

Mechanical Engineering Technical Division

The Institution of Engineers, Malaysia

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Organised by:
Mechanical Engineering Technical Division,
The Institution of Engineers, Malaysia

REGISTRATION (2-DAYS COURSE ON OPTIMIZING COMPRESSED AIR SYSTEM)

Name(s)	IEM M'ship No. /Grade	Fees (RM)
SUB TOTAL		
ADD SST @ 6%		
TOTAL PAYABLE		

Company: _____

Address: _____

Mobile: _____ Tel(O): _____ Fax: _____

E-mail: _____

(Please write clearly as the "Confirmation Notification" 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.

Two-Days Course on "Optimizing Compressed Air System Energy Efficiency"

Speaker

Ir. Luk Chau Beng and Mr. Kelvin Low

Date

26 & 27 June 2019 (Wednesday & Thursday)
9.00am - 5.30pm

Venue

Auditorium Tan Sri Prof. Chin Fung Kee, 3rd Floor,
Wisma IEM, Petaling Jaya, Selangor Darul Ehsan

REGISTRATION FEES (BEFORE SST)

Grade	Online Fee	Normal Fee
IEM Student Member	RM 400.00	RM 500.00
IEM Member	RM 900.00	RM 1000.00
Non IEM Member	RM 1,400.00	RM 1,500.00

Closing Date: 20th June 2019

BEM Approved CPD/PDP Hours: 14
Ref. No: IEM19/HQ/219/C

SST is implemented effective
1st March 2019

COURSE OBJECTIVE

The objectives of this course is to introduce and provide understanding of compressed air system; the various air compressors, air storage system, air treatment system, as well as the efficient design consideration of the compressed air system. This course will focus on the system optimization approach on the compressed air system taking into consideration the end use requirement, distribution system and compressed air station supply side management. The system optimization approach provides an overall energy saving besides ensuring the compressed air system performance and reliability. Efficient and reliable compressed air system reduces energy consumption and downtime besides ensuring smooth production and operation in the industrial plants.

In summary, this course will provide the participants with experiences in compressed air system design, selection of air compressor, optimizing compressed air system to improve efficiency and best practices in maintenance and operation to achieve high system reliability. At the end of the course, we hope plant engineers and facility users will be able to optimize the existing compressed air system and reduce the energy consumption hence the cost of energy.

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

BIODATA OF SPEAKER

Ir. Luk Chau Beng is Professional Engineer and holds a Masters Degree in Engineering Management, a Bachelor degree in Mechanical Engineering, a First Grade Steam Engineer and a First Grade Internal Combustion Engineer Certificate issued by DOSH, Malaysia He had more than 35 years of experince in operting, maintaining and turnaround of a power plant covering boilers, steam turbines, combustion turbines, compressed air system etc.

Apart from that, Ir. Luk was the past Chairman of the Mechanical Engineering Technical Division of IEM as well as a former Council Member of IEM. He holds several national chairmanships which include Chairman for ISO TC 11 on boiler and unfired pressure vessel, TC on mechanical engineering components with Standard Malaysia and also chaired and published two volumes of Malaysian Energy Efficiency Guidelines for pumps, compressor, boilers, furnace and thermal oil heater for KeTTHA. He is a Certified Trainer by HRDF Malaysia, Certified Professional of Measurement & Verification (CPMV), and national expert in steam, pumps, fans and energy management optimization systems by (UNIDO)

Mr. Kelvin Low graduated in B.E (Hons) from University of Technology Malaysia in 2002 and M.Eng (Electrical Energy and Power System) from University of Malaya in 2012. He has more than 10 years experiences in M&E project management and 13 years extensive experiences in high and medium pressure compressed air system and low pressure blower system. He worked in Atlas Copco Malaysia for more than 7 years involving in compressed air system designing, installation, testing & commissioning, marketing and provide technical solution for various industries segmentation including food and beverage, petrol chemical, oil & gas, cement plant, automobile, electronic/semiconductor as well as gas separation plant etc. He started his own industry facility management & aftermarket sales service company since year 2014. Currently, he is in consultancy & advisory business and is actively providing optimization solution,

green/energy saving compressed air solution and system optimization training. His specialties including compressed air system audit and heat recovery system in air compressor. Besides that, he also holds the following competency certificate - Certified Trainer by HRDF Malaysia, Certified Professional of Measurement & Verification (CPMV), National Expert in Compressed Air System and Fan System Optimization by (UNIDO)

TENTATIVE PROGRAMME

TIME	DAY 1	DAY 2
08:30 – 09:00	Registration	
09:00– 10:30	Basic of Compressed Air System	Compressed Air System Design
10:30 – 11:15	Tea Break	
11:15 – 13:00	Comparing Energy Usage and Efficiency	Optimizing of Compressed Air System
13:00 – 14:00	Lunch	
14:00 – 15:30	Compressed Air System Component	Demand Side Management
15:30 – 15:45	Tea Break	
15:45 – 17:00	Sizing and Type of Air Compressor Control Method	Best Practices in Operation and Maintenance
17:00 – 1730	Questions & Discussions	Questions & Discussions
1730	End of Day 1	End of Course

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.