST is zero-rated w.e.f. 1 June 2018)*

ACEM member firms & COWAM members	RM 450.00 per person
Others	RM 550.00 per person

Registration is on a first-come, first-served basis and will close upon reaching the maximum number. Registration fee must be submitted together with the registration form. Payment by crossed cheque is to be issued to **'The Association of Consulting Engineers Malaysia'**.

Fee will not be refunded for any cancellation. However, substitution of participants can be arranged by informing the ACEM secretariat one week before the course commences.

Completed registration forms should be returned to the ACEM secretariat by **17 August 2018** to the following address:

The Association of Consulting Engineers Malaysia
Suite 20-9, Level 20, Menara 1MK
No. 1, Jalan Kiara, Mont' Kiara
50480 Kuala Lumpur

For further enquiries, please contact the ACEM secretariat at tel. nos. 012-5290031, 012-5190031, 03-62110031 or e-mail sec@acem.com.my.

Continuing Professional Development

The course is eligible for 5 CPD hours for Inspector of Works and Professional Engineers registered with the Board of Engineers Malaysia.

Certificate of Attendance

Certificate of Attendance will be issued to participants, subject to full attendance.

Course Contents

Part 1 – General

- Relevant Act, By-Laws, Regulation, Codes and Standards
- Government Agency and Authorities

Part 2 – Electrical Distribution

- Medium Voltage (MV) Electrical Distribution
- Low Voltage (LV) Electrical Distribution
- Standby Generator Sets
- Lighting and Small Power Installation
- Lightning Protection System
- Earthing System

Part 3 – Extra Low Voltage & Building Security

- Telephone System
- Public Address (PA) System
- Satellite Master Television (SMATV)
- Closed Circuit Television (CCTV) System

Registration Form

(to be returned by 17 August 2018)

Site Supervision Course (Electrical module) Saturday, 25 August 2018 Hotel Armada Petaling Jaya

Name: _____

BEM PE No. *(if applicable)*: _____

Designation: _____

Organisation: _____

Address: _____

Telephone number: _____

E-mail: _____
(confirmation of registration will be sent via e-mail)

Contact person: _____

Registration Fee (per person)

ACEM member firm RM 450.00

COWAM member
(Membership no. _____) RM 450.00

Others RM 550.00

Enclosed is cheque no. _____ for
RM _____ being registration fee for the course.

Signature & Company Stamp

Date

Part 4 – Installation, Inspection & Tests

1. First Fix
 - Builder's Provision
 - Factory Acceptance Tests
 - Equipment & Materials Delivery & handling
 - Storage conditions
 - Cable ladders, tray, trunking & conduits works
 - Manholes & ducting
 - Visual Inspection
2. Second Fix
 - Cabling works
 - Equipment installation & termination
 - Visual Inspection
 - Cable Pressure, Insulation, Signal & Continuity Tests
3. Final Fix
 - Fittings & outlets
 - Fire seals
 - Painting, Labels & cleaning
 - Visual Inspection
 - Equipment Tests
 - System software tests
 - Pre-Commissioning Check

Part 5 – Testing & Commissioning

- Functional Test (Equipment/System and Component/Devices)
- Continuity Test
- Insulation Resistance Test
- Polarity Check
- Earth Electrode Resistance Test
- Earth Fault Loop Impedance Test
- Sound Pressure Level Measurement
- Signal Output Strength Check & Measurement
- Thermographic Test
- Illuminance Measurement
- Noise Level Check & Measurement

- Interfacing with Fire Alarm
- Interfacing with Lifts supervisory system

Programme

8.00 a.m.	Registration
8.30 a.m.	Electrical – Part 1 & 2
10.00 a.m.	Tea break
10.30 a.m.	Electrical – Part 3 & 4
12.30 p.m.	Lunch
1.30 p.m.	Electrical – Part 5
3.30 p.m.	Tea break
4.00 p.m.	Electrical – Part 5 (cont'd)
5.00 p.m.	End of Course

Course Lecturer's Biodata

Ir. Chong Chew Fan graduated with a degree in Electrical and Electronic Engineering from Universiti Kebangsaan Malaysia (UKM) and has been involved in electrical engineering over the past 15 years. He is a Professional Engineer with Practising Certificate registered with the Board of Engineers Malaysia and a Registered Electrical Energy Manager (REEM) with the Energy Commission of Malaysia.

He has vast experience in infrastructure and building works including green building and sustainable designs, housing development, mixed development, office and commercial buildings, water and wastewater, railways, highways and roads.

Ir. Chong is currently a Council Member of ACEM and an active member in various technical committees and working groups in ACEM, IEM, SIRIM, BEM and CIDB.

Site Supervision Course (Electrical module)

Saturday, 25 August 2018

Hotel Armada Petaling Jaya
Lot 6, Lorong Utara C, Section 52,
46200 Petaling Jaya

Organised by



The Association of Consulting Engineers Malaysia

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