

Leadership in Energy and Environmental Design -  
Accredited Professional (LEED-AP)

*Manama (Bahrain)*

*2 - 6 February 2025*

UK Training

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# Leadership in Energy and Environmental Design - Accredited Professional (LEED-AP)

Code: PM28 From: 2 - 6 February 2025 City: Manama (Bahrain) Fees: 3900 Pound

## Introduction

The Leadership in Energy and Environmental Design LEED program is one of the most widely recognized and respected green building certification systems in the world. LEED-AP certification is designed for professionals who want to demonstrate their expertise in sustainable building practices and become leaders in the field. This course is specifically tailored to provide participants with the most modern and advanced knowledge in LEED-AP, equipping them with the skills necessary to excel in sustainable design and construction.

## Course Objectives

- Understand the fundamental principles and concepts of sustainable design and green building.
- Explore the latest trends and advancements in LEED certification and sustainable building practices.
- Gain an in-depth understanding of the LEED rating system and its various categories.
- Learn how to effectively apply LEED principles and strategies in real-world projects.
- Develop the skills to navigate the LEED certification process and successfully achieve LEED-AP accreditation.
- Explore advanced topics in sustainable building and energy efficiency, such as net-zero energy design, water conservation, and indoor environmental quality.
- Understand the economic and social benefits of green building and sustainable design.
- Gain insights into the latest technologies and innovations in sustainable building materials and systems.

## Course Outline

### Day 1

#### Introduction to LEED and Sustainable Design

- Overview of the LEED rating system and its evolution
- Introduction to sustainable design principles and their importance
- Understanding the environmental and social impacts of the built environment
- Exploring the business case for green building and LEED certification

### Day 2

#### LEED Rating System and Categories

- In-depth exploration of the LEED rating system and its categories
- Understanding the prerequisites and credits for each LEED category
- Strategies for achieving LEED certification in different project types
- Case studies of successful LEED-certified projects

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

#### Applying LEED Principles in Design and Construction

- Integrating sustainable design strategies into the project planning phase
- Strategies for energy efficiency and renewable energy integration
- Water conservation and management techniques in building design
- Enhancing indoor environmental quality and occupant comfort

### Day 4

#### LEED Certification Process and Documentation

- Step-by-step guide to the LEED certification process
- Documentation requirements and best practices for LEED projects
- Strategies for effective project management and coordination
- Reviewing LEED credit documentation templates and tools

### Day 5

#### Advanced Topics in Sustainable Building

- Net-zero energy design and renewable energy systems
- Innovations in green building materials and technologies
- Sustainable site development and land use planning
- Emerging trends and future directions in LEED and sustainable design

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- Supply Chain & Logistics
- Management & Leadership
- Agile and Refinement

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- Law and Contract Management
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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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