Applying Energy Efficiency

COURSE OVERVIEW

This course covers the principles, strategies, and technologies aimed at enhancing energy efficiency across residential, commercial, industrial, and public sectors. It also examines policies, incentives, and best practices that encourage energy efficiency, along with the importance of energy audits, monitoring, and management systems. Participants will learn how to assess energy consumption, identify opportunities for efficiency improvements, and implement cost-effective measures to reduce energy use and emissions.

WHO SHOULD ATTEND?

This course is designed for energy managers, facility managers, environmental consultants, business owners, policymakers, government officials, students, and academics in energy management, sustainability, and environmental sciences, as well as those involved in energy audits, monitoring systems, and efficiency implementation.

COURSE OUTCOMES

Delegates will gain knowledge and skills to:
- Understand the fundamentals of energy efficiency and its role in sustainability and climate change mitigation.
- Conduct energy audits and assessments to identify inefficiencies in various settings.
- Implement energy-saving measures in buildings, industrial processes, and transportation systems.
- Evaluate the economic and environmental benefits of energy efficiency projects.
- Navigate policies, incentives, and financing options for energy efficiency initiatives.
- Apply energy management systems and technologies for continuous improvement.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:
- How to perform detailed energy audits across sectors
- Tools for identifying and quantifying energy-saving opportunities
- Real-world applications of HVAC, lighting, and process efficiency upgrades
- How to use energy performance metrics and benchmarking systems
- Ways to calculate ROI and emissions reduction from efficiency projects
- Policy frameworks, incentives, and funding sources that support energy upgrades
- Implementation strategies using **ISO 50001** and smart energy monitoring tools
- Case studies on industrial retrofits, building upgrades, and public sector efficiency programs

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded