23 - 25 Oct 2018 |9am - 5pm| WWW.SEAS.ORG.SG

Energy Management of Compressed Air Systems

Designed by fanjianhua / Freepik

Course Summary

Compressed air systems hold the key to greater productivity, efficiency and profitability in your facility. You just have to understand where to look and what to do. There is an increasing awareness that the systems approach to design and operation of industrial compressed air systems improves performance and productivity. A properly designed and functioning compressed air system reduces energy consumption and cost.

To optimise overall compressed air system efficiency, it is necessary to evaluate the whole system. Attempting to address individual parts of the system such as compressor control without evaluating issues of air storage, distribution and point of use can lead to incomplete analysis.

Poor definition of system issues often results in treatment of symptoms. Failure to deal with the root cause of performance issues inevitably leaves the overall system with poor and inefficient operation.

21 SCEM PDU Points Awarded

Course Outline

In this workshop, you will learn the essentials of the systems approach, including compressed air system design from compressor to end use, piping and fittings, materials, codes and standards.

Learn how to optimize the system for performance, to create and maintain balance between system supply and end user demand. And learn to eliminate waste lost due to leakage and inappropriate use of compressed air. You will also gain an understanding of the maintenance issues that apply; the cost of air leakage, the methods of detecting and correcting system faults to ensure smooth operation.

SEAS
Sustainable Energy Association of Singapore

23 - 25 October 2018
9am - 5pm
Singapore Sustainability Academy
180 Kitchener Road Level 6 Sky Park, #06-10
City Square Mall Singapore 208539

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Program Outline

Session 1	Compressed air systems basics
Session 2	Types of compressors and characteristics
Session 3	Theory of compression
Session 4	System selection & design
Session 5	Reducing compressed air demand
Session 6	Optimising system operations
Session 7	System accessories
Session 8	System controls
Session 9	Heat recovery and maintenance
Session 10	Audit & measurements
Session 11	Case Studies

Rates

Normal

SEAS Member:	3 participants and above:
$1 600.00	$1 650.00
Non-Member:	SCEM Special Rate:
$1 800.00	$1 700.00

Fees are inclusive of GST
SEAS may cancel or reschedule a course at its discretion and will use reasonable efforts to notify delegates at least 5 working days in advance. In these circumstances, delegates will be offered an alternative date, an alternative location or a full refund of course fees paid. SEAS is not responsible for airline or accommodation costs incurred by delegate in the event a course is cancelled or re-scheduled.

Substitutions (name changes) are accepted at any time prior to the event without penalty, subject to the replacement delegate satisfying any necessary course pre-requisites.

Dr Lal Jayamaha

Speaker's Profile

Dr. Lal Jayamaha is the author of the book "Energy Efficient Building Systems" published by McGraw-Hill, USA and the founder of LJ Energy Pte Ltd which is one of the leading ESCOs in Singapore

Dr. Jahangeer K. Abdul Halim

Speaker's Profile

Dr. Jahangeer K. Abdul Halim graduated with a Master of Science (M.Sc.) in Mechanical Engineering from National University of Singapore in 1998. He was awarded a Research Scholarship by the National University of Singapore (NUS) in 1999 to undertake a research project on solar energy and was awarded a Master of Engineering (M.Eng.) degree in 2002.

Call us at +65 6338 8578 to enquire **Email: training@seas.org.sg**

Registration Form

☐ Yes! I would like to register for this programme ☐ I am unable to attend but please put me on your mailing list

Participant's Details

1 Name (Dr/Mr/Ms/Mrs) Designation
Hp Email
NRIC

Participant's Details

2 Name (Dr/Mr/Ms/Mrs) Designation
Hp Email
NRIC

Billing Information

Company Name Contact Name
Company Address Email
Tel