

16 CDP
BY SURUHANJAYA TENAGA

ORGANIZED BY

MAESCO

(Pertubuhan Syarikat Syarikat Perkhidmatan Tenaga Malaysia)
Malaysia Association of Energy Service Companies

AIR CONDITIONING SYSTEM

2-DAY TRAINING PROGRAM

RM 1,700.00 (PUBLIC)
RM 1,300.00 (MEMBERS)

**EXCLUDING 8% SST*

16 CDP HOURS APPROVED BY
SURUHANJAYA TENAGA

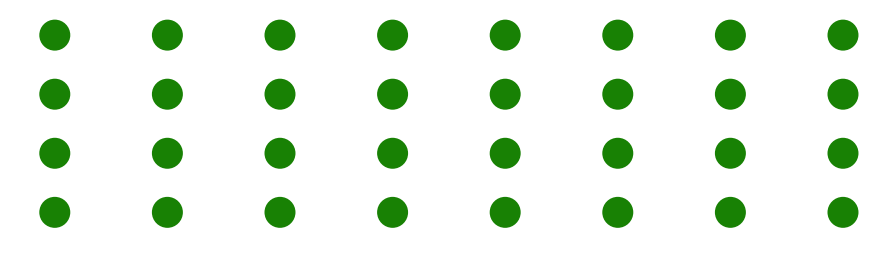
MANDATORY COURSE FOR REM TYPE 1



CONTACT US TODAY

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OVERVIEW

This course provides a comprehensive understanding of air conditioning systems, with emphasis on chiller plants, refrigeration principles, pumping systems, cooling towers, air handling units, fans, and system energy efficiency. Participants will gain both theoretical and practical insights to evaluate system performance, identify operational issues, and implement energy efficiency improvements in building air conditioning systems.

COURSE OUTLINE

Day 1:

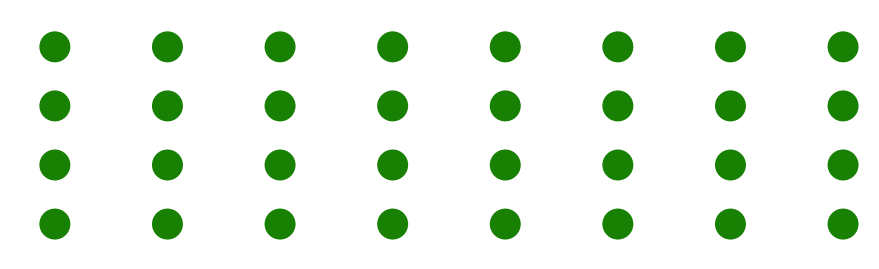
- Module 1: Introduction to Cooling System
- Module 2: Refrigeration Cycle & Chiller Types
- Module 3: Chiller Operation & Performance
- Module 4: Chiller Efficiency & Measurements
- Module 5: Chiller Problems, Diagnostics & Best Practices

Day 2:

- Module 6: Pumping Systems
- Module 7: Cooling Tower Systems
- Module 8: Air Handling Units
- Module 9: Fan Systems

OVERAL LEARNING OBJECTIVES

By the end of this programme, participants will be able to understand the operating principles of air conditioning systems and the refrigeration cycle, explain the functions and inter-relationships of key system components, and evaluate chiller performance and efficiency. Participants will also be able to interpret important system parameters and will be equipped with fundamental knowledge of pumping systems, cooling towers, AHUs and fans, enabling them to identify system inefficiencies, recommend practical energy-saving measures, and perform basic calculations related to cooling load and system power consumption.



TRAINER PROFILE

IR. KUMARASON KANDIAH



Ir. Kumarason is a graduate in B.Eng. mechanical engineering from UTM and also holds a Master's degree from the same university. He is a registered professional engineer with BEM, registered Electrical Energy Manager with ST and certified Energy Management Expert (UNIDO). He has more than 10 years working experience in Energy Efficient Design and State of the Art Control systems. He has wide experience in conducting professional energy audit, energy retrofit, design concept that details potential savings with performance & feasibility studies particularly in ACMV systems.

