

## Certified Energy Manager (CEM)

*Manama (Bahrain)*

*9 - 13 February 2025*

UK Training

# PARTNER



## Certified Energy Manager (CEM)

Code: PS28 From: 9 - 13 February 2025 City: Manama (Bahrain) Fees: 3900 Pound

### Introduction

The Advanced Certified Energy Manager CEM course is designed to provide professionals in the field of energy management with the latest knowledge and skills necessary to excel in their roles. This comprehensive program aims to equip participants with advanced concepts and strategies in energy management, focusing on the latest technologies and best practices in the industry. The course covers a wide range of topics to enhance participants' understanding and preparedness in managing and optimizing energy systems.

### Objectives

- Gain a deep understanding of advanced concepts and principles in energy management.
- Explore the latest trends and developments in energy management technology.
- Develop advanced skills in energy asset management and performance improvement.
- Learn advanced strategies for energy efficiency and sustainability in energy systems.
- Enhance knowledge of regulatory compliance and risk management in industrial environments.
- Acquire advanced project management skills for energy management projects.
- Understand the role of data analysis and digital technology in modern energy management.
- Discover emerging technologies and innovations in the field of energy management.

### Course Outline

#### Day 1

##### Introduction to Advanced Energy Management

- Overview of advanced energy management concepts and methodologies.
- Energy management standards and frameworks.
- Energy audits and assessments.
- Energy management systems and tools.

#### Day 2

##### Advanced Energy Efficiency Strategies

- Advanced energy efficiency technologies and practices.
- Energy-efficient HVAC systems and controls.
- Lighting optimization and advanced lighting technologies.
- Building envelope optimization.

A graphic of a chessboard with several chess pieces (a king, a pawn, and a knight) on it, set against a background of concentric circles. The text 'UK Training PARTNER' is overlaid on the right side of the board.

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## Day 3

### Renewable Energy Integration

- Integration of renewable energy sources into energy systems.
- Solar photovoltaic systems and applications.
- Wind power generation and integration.
- Energy storage technologies and systems.

## Day 4

### Energy Performance Optimization

- Energy benchmarking and performance indicators.
- Advanced energy monitoring and targeting.
- Energy management in industrial processes.
- Energy management in data centers.

## Day 5

### Energy Management Project Implementation

- Energy project development and evaluation.
- Financing and funding options for energy projects.
- Measurement and verification of energy savings.
- Case studies and real-world examples of successful energy management projects.

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 International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom

 +44 7401 1773 35  
+44 7480 775526

 [training@blackbird-training.com](mailto:training@blackbird-training.com)

 [www.blackbird-training.com](http://www.blackbird-training.com)

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