

**Course Overview:**

The aim of this course is to gain access to best-practice in Energy Management and gain an understanding of Energy Management systems requirements and operational controls. Also, it will be assessed the financial merits of proposed energy management measures, and present the business case in support of implementation recommendations.

**Course Objective:**

- Gain access to best-practice in Energy Management
- Gain an understanding of Energy Management systems requirements and operational controls
- Relate industrial energy management to market conditions, industrial needs
- Assess the current capacity of your organisation to do energy management, and plan actions that focus on management practices to increase that capacity
- Assess the financial merits of proposed energy management measures, and present the
- business case in support of implementation recommendations;

**Course Outline:**

- Introduction to Industrial Energy Management
- A Strategic Approach to Energy Management
- Developing an Energy Policy
- Establishing and Monitoring the Energy
- Energy Aspect Identification
- Organisational Structure for Energy Management
- Distribution system, supply requirements
- Medium voltage network
- POWER SYSTEM RESTORATION
- NETWORK OPERATION IMPROVEMENT
- INTERACTION WITH DISTRIBUTION
- DISTRIBUTION SUBSTATION LOAD SHEDDING
- SUBSTATION PROTECTION
- Continual Improvement
- Monitoring and Measurement
- POWER SYSTEM RELAYING
- POWER SYSTEM SECURITY
- ECONOMIC OPERATION OF ELECTRIC POWER SYSTEMS

**Who Should Attend:**

- Organisations wishing to reduce energy costs.
- Those responsible for implementing and/or maintaining load and energy management in industrial power distribution system.

**Training Language:**

EN / AR

**Training Methodology:**

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