

# ONE-DAY COURSE ON "HAZOP STUDY WORKSHOP FOR ENGINEERS & MANAGERS "



## When >>

19 August 2023 / Saturday  
9.00 am – 6.00 pm

## Where >>

C&S and TUS Room  
Wisma IEM, Petaling Jaya

## Speakers >>

Ir. Dr. Eow John Son

## BEM Approved CPD:

7 Hours

## CPD Ref No:

IEM23/HQ/081/C



**Ir. Dr. Eow John Son**

	ONLINE FEE	NORMAL FEE
IEM Members >		
:: Student	150	180
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### 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

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*"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*

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## SPEAKERS

**Ir. Dr. John Eow** is an experienced HAZOP & LOPA Study facilitator, and has successfully conducted HAZOP and LOPA study reviews for Murphy Oil Company, LOTTE Chemicals Titan Pasir Gudang, PETRONAS Penapisan Melaka Refinery, The Polyolefin Company Singapore, BASF-Petronas, etc. He is also a Chartered Chemical Engineer (UK) and a Professional Engineer (Malaysia), with more than 16 years' experience in the Oil & Gas and Process industries, having worked with produced water treatment, seawater treatment & injection, offshore sand separation, crude oil dehydration-desalting, and gas processing technologies and equipment.

His experiences cover from Technical and Commercial Proposal work to Detailed Engineering Design to Commissioning to Production Improvement and Troubleshooting for oil & gas production processes. John has also completed process engineering consultancy work, technical training and HAZOP & LOPA review workshops for many clients, including Saudi Aramco, SABIC, PETRONAS, Sarawak SHELL, GAIL India, CNOOC, Murphy Oil Sarawak, Transwater API, CPOC, Prosernat, Boustead-Salcon Water Solutions, HI Technics System Malaysia, Sapura Energy Malaysia, ALTON International Singapore, LOTTE Chemicals Titan, HS Compression and Process Singapore, etc.

Email: [johneow@hotmail.com](mailto:johneow@hotmail.com)

## SYNOPSIS

This 1-day HAZOP Study Workshop will help you to develop a better understanding of all things HAZOP (Hazard and Operability Study), in relation to Process Safety Management (PSM), which is now gaining wide acceptance and importance in many industries, especially in the oil & gas, chemical and process industries. HAZOP study is a structured and systematic assessment of a complex planned or existing process or operation to identify and evaluate problems and issues that may represent hazards and risks to personnel, equipment, facilities and/or organization.

This course will help you to understand the HAZOP study methodology and terminology, its benefits and limitations, the roles and responsibilities of HAZOP participants, and when the HAZOP study technique should be applied to assess the hazards and risks of your process and/or operation.

The workshop will cover the following topics:

- ✓ Introduction to the Concept of Risk and Process Safety Management (PSM),
- ✓ What is a HAZOP study ?
- ✓ The HAZOP study methodology – nodes, deviations, causes,
- ✓ The HAZOP study methodology – consequences, safeguards, recommendations,
- ✓ Who should participate in a HAZOP study – roles and responsibilities,
- ✓ Documents required for a HAZOP Study.
- ✓ Case Study on conducting a HAZOP study.

Learning Outcomes:

On the completion of this course, you will understand:

- the Concept of Risk and Process Safety Management (PSM),
- the principles and methodology of a HAZOP study,
- the resources required for a HAZOP study,
- how the HAZOP study progresses,
- the benefits and deliverables of HAZOP study,
- provide opportunity to participate in a HAZOP study.

For more information, you can contact the course trainer via email: [johneow@hotmail.com](mailto:johneow@hotmail.com)

# TENTATIVE

TIME	PROGRAM
08:30 – 09:00	Registration
09:00 – 09:10	Introduction of Speaker and Topics of discussion
09:10 – 10:30	<b>Topic 1:</b> Introduction to the Concept of Risk, Process Safety Management (PSM)  <b>Topic 2:</b> The Theory behind the HAZOP Study.
10:30 – 10:45	<b>Tea Break</b>
10:45 – 13:00	<b>Topic 3:</b> The HAZOP Study Methodology – Nodes, Deviations, Causes.  <b>Topic 4:</b> The HAZOP Study Methodology – Consequences, Safeguards, Recommendations.
13:00 – 14:00	<b>Lunch</b>
14:00 – 15:30	<b>Topic 5:</b> Who Should Participate in a HAZOP Study – Roles and Responsibilities  <b>Topic 6:</b> Documents required for a HAZOP Study.
15:30 – 15:45	<b>Tea Break</b>
15:40 – 17:30	<b>Topic 7:</b> HAZOP Study Technique for Batch Process, Activity-Based, Procedural HAZOP  <b>Topic 8:</b> Conducting a practical HAZOP study based on an actual process in the oil & gas industry
17:30 – 18:00	Q&A Session, Conclusion / Evaluation

*\* IEM reserves the right to postpone, reschedule, allocate or cancel the course*

# REGISTRATION

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## ONE DAY COURSE ON:

**"HAZOP STUDY WORKSHOP FOR ENGINEERS & MANAGERS"**

**19 AUGUST 2023**

**Closing Date: 12 August 2023**

No	Name(s)	Membership No.	Grade	Fee (RM)*
<b>SUB TOTAL</b>				
<b>+ 6% SST</b>				
<b>TOTAL PAYABLE</b>				

Contact Person			
Designation			
Name of Organization			
Address			
Telephone No (Office)		Fax No (Office)	
Mobile		Email	

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- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The organising committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment

## For further details, kindly contact:

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