



By :

**Ir. Razmahwata Mohd Razalli**

**SIL TRAINING FOR TEAM MEMBERS**  
**- A PRACTICAL APPROACH**  
BEM APPROVED CPD HOURS : TBA

DATE / TIME :

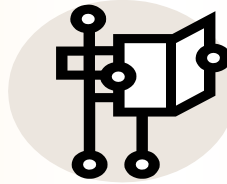
**14th June 2021**  
**8.30 am – 5.30 pm**

VENUE :

**TBA**

Registration Fees	
Normal	RM 850
ANSARA / MOGEC Members	RM 800

## Training Summary



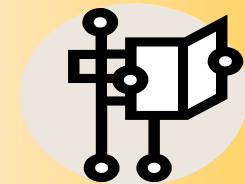
### *PROGRAMME SYNOPSIS*

A Safety Instrumented Function (SIF) is designed to eliminate the cause of a risk or minimize the consequence of an event. The expectation of the SIF's reliability to perform upon demand must be defined so that it is designed appropriately. The Safety Integrity Level (SIL) study is a tool that is used to define this demand. A number of methodologies can be applied to obtain a SIF's required SIL rating, namely use of a Risk Graph, a Risk Matrix or the LOPA methodology.

This full day course is designed to educate participants in the SIL classification process from the perspective of a 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 and terminology behind Layers of Protection, SIS, SIF, SIL and LOPA.
- Are familiar with the different SIL methodologies : risk graph, risk matrix, LOPA.
- Have expectations as to what the SIL workshop will (and won't) provide.
- Understand what deliverables can be expected from a SIL workshop.
- Have the opportunity to participate in SIL exercises in a safe environment.
- Opportunity to share SIL experiences.

At the end of the session, the participants should:

- Understand the responsibilities of all parties in the SIL.
- Have experience in a SIL session.
- Understand the outcomes from a SIL 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
7.45 a.m. – 8.30 a.m.	Registration
8.30 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>SIL - Methodology SIL - The Session</b>
1.00 p.m. – 2.00 p.m.	Lunch Break
2.00 p.m. – 3.00 p.m.	<b>SIL - The Session</b>
3.00 p.m. – 3.15 p.m.	Afternoon coffee break
3.15 p.m. – 4.30 p.m.	<b>SIL - The Role Play</b>
4.30 p.m. – 5.30 p.m.	Summary and feedback
5.30 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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50450 Kuala Lumpur