

AIR-CONDITIONING AND MECHANICAL VENTILATION

OVERVIEW

Through this approach, participants will be able to learn the actual case studies for better understanding on air conditioning and mechanical ventilation systems as well as the proper sizing, selection, installation, appropriate maintenance and the correct use of air-conditioning and mechanical ventilation system. This workshop also demonstrate a well-proven approach used in reducing the energy running costs of air-conditioning and mechanical ventilation system through housekeeping and system re-commissioning.

TARGET MARKET

- Maintenance Manager/Engineer/Technician
- Facility Manager/Engineer/Technician
- Building Services
- Manager
- Engineer

COURSE OUTLINE

- Overview of air-conditioning
- Air-conditioning components
- Psychometric chart
- Load estimation
- Air delivery system
- Piping system
- Types of air-conditioning system
- Types of equipment involved
- Commissioning
- Types of mechanical ventilation
- Pressurization and smoke spill

OBJECTIVES

- Receive a thorough grounding in basic knowledge regarding air-conditioning and mechanical ventilation.
- Gain a solid understanding of the issues associated with the proper sizing, selection, installation of air-conditioning & mechanical ventilation system.
- Learn the ways to determine design cooling and heating loads.
- Learn to evaluate potential energy saving techniques and equipment.

SBL CLAIMABLE



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