



By :

**Ir. Razmahwata Mohd Razalli**

**HAZOP TRAINING FOR  
TEAM MEMBERS  
- A PRACTICAL APPROACH**

BEM APPROVED CPD HOUR :  
REFERENCE NO. :

DATE / TIME :

**5th October 2021  
9.00 am – 5.30 pm**

VENUE :

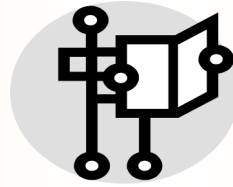
**TBA**

<b>Registration Fees</b>	
Normal	RM 850
ANSARA / MOGEC Members	RM 800



**HRDF - SBL CLAIMABLE**

## Training Summary



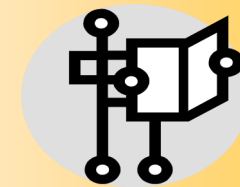
### *PROGRAMME SYNOPSIS*

A Hazard and Operability (HAZOP) study is a formal, systematic and detailed examination of new or existing facilities. It focusses on the process, rather than risks from ‘outside the pipe’, which are better analysed using other studies such as HIREC/ HAZID/ HER. A HAZOP assesses the hazard potential, causes and consequences on a facility when there are deviations to the operating conditions, or the manner of operations. Existing safeguards need are reviewed to determine whether they can eliminate the cause or minimise the consequence.

This full day course is designed to educate participants in the HAZOP process from the perspective of a HAZOP team member.



## Training Summary



### *LEARNING OUTCOMES*

The course is meant to provide both instruction and workshop sessions so that the participants:

- Are familiar with the concept of ‘risk’
- Are familiar with the theory behind HAZOP
- Are familiar with the actual HAZOP workshop process
- Have expectations as to what the HAZOP will (and won’t provide)
- Understand what deliverables can be expected from a HAZOP.
- Have the opportunity to participate in HAZOP exercise in a safe environment.
- Opportunity to share HAZOP experiences.

At the end of the session, the participants should:

- Understand the responsibilities of all parties in the HAZOP.
- Have experience in a HAZOP session.
- Understand the outcomes from a HAZOP session.

## Trainer Profile



Wata has 20 years of experience in the oil and gas industry, in both design and operations. He has upstream and downstream experience in process safety, measurement and allocation, process engineering, offshore technical support, and is also a training

provider. He has conducted Formal Safety Assessment (FSA) and HSE Case workshops, for example HAZID, HAZOP, Hazards & Effects Register (HER), BowTie, safety critical element (SCE) / performance standard (PS) reviews.

Wata is currently a Director of IGL Services Sdn. Bhd. His current technical roles involve leading technical safety assessments and workshops, measurement and allocation reviews, and providing training on HAZOP, SIL and SIL LOPA methods.

## Schedule

TENTATIVE PROGRAMME	
Time	Details
8.30 a.m. – 9.00 a.m.	Registration
9.00 a.m. – 11.00 a.m.	<b>Introduction to Process Hazards Analysis</b>
11.00 a.m. – 11.15 a.m.	Mid-morning break
11.15 a.m.– 1.00 p.m.	<b>HAZOP - Methodology HAZOP - The Session</b>
1.00 p.m. – 2.00 p.m.	Lunch Break
2.00 p.m. – 3.00 p.m.	<b>HAZOP - The Session</b>
3.00 p.m. – 3.15 p.m.	Afternoon coffee break
3.15 p.m. – 4.30 p.m.	<b>HAZOP - The Role Play</b>
4.30 p.m. – 5.00 p.m.	Summary and feedback
5.00 p.m.	Session end

## REGISTRATION FORM

Tel : 603-80624671 Fax : 603-21611489

Email : training@igl.com.my

Website: http://www.igl.com.my

Name of Organisation:	
Address:	
Email:	Phone number :
Tel (Office) :	Tel (Fax) :
Contact Person :	Designation :
ANSARA / MOGEC Member	YES / NO

NAME	Reg. Fee (RM)
<b>TOTAL PAYABLE</b>	

Enclosed herewith a crossed cheque No. .... for the sum of RM ..... issued in favour of "IGL Services Sdn Bhd (Maybank/562777220149) and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/we withdraw after my/our application is/are accepted by the Organizing Committee but substitution of participant will be allowed. If I/we fail to attend the workshop, I/we will still pay the registration fee in full.

(See next page : Terms & Conditions)



## Terms & Conditions

- 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 participants fail to attend the course, the fee is to be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- The Organizing 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.

## IGL SERVICES SDN BHD

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12 Jalan Yap Kwan Seng  
50450 Kuala Lumpur