ORGANIZED BY

MAESCO

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

CERTIFIED ENERGY AUDITOR (CEA)

PKNS BIZPOINT
SEKSYEN 7 SHAH ALAM

RM 5000 (PUBLIC)
RM 4500 (MEMBERS)

***EXCLUDING 8% SST**

WWW.MAESCO.ORG.MY

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OVERVIEW

Join the forefront of energy efficiency with MAESCO's pioneering certification for energy auditors. Elevate the standard of energy services and become the go-to professional for top-tier energy audits and stand out in a competitive field! Our certification aligns with EECA ACT, ensuring you're recognized by government agencies and leading enterprises.

WHO SHOULD ATTEND?

This course is ideal for management and technical staff in facilities adhering to ST regulations, professionals aiming to become ST-certified Electrical Energy Managers, and technical personnel from industrial or commercial sectors seeking to enhance their energy management knowledge.

COURSE OUTLINE

- Energy Auditing
- Understanding Energy Bills
- Energy Analysis
- EA Report & Presentation
- Economic Analysis
- Building Envelope
- Lighting
- ACMV
- Motors & Drives
- Compressed Air System
- Heat Exchangers & Recovery Systems
- Furnaces, Kilns & Dryers
- Cogeneration
- Boiler, Steam & Condensate Recovery Systems
- Alternative Energy

EXPECTED LEARNING OBJECTIVES

- **Assess an organization's energy consumption in compliance with international standards.**
- **Analyze energy data to identify trends and issues.**
- **Identify key areas of significant energy usage within the organization.**
- **Utilize benchmarking principles effectively.**
- **Identify major opportunities for energy efficiency improvements.**
- **Apply financial principles to energy management projects, including life cycle cost and investment analysis.**
- **Lead energy auditing projects.**

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TRAINING SCHEDULE (2026)

SESSION 9	**6 - 10 APRIL**
SESSION 10	**3 - 7 AUGUST**
SESSION 11	**5 - 9 OCTOBER**

REGISTRATION REQUIREMENTS

1. Engineering or architectural degree, or a registered Professional Engineer (P.E.) or Registered Architect (R.A.) with at least 3 years' verifiable experience in energy auditing, facility management, or experience related to energy management.

OR

2. Non-engineering degree with at least 4 years' verifiable experience in energy auditing, facility management or experience related to energy management.

OR

3. Diploma holder in any technical field, with at least 6 years' verifiable experience in energy auditing, facility management or energy management.

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TRAINER PROFILE

PROF. EMERITUS IR. DR. KS KANNAN

Dr. KS Kannan was professor at the Faculty of Mechanical Engineering, Universiti Teknologi Malaysia (UTM) and is currently the National Project Manager for the UNIDO-GEF project 'Industrial EE for Malaysian Manufacturing sector'. Kannan graduated with a B.Eng. in mechanical engineering from Universiti Malaya, M.Sc. (Technology) from University of Manchester and Ph.D. from Universiti Malaya. He is a professional engineer registered with BEM, Fellow of IEM, Fellow IMechE and Fellow ASHRAE and a registered Electrical Energy Manager. He has more than 30 years of experience in the field of energy, being involved in national/international energy projects and consultation.

DR. DHARAMARAJAH VTR

Dr. Dharamarajah is a registered Electrical Energy Manager. He specializes in commercial/industrial facility system energy efficient retrofit and experience in conducting measurement studies, energy audits and feasibility studies. He has wide knowledge in installation and design of energy management (instrumentation) control systems for ACMV and compressor systems. Dharmarajah is a graduate in B. Eng. (Hons) in Mechanical Engineering with Energy Management from City University London U.K.

EN. MOHAMMAD ISKANDAR MAJIDI

Mohammad Iskandar Bin Majidi is a Malaysian national, born in 1962 in Sarawak. He holds a Bachelor of Engineering in Marine Engineering from the University of Newcastle-Upon-Tyne, England, and is fluent in Bahasa Malaysia and English. His career includes roles as Director at Biopower Climate Care Sdn Bhd, focusing on renewable energy projects, and Principal Consultant/Director at Climate Plus Sdn Bhd, providing advisory services in carbon management, energy efficiency, and renewable energy. He has held various positions in energy consulting and project management, with a strong focus on renewable energyand energyefficiency initiatives.

IR. KUMARASON KANDIAH

Ir. Kumarason is a graduate in B.Eng. mechanical engineering from Universiti Teknologi Malaysia (UTM) and also holds a Master's degree from the same university. He is a registered professional engineer with BEM, registered Electrical Energy Manager with ST and certified Energy Management Expert (UNIDO). He has more than 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 concept that details potential savings with performance & feasibility studies particularly in ACMV systems.