



*Training Course:
Energy Audit & Management*

*31 January - 4 February 2027
Sharm El-Sheikh (Egypt)
Sheraton Sharm Hotel*

Training Course: Energy Audit & Management

Training Course code: EN9072 From: 31 January - 4 February 2027 Venue: Sharm El-Sheikh (Egypt) - Sheraton Sharm Hotel Training Course Fees: 5100 € Euro

Introduction

Energy auditing and management are essential practices for organizations aiming to reduce energy consumption, lower operational costs, and enhance sustainability. By systematically analyzing energy use and implementing efficiency measures, organizations can improve performance while minimizing environmental impact.

This program, designed by Global Horizon Training Center, equips participants with the knowledge and practical skills required to conduct energy audits, analyze energy performance, and implement effective energy management strategies in line with international best practices.

Course Objectives

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

- Understand energy auditing principles and methodologies
- Conduct different types of energy audits walk-through, detailed
- Analyze energy consumption and identify inefficiencies
- Apply energy efficiency improvement techniques
- Develop energy management systems and action plans
- Evaluate cost-saving opportunities and ROI
- Implement monitoring and reporting systems
- Ensure compliance with energy standards ISO 50001

Target Audience

This program is designed for:

- Energy and Facility Managers
- Mechanical and Electrical Engineers
- Maintenance and Operations Personnel
- Sustainability and ESG Professionals
- Project Engineers and Consultants
- Professionals involved in energy efficiency initiatives

Outline

Day 1: Fundamentals of Energy Management and Auditing

- Introduction to energy management concepts
- Types of energy audits and methodologies
- Energy consumption patterns and benchmarking
- Regulatory frameworks and standards ISO 50001
- Energy performance indicators EnPIs

Day 2: Energy Audit Techniques and Tools

- Data collection and energy measurement
- Use of energy audit instruments
- Identifying energy losses and inefficiencies
- Analysis of utility systems HVAC, lighting, motors
- Practical audit exercises

Day 3: Energy Efficiency Opportunities

- Energy-saving measures in industrial systems
- HVAC and building energy optimization
- Electrical systems and power factor improvement
- Process optimization techniques
- Renewable energy integration

Day 4: Energy Management Systems and Implementation

- Developing energy management plans
- Monitoring and targeting systems
- Data analysis and reporting
- Implementation strategies
- Organizational roles and responsibilities

Day 5: Financial Analysis, Optimization, and Case Studies

- Cost-benefit analysis and ROI calculation
- Investment planning for energy projects
- Performance monitoring and continuous improvement
- Best practices in energy management
- Case studies and real-world applications

Registration form on the Training Course: Energy Audit & Management

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