

ENERGY MANAGEMENT

OVERVIEW

The purpose of this course is to give an overview of the function of an electrical power distribution in an electric power system as well as in industrial systems, of its sub-system functions, its planning and design principles. Tools for distribution analysis are derived. Description of the main components of distribution plant will be given to enhance the understanding of their engineering aspects & practical considerations of their selection. At the end of the course, the participant will benefit from having a wider knowledge base and appreciation of the basis of planning and design of a distribution infrastructure system from an experience of actual hands-on exercises conducted during the course.

TARGET MARKET

- Facility managers/engineer/head
- Equipment managers/engineer/head
- Mechanical/electrical; manager/engineer/head
- Technical manager/engineer/head/charge men
- Plant/factory
- Maintenance manager/engineer/head
- Anybody who is interested in saving energy, reducing costs and increase efficiency

COURSE OUTLINE

- What is Energy Management?
- Fundamental Of Energy Audit Technique
- Energy Audit Measurement
- Understanding and Minimizing your Electricity bills
- Air conditioning system
- Motors & Variable Speed Drives
- Compressed Air System
- Lighting – Energy saving opportunities
- Energy Management Strategic Plan
- Energy Monitoring, Control & Reporting

OBJECTIVES

- Learn about 3 main aspects of Energy Management which is Energy Efficiency, Energy Conservation and TNB Tariff
- Learn to identify overall energy losses in your facility by doing Energy Audit.
- Understand TNB Tariffs, type of charges and maximum demand as this will help to reduce power consumption in your facility.
- Learn how to conserve energy for Air Conditioning System by understanding it's function and to cut cooling cost
- Learn how to improve Motor and AC Variable Speed Drive's efficiency to increase reliability and energy efficiency

SBL CLAIMABLE



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