

Organised by :

MAESCO

(Pertubuhan Syarikat Syarikat Perkhidmatan Tenaga Malaysia)
Malaysia Association of Energy Service Companies

With the Approval
of :



Who Should
Attend ?

- Management /Technical Personnel's of facilities effected by the regulation.
- Engineers and Architects who wish to expand their professional horizon to register themselves as Electrical Energy Managers with ST.
- Key personnel's from Facilities Management Companies who wish to enhanced their personnel Capacity Building in Energy Management.
- Institutional Organisations that has the intention to broader its capacity to include Energy Management.

* For participants wishing to be registered with Suruhanjaya Tenaga (ST) as Electrical Energy Manager, the minimum qualification are follow

A Malaysian citizen aged 23 years and above **Who** ;

1. Holds a certificate of registration as a Professional Engineer under the Registration of Engineers Act 1967 [Act 138] and possess at least six months working experience in the efficient management of electrical energy at an installation; **or**
2. Holds a degree in Science, Engineering, Architecture or its equivalent and possess at least one year working experience in the efficient management of electrical energy at an installation; **or**
3. Holds a Certificate of Competency issued by the Commission as an Electrical Services Engineer or a competent Electrical Engineer and possess at least nine months working experience in the efficient management of electrical energy in installation;

Energy Manager Training Course (EMTC)

Upcoming Training

Date: 24 ~ 28 September 2012 (5 Days)

Time: 9:00 am ~ 5:00 pm

Venue: Shah's Village Hotel, Petaling Jaya

Kindly refer to page 3 for the 2012 training calendar

HRDF Claimable

CPD hours from ST



Meeting the Demands for Energy Managers

MAESCO, the abbreviation for ` **M**alaysian **A**ssociation of **E**nergy **S**ervice **C**ompanies ` established in 2000 with the Register of Societies. Amongst its constitutional objective is to collaborate with the Government of Malaysia and its agencies towards the promotional of Energy Efficiency practices and development of Energy Service Companies (ESCOs) as a recognised business model.

With the international declaration of Malaysia's commitment to reduce GHG emission intensity to 40% by 2020 as compared to 2005 levels, and with the enforcement of the new Efficient Use of Electrical Energy Regulation in December 2008, the nation must develop the awareness and local expertise towards making this targets a reality.

With this background MAESCO with the collaboration of Suruhanjaya Tenaga (ST) has commenced a nationwide Energy Manager training session to meet the acute shortage of Energy Managers in the country through a course that is outlined and approved by Suruhanjaya Tenaga . Four 5 days courses were successfully conducted in 2010 and at least another 4 courses will be conducted in 2011.

Upon completion of the course which is jointly conducted by established energy managers from MAESCO and ST as the regulators themselves, participants will benefit from the full appreciation of the regulation itself and develop the management skills required of an Energy Manager towards facilitating the green aspiration of our nation.

Our Expert Trainers

Ir. Dr. K.S Kannan (ISI Venture Sdn Bhd)

Ph.D Engineering (UM), M.Sc. Technology (UK), B.Eng. Mechanical (UM)

Dr. Ir. K.S Kannan was professor at the Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM). He is now with the Institute Sultan Iskandar, UTM as Head of the Centre of Energy Studies. He is a professional engineer registered with the Board of Engineers, Malaysia and a Chartered Engineer registered with the Engineering Council U.K. He is currently a local Energy Consultant and has more than 30 years experience in energy research an consultancy and 32 years professional experience in academics . His expertise is in energy efficiency practices and technologies in buildings and industry.

Dr. Hassan Bathish (Sustainable Engineering Sdn Bhd)

Ph.D. Engineering, MBA (Tech), MIE (Aust) & MRS (Aust)

Dr. Hassan is currently the Manager of Sustainable Energy with SMEC Australia Pty Ltd. He is a Chartered Professional Engineer (Australia), a Certified Measurement and Verification Professional by EVO (USA), Australian Building Greenhouse Rating Assessor (NABERS) and Energy Auditor (AIRAH). Dr. Hassan is also a member of MIEAust, ASHRAE, AIRAH, CIBSE and AEE. Dr. Hassan has more than 35 years of professional experience of which more than 18 years is related to Energy Efficiency, Renewable Energy and Smart Grid covering investigations, design, retrofit and training practiced in Australia, Malaysia and number of other countries.

Special Invitation

Ir. Francis Xavier Jacob (Suruhanjaya Tenaga)

Ir. Francis is the advisor of Energy Management in the Energy Commission (ST), Malaysia. He has been with the Commission and the then Department of Electricity and Gas Supply since 1991. He is the Chairman of the Technical Committee on the Standards for Energy Management and also sits in various standards working committees. Ir. Francis graduated in 1977 with a Bachelors of Engineering degree from the University of Malaya and also holds a Masters degree in Environment. He is a Professional Engineer and is a member of the Institute of Engineers Malaysia.

En. Zaini Abdul Wahab (Vesta Energy Sdn Bhd)

He started his career in 1997 and worked as energy efficiency consultants and integrated facility services providers in local and multinational companies to service the industrial and commercial clients. He joined Energy Commission (ST) in 2004 and was promoted to head the Demand Side Management Unit to spearhead the promotional activities and regulatory duties in energy efficiency in Malaysia from the head office in Putrajaya.

En. Mohd Iskandar Majidi (Climate Plus Sdn Bhd)

He is a principle consultant and director of Climate Plus Sdn Bhd with extensive experience in renewable energy and energy efficiency fields. He is a registered energy manager with ST and has been providing consulting services on energy management and energy audit over the last 13 years with main focus on energy sustainability and carbon footprint reduction. He is experience in carbon credit documentation and origination under CDM. He is one of the panel of Technical Experts engaged by GreenTech Malaysia. He is a graduate in Marine Engineering from Newcastle University, England.

En. Dharamarajah (E-EYE Sdn Bhd)

Specialize in commercial / industrial facility system energy efficient retrofit and experience in conduction measurement studies, energy audits and feasibility studies. Wide knowledge in installation and design of energy management (instrumentation) control systems for HVAC and Compressor Systems. He was the invited Speaker on Energy for MAESCO & Energy Commission. He is also a registered Electrical Energy Manager.

Ir. Kumarason Kandiah (Asia Carbon Capital Sdn Bhd)

Ir. Kumarason Kandiah has 10 years working experience in Energy Efficient Design and State of the Art Control Systems. He has wide experience in conducting professional energy audit, energy retrofit, design concepts that details potential saving with performance & feasibility studies. He was a Technical Expert for Pusat Tenaga Malaysia (PTM) and involved in the Industrial Energy Audit guidelines for Malaysia which was published in 2008.

Dr. Dixon Chai (Vesta Energy Sdn Bhd)

Dr Dixon is the CEO of Vesta Group of Companies , a company that is involve in development of total energy conservation called computer aided energy resource management solution and conducts EPC internationally. He is also a committee member of MAESCO , holding the Green Technologies portfolio.

Training Schedule

Day 1 : 9 AM ~ 5 PM

- 1) Energy Management
 - Energy sources and conversion
 - Understanding energy costs
 - Elements of Energy Management
 - Energy Management Standard
- 2) Green Technology

Day 2 : 9 AM ~ 5 PM

- 1) ACMV Systems
 - Chillers
 - Pumps
 - Cooling Towers
 - Air Handling Units
 - Fans and Ducting
- 2) Energy Scenario
- 3) Energy policies and Legislation

Day 3 : 9 AM ~ 5 PM

- 1) Energy Performance Monitoring
- 2) Energy Performance Targeting
- 3) Efficient Electrical Management
- 4) Energy Audit

Day 4 : 9 AM ~ 5 PM

- 1) Financial Analysis
- 2) Energy Efficient Equipment
 - Motors
 - Boilers
 - Air Compressors
- 3) Efficient Lighting

Day 5 : 9 AM ~ 5 PM

- 1) MS 1525 Standard
- 2) District Cooling with Thermal Storage
- 3) Energy Performance Contracting (EPC) concept & Green Technology

* MAESCO reserves the right to change or vary the course contents from time to time in accordance to the guidelines of Suruhanjaya Tenaga.

* Course Outline Approved by Suruhanjaya Tenaga

Energy Manager Training Course (EMTC)

Fees :

- RM 3,500.00 / person (Non members)
- RM 3,000.00 / person (Maesco members)
- inclusive of course materials , refreshment and lunch.



9, Jalan SS7/10, 47301, Kelana Jaya. Petaling Jaya, Selangor Darul Ehsan
Tel : 03-78730784/6 Fax : 03-78730769 Email : training@maesco.org.my

REGISTRATION FORM

To Register :

Please complete this registration form and Email or Fax to:

Malaysia Association of Energy Service Companies (MAESCO)

9, Jalan SS7/10, 47301, Kelana Jaya, Petaling Jaya , Selangor Darul Ehsan

Contact Person: Anuar/Afiza
Phone: 03-78730784/5/6
Fax: 03-78730769
H/P: 017-5002161
Email: training@maesco.org.my

We
(name of company) wish to register our following representatives for the *Energy Manager Training Course* on (date)

Name of Participants	Email	Contact No.
i.		
ii.		
iii.		

We enclose herewith bank-in slip for sum of RM made payable to "MAESCO" remitted into MAESCO's CIMB account no. 1420-0007230-05-7 on (date remitted)

Thank you,

Need More Info ?

For more information on the training course please contact us @ visit our website at www.maesco.org.my

Name :
Company:
Telephone:
E-mail :

Training Calendar 2012

Training	Date	Venue
1	19 ~ 23 March 2012	Eastin Hotel, Penang
2	18 ~ 22 June 2012	Shah's Village Hotel, Petaling Jaya
3	24 ~ 28 September 2012	Shah's Village Hotel, Petaling Jaya
4	17 ~ 21 December 2012	Klang Valley