



DATE PREPARED: 4th OCTOBER 2024

DELIVERY MODE	PHYSICAL CLASS
TOPIC	ENERGY EFFICIENCY IN MALAYSIA
DATE	4 th -5 th DECEMBER 2024
TIME	9AM – 5PM
SPEAKER(S)	HJ ZAINI BIN ABDUL WAHAB
PIC TO CONTACT	+6012 697 6429 (Ms. Aliya)

COURSE DESCRIPTION:

As the world increasingly prioritizes sustainable practices, Malaysia stands at a pivotal juncture in its journey toward achieving net zero emissions. This course, "Energy Efficiency in Malaysia: Global Commitment and National Initiatives," delves into the critical role of energy efficiency in meeting national and international climate targets. With a focus on legal frameworks, national policies, and market demands, participants will explore the responsibilities of energy managers in navigating this evolving landscape.

In the face of pressing environmental challenges, Malaysia has made significant commitments to reduce its carbon footprint. This course will highlight the global initiatives that shape Malaysia's energy policies and the country's specific strategies aimed at enhancing energy efficiency across various sectors.

Participants will gain insight into the legal requirements governing energy efficiency in Malaysia, understanding how these regulations are designed to promote sustainable energy practices. Additionally, we will discuss the essential duties of energy managers in ensuring compliance with these legal standards while also responding to market expectations.

LEARNING OUTCOME: -

- Identify the different types of energy and their environmental impacts, especially in the Malaysian context.
- Describe Malaysia's energy policies, regulatory framework, and incentives related to energy efficiency.
- Analyse the role of government agencies such as the Malaysian Green Technology and Climate Change Corporation (MGTC) and Energy Commission in promoting energy efficiency.
- Demonstrate knowledge of energy auditing procedures and standards, including understanding audit types, scope, and goals.
- Conduct a basic energy audit to identify energy-saving opportunities within a facility or system.
- Calculate cost savings from energy efficiency improvements using payback period, return on investment (ROI), and life-cycle costing.

COURSE SCHEDULE

DAY 1: 4th DECEMBER 2024

TIME	ACTIVITIES
08.45am	Registration
08.45am – 09.00am	Opening and introduction
09.15am – 10.30am	1. Global warming, energy and GHG emissions trends 2. Policies and energy efficiency programs towards achieving net zero target in Malaysia
10.30am – 10.45am	Morning break
10.45am – 12.30pm	3. Successful energy efficiency programs 4. Energy Efficiency and Conservation Act and provisions related to energy managers and energy management activities
12.30pm – 02.00pm	Lunch break
02.00pm – 03.30pm	5. Overview of EMEER 2008 and the application to become a Registered Electrical Energy Manager
03.30pm – 03.45pm	Tea break
03.45pm – 05.00pm	6. Duties as an energy manager
05.15pm	Q&A, session end

DAY 2: 5th DECEMBER 2024

TIME	ACTIVITIES
09.00am – 09.30am	1. Introduction of Energy Management
09.30am – 10.30am	2. Success stories in ISO50001 Adoption 3. Success Stories in ISO 50001: Energy Management System Adoption
10.30am – 10.45am	Morning break
10.45am – 12.30pm	4. Understanding of ISO 50001:2018 - Energy Management System
12.30pm – 02.00pm	Lunch break
02.00pm – 03.30pm	5. Leadership & Commitment 6. Energy Performance Indicators (EnPIs)
03.30pm – 03.45pm	Tea break
03.45pm – 05.00pm	7. Operational Planning & Control 8. Internal Audit
05.15pm	Q&A, session end

**Above schedule subject to change*

POSTER OF PROGRAM

CPD/CCD POINTS:

All CPD/CCD are applied. Subject to Approval



ORGANIZED BY:



COLLABORATION PARTNER:



ENERGY EFFICIENCY IN MALAYSIA

4-5 Dec 2024 | Shah Alam, Selangor | RM 888/pax

This course examines the critical intersection of global warming, energy consumption, and greenhouse gas (GHG) emissions trends, with a focus on Malaysia's path toward achieving net-zero targets. Participants will explore national policies and energy efficiency programs designed to reduce emissions and enhance sustainability. This course also covers the Energy Performance Contracting (EPC) processes, detailing the steps involved and the roles of various stakeholders.



Hj. Zaini bin Abdul Wahab

Day 1: 4th December 2024

- Global warming, energy and GHG emissions trends
- Policies and energy efficiency programs towards achieving net zero target in Malaysia
- Successful energy efficiency programs
- Energy efficiency and Conservation ACT (EECA) provisions related to energy managers activities
- Introduction to energy audit concept and process.

Day 2: 5th December 2024

- Introduction to Energy Management System Development & Implementation based on ISO 50001:2018 for organizations - step by step process with examples from certified facilities and success stories
- Introduction to Energy Performance Contracting for Energy Efficiency Projects- development & implementation process with success stories



Any inquiries please contact us at:
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(Ms. Aliya Azrina)



Please log on to our website to register:
<https://www.megajatiacademy.com/suruhanjaya-tenaga>



SPEAKER DETAILS:



Hj. Zaini Abdul Wahab started his career in 1997 and worked as energy efficiency for local and multinational companies assigned to secure and deliver services to industrial and commercial clients. Joined Energy Commission of Malaysia in 2004 and then promoted to head the Demand Side Management to regulate, develop and promote energy efficiency industry in Malaysia from the head office. Appointed to Head the special Project Unit to implement energy efficiency initiatives under the Economic Transformation Program (ETP) at the Ministry of Energy, Green Technology and Water from January until August 2011 and later became the Director of Energy Efficiency at SEDA Malaysia to lead national energy efficiency initiatives under ETP and extensively involved in the strategic national policy and legislation development for energy efficiency and conservation with the ministry as the key technical resource person. Now he is the Director of Operation at Vesta Enertech Sdn Bhd under Vesta Group of Companies, a company specializing in investments, consultancy and advisory for energy conservation and renewable energy projects implementation.

MAJOR AREAS OF EXPERTISE AND EXPERIENCES

- Energy Efficiency and Conservation Regulatory Framework and Policy Development
- Sustainable Energy Management System development, planning, implementation and monitoring;
- Planning, development and conducting programs as a speaker/trainer/facilitator for capacity building such as Energy Management Training Courses, Seminars for Energy Services Companies (ESCO), industrial and professional associations, Government Agencies and commercial and industrial facilities
- Energy auditing, measurement, monitoring of energy performance and utility cost analysis for industrial and commercial buildings;
- Development of energy efficiency standards, rating system and labelling; and
- Technical evaluation and implementation of energy conservation projects