REGISTRATION FORM: 2 DAYS COURSE ON LOCK OUT AND TAG OUT (LOTO) PROCEDURE EXTENDS BEYOND MACHINES IN CHEMICAL PLANTS.

Name(s)	Membership No. / Grade	Fees (RM)
Sub Total:		
6% GST Added:		
Total Amount Payable:		

Company:_____

Address:_____

_____

_____

Mobile:_____ Tel(O):_____Fax:_____

E-mail:_____
(Please write clearly as the "Information Update will be sent via email)

Contact Person: _____ Designation: _____

Signature: _____ Date:_____

PAYMENT DETAILS

☐ Cash RM_____

☐ Cheque no. _____ for the amount of RM _____
(non-refundable) and made payable to "**THE INSTITUTION OF ENGINEERS, MALAYSIA**" and crossed '**A/C Payee Only**".

Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Credit Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made on registration.**
- **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. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- 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.

Organizer:
Building Services Technical Division
The Institution of Engineers Malaysia

TWO-DAY COURSE ON LOCK OUT AND TAG OUT (LOTO) PROCEDURE EXTENDS BEYOND MACHINES IN CHEMICAL PLANTS

Date:

~~22nd & 23rd August 2016~~

~~(Mon & Tues, 9.00am – 5.00pm)~~

Rescheduled Until Further Notice

Venue: Auditorium CFK, 3rd Floor, Wisma IEM, Petaling Jaya, Selangor

Registration Fee (GST not included)

Grade	Online Fee	Normal Fee
IEM Student Member	RM 250.00	RM 280.00
IEM Graduate Member	RM 500.00	RM 600.00
IEM Corporate Member	RM 900.00	RM 1000.00
Non IEM Member	RM 1200.00	RM 1300.00

Closing Date: 17th August 2016

6% GST IS IMPLEMENTED EFFECTIVE 1ST APRIL 2015

BEM Approved CPD/PDP Hours: 12.5 hours
Ref. No.: IEM16/HQ/274/C

The course objective is to instill upon the Production, Engineering & Maintenance Department the knowledge of the danger and hazardous in servicing and maintenance of machines and equipment during the unexpected start up or release of energized equipment which may injure an employee. Very often when servicing electrical, mechanical, hydraulic, pneumatic, chemical or other energized equipment in the factory, the employee(s) is required to be inside or near the area or placing equipment inside the machine, there is a great risk of bodily injury if Lockout /Tagout procedures are not in place. However LOTO extends beyond machineries in Chemical Plants. Chemical spillages need to be considered.

* **Registration starts from 8.30am**

Time	Day 1	Day 2
9.00am	Safety of the workforce like fatalities and bodily injuries, compliance to - OSHA 1994 - Factories Machinery Act 1967	Pipelines process intensive - Isolating procedure and method to implement LOTO on the pipelines to prevent chemical spillage
10.00am	Standards or Code Relating to Lockout and Tagout. Definitions and terminology Reference to ISO31000 Risk Management Standard	Introduction on Chemical spillage Environmental Quality Act 1974
10.30am	Teak break	Tea break
10.45am	Identify the Equipment/Facilities requiring Direct Lockout and Tagout Different types of manufacturing processes - machinery intensive - pipelines process intensive Categories by electrical, mechanical, hydraulic, pneumatic, chemical or other energized equipment	Apply Risk Matrix to determine the level of Risk of the storage tanks, pipelines to the process tanks Chemical Hazards • Impact on the safety of the workforce • Impact on the assets of the company • Impact on the environment
12.30pm	Lunch	Lunch
1.30pm	Machinery intensive - List out the equipment Pipelines process intensive - List out the chemicals inside the pipelines from source	Setting up of an in-house Emergency Response Team on Chemical Spillage - duties of respective team member - role of Fire Rescue Department Malaysia
2.30pm	Apply Risk Matrix to determine the level of Risk of the identified equipment	
3.30pm	Tea break	Tea break
3.45pm	Machinery intensive - Isolating procedure and method to implement LOTO, Case Study	Personal Protective Equipment Training schedule to familiarize with the various chemical
5.00pm	End	End

TRAINER PROFILE

IR. GARY LIM ENG HWA
BE(Mech.) NZ, Mgt Dip. FIEM, P.Eng, Asean Eng, APEC Eng, Int PE(My)
AT31000-Approved ISO31000 Risk Management Lead Trainer.

Ir Gary Lim is an experienced and qualified Professional Engineer with over 20 years of manufacturing experience in a wide range of industries. Gary started with Unilever (NZ) Ltd as an Industrial Engineering Officer (2 years) and with Lever Brothers (Malaysia) (2 years). Industrial Engineering (or Work Study) involves the study of processes and production lines to ensure the effective and efficient use of resources (labour, time, floor area, etc) without compromise on the safety aspects. Gary left and joined Berger Paints (Malaysia) as their Project Engineer to assist Senior Management in construction of a new paint factory in Bukit Raja, Klang. The factory was completed and operational within 2 years, Gary was re-designated as the Mainatenance Engineer, he was instrumental in the implementation of LOTO procedures and confined space entry. After 3 years, he was promoted to the position of Factory Manager. Gary left and joined Dutch Baby Milk Industries as the Production Manager taking charge of the production of all the diary products. Apart of worker safety, food safety became the next priority hence the company implementation of Hazard Analysis Critical Control Point (HACCP) a risk assessment tool of the food industry was monitored closely.Gary left for another food manufacturing company involved in chocolates, jams, sauces and condiments. Gary joined Nissan IOI, an industrial gas manufacturer as the Plant Manager taking charge of the operations of the plants.
Gary would be sharing the practical aspects relating not only to safety of workers but also to the finished goods and equipment. The use of Lock Out Tag Out (LOTO) in all manufacturing plants are most critical, it is to ensure SAFETY. When accidents do occur, the preparedness to handle chemical spillages is critical to ensue the safety of the workforce and the surroundings
Currently,a council member and committee member of the Building Services Technical Division of the Institution of Engineers, Malaysia. He has a degree in Mechanical Engineering from the University of Canterbury, New Zealand and a Management Diploma from New Zealand. He is a Professional Engineer registered with the Board of Engineers, Malaysia and a Fellow of the Institution of Engineers, Malaysia (IEM). In 2016 he received the AT31000 Certificate as Approved ISO31000 Risk Management Lead Trainer.

FOR FURTHER DETAILS, PLEASE CONTACT:
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