



Webinar Talk on **MANAGING ENERGY** From Physics to Life – Application and Mastery

Date : 3 November 2026
Time : 3.00pm - 5.00pm
Platform : Zoom Platform
Speaker : Ir. Al-Khairi Mohd Daud

BEM Approved CPD Hours: 2

Ref. No.: IEM26/HQ/499/T(w)

Registration Fees:

- Student Member : FOC
- IEM Member : RM 15.00
- Non-Member : RM 70.00

SYNOPSIS

Energy management begins with a simple engineering question: **Where does the energy go?**

Drawing from the fundamentals of energy, work, efficiency and energy loss, this talk explores how engineers and energy managers analyse systems, identify losses and improve performance—and asks whether the same disciplined thinking can be applied to our own lives.

The session explores **Energy Transformation, Entropy (The Silent Drain), Inertia, Action-Reaction and Invisible Fields** as practical lenses for understanding how our energy is directed, consumed, lost and transformed in everyday life.

What will you take away?

Participants will gain a practical foundation for thinking about energy management beyond machines and facilities—from **identifying energy losses and inefficiencies to directing energy towards useful and meaningful outcomes**. The session introduces a pathway from understanding energy to developing the awareness, discipline and practices that can lead towards **greater personal effectiveness, efficiency and ultimately mastery**.

As a **Registered Energy Manager (REM T2), Professional Energy Manager (PEM) and a trainer with IEMTA Energy Managers Courses**, Ir. Al-Khairi brings practical experience in energy management and engineering systems to explore a question that extends beyond the conventional boundaries of the profession:

“If we know how to manage energy in systems, can we learn to manage where our own energy goes?”

This session provides the **foundation. Mastery begins with application.**

MANAGE WHERE YOUR ENERGY GOES.

Make it useful. Make it purposeful. Make it a practice.

And notice the silent drain.

Speaker: Ir. Al-Khairi Mohd Daud



Ir. Al-Khairi Mohd Daud is a consultant engineer specializing in energy efficiency management, asset and facilities management and mechanical engineering. He has worked in cement plant, liquefied natural gas (LNG) plant, oleo chemical and petrochemical plant and later in high end R&D/ manufacturing/healthcare facilities before he started his consultancy services.

Ir Al-Khairi graduated in Mechanical Engineering from University of Leeds, UK and MBA from UNITAR. He is now pursuing his PhD in fungal contamination in tertiary hospitals facilities.

Professionally Ir. Al-Khairi has the following qualifications: -

- Member of IEM.
- Professional Engineer with Practicing Certificate with **Board of Engineering Malaysia**.
- Medical Device Technical Expert – Medical Gas System for **Medical Device Authority (MDA)**.
- **Conformity Assessment Body (CAB) Technical person** proficient with **MDA** requirements.
- Life Member and Surveyor for **Malaysian Society for Quality in Healthcare**
- **Registered Energy Manager (REM) Type 2 with Energy Commission.**
- **Registered Electrical Energy Manager (EREEM) with Energy Commission of Sabah**
- **Professional Energy Manager, Chief Assessor for Energy Management Gold Standard and trainer for Energy Management Training Course with Malaysia Green Technology and Climate Change Corporation (MGTC)**
- **Energy Managers Training Course trainer and examiner for the Institution of Engineers Malaysia (IEM).**
- **He was the country expert for ASEAN Energy Management Accreditation Scheme when it was first introduced.**
- Certified Playground Safety Inspector for **Playground Safety Association Malaysia**

Ir. Al-Khairi has passion in efficiency where he was involved in the audit and improvement for data center development for MAHB and Rated 3 data centre for UTM. He has been auditing, training and consulting energy management for many industries such as hospital, healthcare industries, manufacturing, food and chemical industries.

In IEM, Ir Al-Khairi is currently **the chairman** for **Building Services Technical Division** and a member of **Oil, Gas and Mining Technical Division, PI Board** and **Engineering Competency Development (ECD)** committee.

Ir. Al-Khairi regularly conducts trainings, workshop and seminars especially on healthcare industries and energy efficiency management