

Course Overview:

- Battery & Power systems applications, components, operating principles and causes of failure for vented lead acid, valve regulated lead acid and nickel-cadmium batteries.
- Introduction to types of battery chargers

Course Objective:

- Battery & Power systems applications, components, operating principles and causes
- of failure for vented lead acid, valve regulated lead acid and nickel-cadmium batteries.
- Introduction to types of battery chargers

Course Outline:

1. INTRODUCTION TO BATTERIES
2. BATTERY HAZARDS
3. BATTERY SAFETY EQUIPMENT AND PROCEDURES
4. APPLICATION AND SCOPE
5. GROUND FAULT DETECTION
6. BATTERY PROTECTION
7. BATTERY BASICS
8. BATTERY CONSTRUCTION
9. INTRODUCTION TO POWER SYSTEMS
10. WHY POWER SYSTEMS ARE INTERCONNECTED
11. ELEMENTS OF INDUSTRIAL POWER SYSTEMS
12. TYPICAL INDUSTRIAL POWER SYSTEMS
13. SYSTEM RELIABILITY
14. SYSTEM FLEXIBILITY
15. SYSTEM PLANNING

Who Should Attend:

Designed for maintenance and operation personnel, Engineers, Technicians that are responsible for battery systems in substations, power plants and other systems that require emergency power

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation