The Institution of Engineers, Malaysia

ORGANISED BY:
ENVIRONMENTAL ENGINEERINGTECHNICAL DIVISION

Virtual One Day Course on

"Planning and Execute Industrial Energy Audit Project and Managing Low Carbon Program Under Energy Efficiency in ESG and SDG Sector"

SPEAKER

Ir. Noor Iziddin Abdullah Haji Ghazali

Date : 12 Oct 2026 (Monday)
Time : 09.00 am - 05.30 pm
Platform : Zoom

CPD HOURS : 7.0 CPD REF NO.: IEM26/HQ/046/C (w)

REGISTRATION FEE'S (subject to 8% SST)		
	ONLINE FEE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	**NORMAL FEE** (By Email :Quotation & Invoice) syafiq@iem.org.my
IEM Student Members	**75.00**	**90.00**
IEM Graduate Members	**125.00**	**150.00**
IEM Corporate Members	**200.00**	**225.00**
Non-IEM Members (Non of the Above	**480.00**	**540.00**

Session 1 : Planning and Execute Industrial Energy Audit Project

Synopsis

Increasingly in the last several decades, industrial energy audits have exploded as the demand to lower increasingly expensive energy costs and move towards a sustainable future have made energy audits greatly important. Their importance is magnified since energy spending is a major expense to industrial companies (energy spending accounts for around 10% of the average manufacturer's expenses). This growing trend should only continue as energy costs continue to rise. While the overall concept is like a home or residential energy audit, industrial energy audits require a different skillset. Weatherproofing and insulating a house are the focus of residential energy audits. For industrial applications, it is the HVAC, lighting, and production equipment that use the most energy, and hence are the primary focus of energy audits.

PROGRAMME

TIME	DESCRIPTION
9.00 am to 10.00 am	Introduction to Industrial Energy Audits
10.00 am - 11.00 am	Solar PV financial modelling
11.00am - 11.15 am	Break
11.15am - 12.15 pm	Energy Audit Methodologies and Tools
12.15 pm - 12.45 pm	Case Studies & Best Practices in Industrial Settings
12.45 pm - 1.00 pm	Q&A
1.00 pm - 2.00 pm	Lunch Break

Session 2 : Managing Low Carbon Program Under Energy Efficiency in ESG and SDG Sector”

SYNOPSIS

Up to 80 per cent of our time is spent in buildings i.e. either in the office or at home. Energy used in buildings (residential and commercial) accounts for a significant percentage of a country’s total energy consumption. This percentage depends greatly on the degree of electrification, the level of urbanization, the amount of building area per capita, the prevailing climate, as well as national and local policies to promote efficiency.

Investments in energy efficiency in a building can be compared with the cost of capital investments necessary on the supply side of the energy system to produce a similar amount of peak capacity or annual energy production. Usually, the capital costs of efficiency are lower than comparable investments in increased supply and there are no additional operating costs of efficiency compared to substantial operating costs for supply-side options. In addition, energy efficiency investments generally have much shorter lead times than energy supply investments, a particularly important consideration in countries where the demand for energy services is growing rapidly. By setting energy efficiency targets
for buildings, governments and industries share the burden and cost of ensuring the security of energy supply with end-users.

In more developing and industrialized countries, policy, incentives, climate change targets and corporate image drive more efficient approaches to energy use in buildings. Codes and practice on energy regulations for buildings in developed countries include obligations for energy audits, requirements for building certification with ratings based on energy efficiency, carbon reduction targets for buildings, levies on energy consumption—charged per unit consumed to discourage high consumption, incentives such as exemption from building tax for good energy efficiency ratings, access to interest-free/low-interest loans and grants for undertaking energy efficiency measures in buildings and, as part of their corporate social responsibility, some companies would like to be seen as a green company that promotes energy efficiency.

PROGRAMME

TIME	DESCRIPTION
2.00 pm - 3.00 pm	Overview Energy Efficiency For Buildings & Electricity Supply And Distribution System
3.00 pm - 4.00 pm	Energy Saving Measures For Air Conditioning Systems
4.00 pm - 4.15 pm	Break
4.15 pm - 4.45 pm	Energy Saving Measures For Lighting System & Motors
4.45 pm - 5.25 pm	Policies, Regulations & Incentives for Energy-Efficient Buildings
5.25 pm - 5.30 pm	Q&A & End

SPEAKER'S DETAILS

Ir. Noor Iziddin Abdullah Bin Ghazali has more than 20 years of technical and leadership roles in the following industries: semiconductor, property, data center & telecom. He previously led sustainability energy programs at 22 government hospitals. Initially in a semiconductor with Spansion then MIMOS. Subsequently to data center development at Cyberjaya for Google, Deutsche Bank, TM, NTT, Petronas, and BMW. Then attach to Mesiniaga as Project Manager for Cisco network implementations at Petronas.

Next with Putrajaya Holdings for the development of green buildings. After that as Electrical Manager at Sunway Property overseeing the M&E projects. Later with edotco (Axiata) as the Regional Head overseeing energy projects in Malaysia, Bangladesh, Sri Lanka, Myanmar, Pakistan & Cambodia using a remote energy monitoring system. Then as Program Manager 4G/LTE modernization with Huawei & Ericsson. Subsequently as the Dean, of Engineering Faculty at UNIMY before joining Medivest as the Head of the Sustainable Energy Program.

Before this managing a clean energy supply & demand (electricity, fuel & water) portfolio at Westports Holdings. Followed by setting up a solar energy & energy storage subsidiary at Worldwide Holdings Berhad. Recently as the Senior Energy Advisor at GIZ (German Development Corporation) for Kuala Lumpur City Council focus on Energy Efficiency (EE) and Renewable Energy (RE) project implementation at more than two dozen sites (planning & execution) to be benchmarked at two dozen megacities around the world in terms of climate change and sustainability including potential district cooling.

As the energy advisor and project management consultant in the clean energy sector, now as Head of Project Development & Management at North Consult Engineering leading a project management consultant for multiple type of large scale solar farm in Malaysia & ASEAN region.

Ir. Noor Iziddin Abdullah Bin Haji Ghazali carries out work related to low carbon activities in supporting UN SDG and ESG agenda based on Kuala Lumpur Climate Action Plan (KL CAP 2050) & Dasar Tenaga Negara (DTN) 2022-2040 besides Malaysia Renewable Energy Roadmap (MyRER) plus National Energy Transition Plan (NETR).

Chairman,
Environmental Engineering Technical Division
The Institution of Engineers Malaysia,
Lots 60 & 62, Jalan 52/4,
46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-7890 0134 Fax to 03-7957 7678
Email: syafiq@iem.org.my **Website: www.myiem.org.my**

REGISTRATION FORM

VIRTUAL ONE DAY COURSE ON
""PLANNING AND EXECUTE INDUSTRIAL ENERGY AUDIT PROJECT AND MANAGING LOW CARBON PROGRAM UNDER ENERGY EFFICIENCY IN ESG AND SDG SECTOR"

12 Oct 2026 (Monday) **Closing Date : 08 Oct 2026**

REGISTRATION FEE'S (subject to 8% SST)		
	ONLINE FEE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	**NORMAL FEE** (By Email :Quotation & Invoice) syafiq@iem.org.my
IEM Student Members	**75.00**	**90.00**
IEM Graduate Members	**125.00**	**150.00**
IEM Corporate Members	**200.00**	**225.00**
Non-IEM Members (Non of the Above	**480.00**	**540.00**

NAME	MEMBERSHIP NO. / GRADE	FEES (RM)
	Sub Total:	
	SST Added 8% :	
	Total Amount Payable :	

FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS,** please note that payment **MUST** be made **BEFORE the closing date.** If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Organisation : .....
Contact Person : .....
Position: .....
Billing Address: .....
.....
Company Registration No : ..... **Tax Identification (TIN no) :** .....
Contact Details: Office No: .....
Email Address: .....
Date Submitted : ..... **Handphone No:** .....

Photocopies are acceptable