

ONE - DAY SEMINAR ON THE ART OF GENERATING AND UTILIZING STEAM SAFELY AND EFFICIENTLY



23 April 2026



9:00 A.M. - 5:00 P.M.



Open University, Johor Bahru

Synopsis

Steam being the most critical resource used in industries ranging from power generation and process industries in paper and wood products, food and beverages, oleo chemical, processing plants to cooling and heating in buildings.

The objectives of this course is to provide the conceptual and understanding of the boiler system from design to efficiency perspectives together with the introduction of proper selection of efficient control and safety appurtenances. This is to ensure that the boiler owners, engineers and operators are able to select and operate the boiler in a safe and efficient manner.

This course will introduce the boiler and various steam systems, standard practices that any engineer and operator should follow to ensure safe, continuous and efficient operation as well as taking the necessary corrective measures to avoid dangerous and costly occurrences,

The course will be also beneficial to Energy Managers and Auditors in managing thermal efficiency meeting the requirements of the new Energy Efficiency and Conservation Act (EECA) requirement.

In summary, this course will provide the participants with experience in boiler and steam, selection of boiler and its appurtenances, optimizing steam 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 operators will be able to optimize the boiler and steam system and reduce the energy consumption hence reducing cost of energy and GHG emission.



WHO SHOULD ATTEND

ENERGY OR FACILITY MANAGERS, BUILDING OWNERS, M&V VERIFIERS, GOVERNMENT ENERGY PROGRAM MANAGERS, PERFORMANCE MEASUREMENT VERIFICATION, ANALYSTS, ENERGY SERVICE PROFESSIONALS, ENERGY POLICY PROFESSIONALS, UTILITY DSM PROGRAM MANAGER, ENERGY CONSULTANTS, HEALTH SECTOR PROFESSIONALS, ENERGY PROJECT INVESTORS, LAWYERS ETC. WISHING TO BETTER UNDERSTAND THE ISO SERIES IN ENERGY MANAGEMENT WHEN IT COMES TO ENERGY SAVINGS PROJECTS.

Trainers



Ir. Luk Chau Beng

Ir. Luk Chau Beng is Professional Engineer and holds a Master's Degree in Engineering Management with specialization in Energy, a Bachelor degree in Mechanical Engineering, First Grade Steam and Internal Combustion Engine issued by DOSH as well as a Registered Energy Manager (I & II) with EC. He had more than 40 years of experience in power plant and industries as well as commercial buildings covering boilers, steam and combustion turbines, pumps and compressed air system, HVAC, cogeneration furnaces, thermal oil heaters etc.

Apart from that, Ir. Luk was the past Chairman of the Mechanical Engineering Technical Division and past 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 Standards Malaysia. He had also chaired two publications on the Malaysian Energy Efficiency Guidelines for Malaysian industries for the Ministry of Energy and Green Technology. He is a Accredited Trainer by HRDC Malaysia, Certified Professional of Measurement & Verification (CPMV), and national expert in various systems including steam, pumps, fans, energy management and solar thermal systems accredited by United Nation (UNIDO) and served as a Boiler Expert in UNIDO as well as consultant for governments on various energy efficiency matters.



Mr. Deric Lau

Deric Lau has over 30 years of comprehensive industry experience in Steam and Energy Management. For the past 22 years, he has been a pivotal asset to ARI-Armaturen, where he currently serves as a Sales Manager. His career is defined by a profound mastery of steam systems, ranging from industrial boiler plants to complex steam and condensate facilities. Deric has led numerous high-stakes projects across a diverse spectrum of industries, from the delicate environments of the Food & Beverage sector to the high-pressure demands of Power Generation plants.

He is complemented by decades of hands-on troubleshooting, allowing him to be specializing in steam system optimization, energy efficiency audits, and the engineering of complete steam and condensate recovery solutions. As an experienced technical authority at ARI-Armaturen, Deric is also a mentor to junior engineers and a key advisor to clients seeking to modernize their thermal utilities for maximum performance and sustainability.

Programme

Time	Itinerary
8:30 A.M. - 9:00 A.M.	Registration
9:00 A.M. - 10:30 A.M.	Boiler fundamental, application, and steam generation
10:30 A.M. - 10:45 A.M.	Coffee Break
10:45 A.M. - 1:00 P.M.	Safe operation and Boiler & Steam efficiency, Q&A
1:00 P.M. - 2:00 P.M.	Lunch
2:00 P.M. - 3:30 P.M.	Treatment of Steam Distribution & Steam Consumer
3:30 P.M. - 3:45 P.M.	Coffee Break
3:45 P.M. - 5:00 P.M.	Cont' Treatment of Steam Distribution & Steam Consumer
5:00 P.M. - 5:15 P.M.	Q&A Session, End

Registration Form

THE ART OF GENERATING AND UTILIZING STEAM SAFELY AND EFFICIENTLY



Name of participant:	
IEM Membership No.:	
E-mail:	
Contact No.:	
Name of Organisation/ Company:	
Signature:	
Date:	

Date: 23 April 2026, Thursday
Time: 9:00 A.M. - 5:00 P.M.
Venue: Open University, Johor Bahru

BEM APPROVED CPD HOURS: 7.0
IEM26/SB/151/S

Participant Fees

IEM Member	RM100.00
Non-IEM Member	RM200.00
Closing Date	20 April 2026

Payment Method

Please make payment to:

Account Name	THE INSTITUTION OF ENGINEERS, MALAYSIA (SOUTHERN BRANCH)
Account Number	5-013920-15708
Bank Name	MALAYAN BANKING BERHAD (MAYBANK)



IEM (Southern Branch)

Terms & Conditions:

- The seminar is limited to 30 participants.
- Payment via CHEQUE or BANK-IN TRANSMISSION
- 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 seminar, the fees is to be settled in full. If the participant made payment and failed to attend the seminar, the fees paid is non-refundable.
- The Organizing Committee reserves the right to alter or change the program due to unforeseen circumstances.

Please send all inquiries to jemsouthern@gmail.com
Call us at [+607 331 9705](tel:+6073319705) for Details and more information