

€ TRAINING

Strategic Energy Management Using BS EN
16001 and ISO 50001





Strategic Energy Management Using BS EN 16001 and ISO 50001

Introduction:

This training program equips participants with the skills to implement effective energy management systems. Participants learn to align strategies with standards to optimize energy usage and reduce costs. Through theoretical and practical instruction, they establish and maintain energy management systems in their organizations.

Program Objectives:

At the end of this program, the participants will be able to:

- Understand where energy resources come from.
- Identify energy "Waste".
- Gain expertise in managing the resource once it comes on site.
- Enroll all organizational colleagues in the day to day management of energy resources.
- Demonstrate to all parties Customers and Suppliers the best practices being carried out.
- Understand the process of Energy Management.
- Learn about the International Energy Management Standard ISO 50001.
- Reduce operational costs, Carbon footprint, and Environmental Impact.

Targeted Audience:

- Electrical Engineers.
- Electrical Supervisors.
- Power Engineers.
- Managers in-charge of electrical installations.
- Project Engineers.
- Quality Professionals.

Program Outline:

Unit 1:

Energy Overview:

- Energy & the Environment.
- Energy laws, regulations, and procedures.
- Energy Language.
- Carbon Emissions.
- Energy Standards.
- Energy applications.

Unit 2:

Energy Data & Management:

- Invoices.
- Metering.
- Data manipulation and interpretation.
- Management output.
- Using data.
- Evaluation Management competency.

Unit 3:

Energy Auditing / Review:

- Auditing process.
- Simple Auditing.
- Management Auditing.
- Detailed Auditing.
- Process Assessment.
- Equipment and activity Assessment.

Unit 4:

Monitoring and Targeting:

- Using raw data.
- Establishing connections with activity levels.
- Benchmarks / KPIs.
- Regression Analysis and CuSum.
- Establishing budgets and targets for consumption.
- Automatic Monitoring & Targeting / Reporting.

Unit 5:

People Power:

- Sources of help & guidance.
- Enrolling staff members.
- Making Policy & Strategy work.
- Partnerships.
- Information / communication.