



*Training Course:
Certified Energy Manager (CEM)*

*26 - 30 July 2026
Cairo (Egypt)*

Training Course: Certified Energy Manager (CEM)

Training Course code: MA236305 From: 26 - 30 July 2026 Venue: Cairo (Egypt) - Training Course Fees: 3750 € Euro

Introduction

This program, developed by Global Horizon Training & Consultancy Center, is designed to equip participants with comprehensive knowledge and practical skills in energy management. It focuses on optimizing energy consumption, implementing efficiency strategies, and applying international standards to achieve sustainable organizational performance.

Participants will gain both theoretical understanding and hands-on experience, preparing them to become Certified Energy Managers CEM and to lead energy efficiency initiatives within their organizations.

Objectives

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

- Understand the fundamentals of energy management and its strategic role in organizations
- Identify and implement strategies to improve energy efficiency and reduce operational costs
- Analyze energy consumption using modern tools to detect optimization opportunities
- Apply international standards and regulations relevant to energy management e.g., ISO 50001, ASHRAE
- Prepare effectively for the Certified Energy Manager CEM examination

Target Audience

This program is suitable for:

- Energy Managers and Senior Engineers
- Sustainability and Environmental Specialists
- Facility, Operations, and Project Managers
- Energy Consultants
- Professionals preparing for the Certified Energy Manager CEM credential

Training Outline

Day 1 - Fundamentals of Energy Management

- Introduction to energy management and organizational importance
- Overview of energy systems: electrical, thermal, and mechanical

- Energy performance indicators and benchmarking

Day 2 - Energy Efficiency in Systems

- Optimization of lighting systems for energy savings
- HVAC and cooling system efficiency strategies
- Electrical equipment efficiency and load management techniques

Day 3 - Energy Auditing & Analysis

- Conducting a comprehensive energy audit
- Data collection, measurement tools, and analysis methods
- Identifying patterns of energy consumption and opportunities for savings

Day 4 - Renewable Energy & Sustainability

- Integration of renewable energy sources: solar, wind, and biomass
- Sustainability strategies and initiatives in organizations
- Environmental impact mitigation and emission reduction methods

Day 5 - Standards, Regulations & CEM Exam Preparation

- Overview of international energy management standards ISO 50001, ASHRAE
- Best practices in energy efficiency and management
- Review and preparation strategies for the Certified Energy Manager CEM examination

Registration form on the Training Course: Certified Energy Manager (CEM)

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