

# Short Course on Efficient Energy Management in Commercial and Industrial Buildings

Suruhanjaya Tenaga  
CDP Credits: 8  
ST(IP/JOI/KPT)

Organized by:

29 — 30 November 2021  
Online via Webex



In collaboration with:



UTMSPACE is a Training Provider under HRDF (Reg. No. 0902)

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IEM CPD Hours  
**13**  
IEM 21/SB/365/C (w)

Industrial, commercial and domestic sectors use energy which involves energy cost. Energy cost can be significant and its utilization needs to be properly managed.

## Course Content

- ♦ Electricity tariff and load management
- ♦ Energy efficiency improvement of air-conditioning, boiler and steam systems
- ♦ Power factor correction
- ♦ Energy saving potential in electric motor, lighting system and transformer.
- ♦ Power quality concept and measurement
- ♦ Energy audit methodology

## Who Should Attend?

- ♦ Energy managers
- ♦ Facility or maintenance managers or engineers
- ♦ Industry personnel who wish to implement energy management

## How Will I Benefit?

- ♦ Gain professional recognition
- ♦ Preparation for organization in setting up energy management system
- ♦ Reduce organization's energy costs

**10 % discount for IEM Members**  
**Limited to 20 seats only**

## Registration

- ♦ Scan to register
- ♦ Click to register



<https://forms.gle/myEUcmNydiy3ewNY8>

## Fees

- ♦ Pay by credit card : **RM 900**  
<https://bit.ly/3pLYTpf>
- ♦ Pay by bank transfer / crossed cheque / bank draft :  
Account Name: UTMSPACE  
Account Number: 8601518228  
Bank Name: CIMB Islamic Bank Berhad  
Branch: UTM Johor Bahru

## Contact Details

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## Speaker



**Ir. Dr. Mohammad Yusri Hassan** is a professor in the School of Electrical Engineering, Universiti Teknologi Malaysia (UTM). He has more than 30 years of experience in teaching electrical power engineering courses.

He is a Certified Energy Manager registered with ASEAN Energy Management Scheme, Registered Electrical Energy Manager with Energy Commission Malaysia and Chartered Engineer registered with The Engineering Council United Kingdom.

He was involved in the "National Energy Conservation Study" under the Ministry of Energy Telecom and Post, Malaysia in 1993. He has served as an energy audit consultant on behalf of Institut Sultan Iskandar, UTM for the industries and commercial buildings. He is also a Working Group Member of Energy Efficiency of SIRIM and member of SIRIM Technical Committee on Energy Management.



**Ir. Dr. Hayati Abdullah** is an associate professor at the School of Mechanical Engineering, UTM. Ir. Dr. Hayati specializes in Thermodynamics, particularly in the area of Air-Conditioning. She was

trained in Energy Management in Sweden and is a Certified Energy Manager. Ir. Hayati is a Professional Engineer with Practicing Certificate registered with the Board of Engineers, Malaysia and a Chartered Engineer registered with The Engineering Council, United Kingdom. She has experience working as an energy management consultant for over 25 years and has worked in National Energy Conservation and Auditing projects including with international consultants such as ADEME from France.



**Ir. Md Shah Majid** is a retired associate professor from the School of Electrical Engineering, UTM with 30 years of experience in teaching electrical power engineering courses. He is a Professional Engineer registered with The Board of Engineers Malaysia. He served as an energy auditor

## Speaker



**Ts. Dr. Dalila Mat Said** is an associate professor at the School of Electrical Engineering, UTM. She has 15 years of experience in teaching electrical power engineering courses. She is a Certified Energy Manager

registered with the ASEAN Energy Management Scheme and a registered Professional Technologist under Malaysia Board of Technologist (MBOT). She has involved in power quality consultancy for over 10 years and served as an energy auditor for the commercial and industrial sectors.

## Program Schedule

Day	Time	Topic
1	9.00am	Refresher on Energy Manager's Roles
	10.00am	Break
	10.30am	Electricity Tariff and Electrical Load Management
	12.00pm	Energy Efficiency Improvement of Air-Conditioning System
	1.00pm	Break
	2.00pm	Energy Efficiency Improvement of Air-Conditioning System
	3.00pm	Performance and Energy Savings Opportunities for Boilers
	5.00pm	End of Day 1
2	9.00am	Power Factor Correction
	10.00am	Break
	10.30am	Energy Saving Potential in Electrical Equipment - Electric Motor
	12.00pm	Energy Saving Potential in Electrical Equipment - Transformer
	1.00pm	Break
	2.00pm	Energy Saving Potential in Electrical Equipment - Lighting System
	3.00pm	Power Quality Concept and Measurement
	4.00pm	Energy Audit Methodology and Practical Demonstration
	5.00pm	End of Day 2