

VIRTUAL ONE DAY COURSE ON

# CARBON EMISSION REDUCTION IN ENERGY SAVING PROJECTS BASED ON FINANCIAL MODELLING

ORGANISED BY :  
PROJECT MANAGEMENT TECHNICAL DIVISION

**13 NOVEMBER 2021, SATURDAY**  
**9.00AM - 5.45PM**

**SPEAKER : Ir. Noor Iziddin Abdullah bin Ghazali**

BEM Approved CPD : 7

Ref No : IEM21/HQ/382/C (w)



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# COURSE SYNOPSIS

By completing this course, you'll be able to:

- Learn the definition of renewable energy and important terms used in the industry plus understand the simple interaction between energy efficiency with a renewable energy project and green building initiative towards low carbon cities,
- Fundamental of carbon emission calculation towards ESG and UN SDG,
- Construct a financial model for a renewable energy project based on the provided assumptions beside calculate the key return metrics (NPV, IRR, cash flow, and payback) and capital stack to assess the profitability of the project through cash flow,
- Learn about the utility grid interconnection at distribution plus transmission line for supply & demand of any source of renewable energy.

## COURSE STRUCTURE

ITEM	TIME
INTRODUCTION & ICE BREAKING	9.00AM TO 9.15AM
RENEWABLE ENERGY, GREEN BUILDING AND ENERGY EFFICIENCY METHOD	9.15AM TO 10.45AM
TEA BREAK	10.45AM TO 11.00AM
FINANCIAL MODELLING (FM) CONCEPT WITH CARBON EMISSION DISCUSSION	11.00AM TO 1.00PM
LUNCH BREAK	1.00PM TO 2.00PM
DISCUSSION ON FM SAMPLE OF SOLAR PV/SOLAR THERMAL, HYBRID BATTERY/HYDRO/ENERGY STORAGE AND BIOMASS/WTE/BIOGASS PLUS FUEL CELL	2.00PM TO 4.00PM
TEA BREAK	4.00PM TO 4.15PM
UTILITY GRID INTERCONNECTION	4.15PM TO 5.30PM
Q&A	5.30PM TO 5.45PM

# SPEAKER'S BIODATA

Ir. Noor Iziddin Abdullah Bin Ghazali has almost 18 years of technical & leadership role for the following industries: - semiconductor, property, data centre & telecom and previously leading sustainability energy program at 22 government hospitals with 30 engineers & executives. Experience also as Industry Advisory Panel and Adjunct Professor at seven (7) universities. Initially in a semiconductor with Spansion then MIMOS. Subsequently to data centre development at Cyberjaya for Google, Deutsche Bank, TM, NTT, Petronas, BMW, etc worth more than USD50 million. Then attach to Mesiniaga as Project Manager for Cisco network implementations at Petronas.

Next with Putrajaya Holdings for development of green building projects value more than USD 100million. Then as Electrical Manager at Sunway Property overseeing the M&E project's values of more than USD 200 million. Later with edotco (Axiata) as the Regional Head overseeing energy-efficient projects at Malaysia, Bangladesh, Sri Lanka, Myanmar, Pakistan & Cambodia using a remote energy monitoring system. Then as Program Manager of RAN Modernization (LTE Adv) with Huawei & Ericsson was worth over USD 200 million in the year 2016. Subsequently as the Dean, Engineering Faculty at UNIMY before joining Medivest as the Head of Sustainable Energy Program leading sustainability energy program at 22 government hospitals.

Before this managing clean energy supply & demand (electricity, fuel & water) portfolio at the largest maritime port in Malaysia and the second largest port in ASEAN. Some of the work scopes are engineering design, policy, roadmap plus project execution related to ESG and UN SDG. Now leading a solar energy & energy storage subsidiary in one of the biggest state-own companies related to new energy at the most developed state agencies in this country.

## **Cancellation Policy**

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

## **Personal Data Protection Act**

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

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**REGISTRATION FORM**

**Virtual One Day Course on**

**"Carbon Emission Reduction in Energy Saving Projects based on Financial Modelling"**

**13 November 2021 (Saturday)**

**Registration Closing Date : 5 November 2021**

No	Name(s)	Email	Membership No.	Grade	Fee (RM)
SUB TOTAL					
+ 6% SST					
TOTAL PAYABLE					

**PAYMENT DETAILS :**

Cash RM \_\_\_\_\_

Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_ (non-refundable) .

**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.

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

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Telephone No. : \_\_\_\_\_ (O) \_\_\_\_\_ (Fax No.)

\_\_\_\_\_ (H) \_\_\_\_\_ (HP)

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\_\_\_\_\_  
Signature & Stamp

\_\_\_\_\_  
Date

**Photocopies are acceptable**