

DESIGNED FOR REGISTERED ENERGY
MANAGER (REM) & FACILITY EXPERTS
RESPONSIBLE FOR DELIVERING
ENERGY SAVING RESULT.



SANDHURST
ACADEMY
ENERGY
EFFICIENCY
MASTERY SERIES

COMPRESSED AIR SYSTEM EFFICIENCY

FROM FUNDAMENTALS
TO ENERGY & COST OPTIMISATION

HIGHLIGHT OF THE COURSE

- Understand how compressed air systems work and how to make them more energy-efficient.
- Learn how to measure, monitor, and analyse energy use and costs, in line with EECA 2024.
- Learn how to improve compressor efficiency with better maintenance, controls, and system design.
- Explore real industry case studies on energy savings, cost reduction & lower carbon emissions.

WHY THIS COURSE?



WHO SHOULD ATTEND

- Energy Managers / Energy Engineers
- Mechanical & Maintenance Engineers
- Facility / Plant Engineers
- Operations & Maintenance Personnel
- Technical Managers & Supervisors



Speaker

MR PHUN LEE MING

TOP TRAINER INDUSTRIAL
COMPRESSED AIR SYSTEM



JULY 2026
8.30AM - 5.30.PM



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TRAINING OUTLINE

DAY 1

9:00 AM - FUNDAMENTAL OF 1:00 PM COMPRESSOR TECHNOLOGY

- Basic of Compressor Types
- Operating Principal of Compressors and its application
- Calculate compressor energy efficiency and understand how different compressor technologies perform.

2:00PM - DRYER, FILTERS & PIPE 5:00PM NETWORK

- Air Quality and ISO 8573-1: 2010
- Dew Points and Its meaning
- Dryer Technologies & Right Selection
- Filters types and its characteristic
- Basic guidelines of Pipe Network

DAY 2

9:00 AM - DEMAND SITE 1:00 PM MANAGEMENT

- Introduction & how to determine Artificial Demand Wastage
- Concept of Pressure Flow Controller and its Utilisation for Elimination of Artificial Demand Wastage

2:00PM - BASIC OF AIR & ENERGY 3:30PM AUDIT OF COMPRESSED AIR SYSTEM

- Scope of Air & Energy Air Audit
- Bonus: Explore Compressor Efficiency Calculator tools
- The usefulness - Flow, Power & Pressure Measurement, Leak Detection
- Explore the previous case study & issues

4:00PM - ASSESSMENT & 5:00PM EVALUATION

Morning Break- 10:30am

Lunch- 1:00pm

Tea Break- 3:30pm

TRAINER'S PROFILE



Mr. Phun Lee Ming is a recognised expert in compressed air energy efficiency and industrial utilities optimisation. He has helped many manufacturing plants improve system performance and reduce energy use. He is the principal author of the Compressed Air Manual published by the National Institute of Compressed Air Malaysia.



SANDHURST
ADVISORY

Sandhurst Advisory is an energy advisory firm specialising in energy efficiency engineering, industrial utilities optimisation, and carbon reduction strategy. Our Professional Development division also delivers specialised training for REM and facility professionals.

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