

Technical Talk on The Secrets of Successful Energy Management Program

(Organised by Oil, Gas & Mining Technical Division, IEM)

BEM Approved CPD/PDP: 2 Hours

Ref No: IEM20/HQ/010/T

Date : 22nd February 2020 (Saturday)
Time : 9.00 am to 11.00 am (Refreshments will be served at 8.00 am)
Venue : TUS and C&S Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Al-Khairi Bin Mohd Daud

SYNOPSIS

Malaysian appetite for energy consumption increases every year. In 1996, the total energy used was around 20,000 ktoe. 20 years later, in 2016, the figure had risen to more than 57,000 ktoe. (Source : Malaysia Energy Statistic 2018). On average the growth of energy consumption is in line with the country GDP growth of 5.7%. In 2017, 40% of electricity generation comes from petroleum based with another 42.5% comes from coal. Oil prices on the other hand were as low as USD40/barrel in 2016 but has recorded as high as US109/barrel in 2012. Balancing the cost of generating electricity and transferring the cost to consumer is not easy. The government has various issues to consider before increasing the electricity tariff. According to The Ministry of Energy, Green Technology and Water (KeTTHA) in February 2018, Malaysia was the fourth lowest domestic electricity tariff in the world after Sweden, China and Taiwan.

Rather than just floating the energy price according to the fuel cost, the consumers have to be educated to change the way they consume energy. Government agency such as Malaysia Green Technology Corporation has trained more than 1500 energy managers to support the requirements of Registered Electrical Energy Manager (REEM) under Efficient Management of Electrical Energy Regulation 2008 since 2010. The REEM has the duty to report to Energy Commission on the energy management program under their care every six month. Many installations just do the regulatory compliance requirements. However, some institutions have adopted the Energy Management Gold Standard (EMGS) as the management tools to embed energy efficiency culture in the organization.

In 2019, EMGS program has shown RM41.8 energy cost savings for the year 2019. Two institutions have shown that energy management is just not about saving energy but also about instilling efficiency culture to their staff. IJN and Hospital Wanita dan Kanak-Kanak Likas were awarded the prestigious 3 Star EMGS certificates that showed that they have embedded the energy efficiency in the organization culture and showed continuous improvement in terms of energy efficiency performance for the past six years.

The speaker is a Professional Energy Manager and the Chief Assessor for the EMGS certification. He shall share the experience in developing a successful sustainable energy management program, the challenges in implementation of the program and the need to continuously develop the skilled and mindset to ensure that the efficiency culture is part of organization core structures. Energy professionals can share their experiences during the session.

ANNOUNCEMENT TO NOTE FEES

(Effective 1st October 2017)

Members

Registration Fee : No Charge

Administrative Fee :

Online : RM15

Walk In : RM20

Non-Members

Registration Fee : RM50

Administrative Fee : RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- To secure your seat, kindly register online at www.myiem.org.my

PERSONAL DATA PROTECTION ACT

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at www.myiem.org.my and I agree to IEM's use and processing of my personal data

"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion".

For intending participants who choose to 'walk in without prior registration',

IEM SHALL NOT be responsible for any direct or consequential losses".

BIODATA OF SPEAKER



Ir. Al-Khairi Mohd Daud is a consultant engineer specializing in energy efficiency management, asset and facilities management and mechanical engineering.

Ir Al-Khairi graduated nearly 30 years ago in Mechanical Engineering from University of Leeds, UK. Afterwards, Ir Al-Khairi worked in R&D Facilities, heavy industries, liquefied natural gas plant, oleo chemical and petrochemical plant and research/ manufacturing/healthcare facilities.

In IEM, Ir Al-Khairi served in Oil, Gas and Mining Technical Division and Building Services Technical Division. He is a Professional Energy Manager, Registered Electrical Energy Manager, Chief Assessor for Energy Management Gold Standard with Malaysia Green Technology Corporation and a surveyor for Malaysian Society for Quality in Healthcare. Ir Al-Khairi conducted regular trainings, workshop and seminars especially on healthcare industries and energy efficiency management

Ir. Roznan Abdul Rashid

Chairman

Oil, Gas & Mining Technical Division, IEM