

## Building Services Management and Maintenance

*Barcelona (Spain)*

*15 - 19 February 2027*

UK Training

**PARTNER**

## Building Services Management and Maintenance

Code: LM32 From: 15 - 19 February 2027 City: Barcelona (Spain) Fees: 5200 Pound

### Introduction

The Building Services Management and Maintenance course provides a comprehensive and practical understanding of how building services systems are managed, operated, and maintained across residential, commercial, and institutional facilities. Effective management of building services is essential to ensure safety, operational efficiency, system reliability, regulatory compliance, and long-term sustainability.

This course is designed for professionals involved in facilities management, engineering, maintenance, and operations who are responsible for overseeing mechanical, electrical, plumbing, fire protection, and vertical transportation systems. Participants will gain structured knowledge of building services systems, maintenance strategies, asset management, and best practices that support uninterrupted building operations and optimal performance throughout the asset lifecycle.

### Course Objectives

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

- Understand the principles, functions, and components of building services systems.
- Manage mechanical, electrical, and plumbing systems effectively within buildings.
- Apply preventive and corrective maintenance strategies to improve system reliability.
- Enhance operational efficiency and reduce unplanned downtime.
- Ensure compliance with safety standards, codes, and regulatory requirements.
- Implement structured maintenance management and asset management practices.

### Course Outlines

The course is delivered over five training days, with each day focusing on a core aspect of building services management and maintenance.

#### Day One: Fundamentals of Building Services

- Overview of building services and their role in facility and property operations.
- Introduction to mechanical, electrical, and plumbing systems in buildings.
- Core principles of building services design and integration.
- Applicable codes, standards, and regulatory requirements.
- Introduction to maintenance management concepts and strategies.

#### Day Two: Heating, Ventilation, and Air Conditioning Systems Management

- Key components and functions of heating, ventilation, and air conditioning systems.
- System operation, performance monitoring, and efficiency indicators.
- Energy efficiency and optimization techniques in HVAC systems.

The logo for UK Training Partner features the text 'UK Training' in a smaller font above the word 'PARTNER' in a large, bold, sans-serif font. The text is positioned over a background of a chessboard with several chess pieces (a king, a pawn, and a knight) and a circular ripple effect.

- Common faults, failures, and troubleshooting concepts.
- Preventive maintenance planning and scheduling for HVAC systems.

### Day Three: Electrical and Lighting Systems Management

- Electrical distribution systems and power supply within buildings.
- Lighting systems, controls, and energy-efficient technologies.
- Power quality, electrical safety, and protection systems.
- Inspection, testing, and compliance requirements.
- Maintenance planning and documentation for electrical systems.

### Day Four: Plumbing, Fire Protection, and Vertical Transportation Systems

- Water supply, drainage, and sanitation systems.
- Fire detection, alarm, and firefighting systems.
- Pumps, valves, and associated control systems.
- Elevators and escalators: operational principles and safety requirements.
- Maintenance coordination, contractor interface, and safety considerations.

### Day Five: Building Services Maintenance Management

- Maintenance policies, procedures, and asset management frameworks.
- Preventive versus corrective maintenance approaches.
- Maintenance documentation, reporting, and performance tracking.
- Contractor management and service-level agreements.
- Sustainability, lifecycle costing, and continuous improvement in building services.

### Why Attend This Course: Wins & Losses!

- Gain a structured understanding of building services systems and maintenance practices.
- Improve the reliability, safety, and efficiency of building operations.
- Strengthen preventive maintenance planning and asset management skills.
- Enhance compliance with safety standards and regulatory requirements.
- Reduce operational risks, downtime, and maintenance costs.
- Apply best practices across residential, commercial, and institutional buildings.

### Conclusion

The Building Services Management and Maintenance course delivers a comprehensive and practical framework for managing and maintaining essential building services systems. Over five days, participants develop the knowledge and skills required to oversee mechanical, electrical, plumbing, fire protection, and vertical transportation systems effectively.

By integrating maintenance management strategies, asset management principles, regulatory compliance, and sustainability considerations, this course enables professionals to improve operational performance, extend system lifecycles, and support safe, efficient, and reliable building environments.

# Blackbird Training Cities

## EUROPE



Malaga (Spain)



Sarajevo (BiH)



Cascais (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)  
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



Florence (Italy)



Rotterdam



Bruges (Belgium)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)  
(Switzerland)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich



Manchester (UK)



Milan (Italy)

UK Training  
**PARTNER**

# Blackbird Training Cities

## USA & CANADA



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

## ASIA



Baku (Azerbaijan)  
(Thailand)



Malé (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)



Phuket (Thailand)



Shanghai (China)



Abu Dhabi (UAE)



Dammam (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)  
(Indonesia)



Kuwait City (Kuwait)



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta



UK Training  
**PARTNER**



Amman (Jordan)

UK Training  
**PARTNER**

Head Office: +44 7480 775 526  
Email: [Sales@blackbird-training.com](mailto:Sales@blackbird-training.com)  
Website: [www.blackbird-training.com](http://www.blackbird-training.com)



## Blackbird Training Cities

### AFRICA



Kigali (Rwanda)



Cape Town ( South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



## Blackbird Training Clients



UK Training  
**PARTNER**

## Blackbird Training Categories

### Management & Admin

Entertainment & Leisure  
Professional Skills  
Finance, Accounting, Budgeting  
Media & Public Relations  
Project Management  
Human Resources  
Audit & Quality Assurance  
Marketing, Sales, Customer Service  
Secretary & Admin  
Supply Chain & Logistics  
Management & Leadership  
Agile and Elevation

### Technical Courses

Artificial Intelligence (AI)  
Sustainability, ESG & Corporate Responsibility  
Advanced Courses  
Hospital Management  
Public Sector  
Special Workshops  
Oil & Gas Engineering  
Telecom Engineering  
IT & IT Engineering  
Health & Safety  
Law and Contract Management  
Customs & Safety  
Aviation  
C-Suite Training