

Infrastructure Asset Management

Baku (Azerbaijan)

1 - 5 March 2027

UK Training

PARTNER



Infrastructure Asset Management

Code: PM32 From: 1 - 5 March 2027 City: Baku (Azerbaijan) Fees: 5200 Pound

Introduction

Infrastructure assets—such as roads, bridges, utilities, transportation, and energy systems—form the backbone of modern economies. Managing these assets effectively is essential to ensure safety, optimize performance, enhance sustainability, and deliver long-term value.

This training course provides a structured and integrated approach to infrastructure asset management. It covers asset lifecycle management, risk assessment, data-driven decision-making, and sustainable investment planning. By combining technical insight with practical application, the course enables participants to align infrastructure performance with organizational objectives, policy priorities, and long-term community needs.

Course Objectives

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

- Understand the principles and frameworks of infrastructure asset management
- Develop and implement Strategic Asset Management Plans SAMP
- Apply asset lifecycle planning and performance optimization techniques
- Utilize risk management, cost analysis, and asset valuation methods
- Leverage data analytics and digital tools for decision-making
- Integrate sustainability and resilience into asset management strategies
- Analyze real-world case studies across infrastructure sectors

Course Outlines

Day 1: Foundations of Infrastructure Asset Management

- Define infrastructure assets and their strategic importance
- Understand the evolution from maintenance to lifecycle management
- Apply ISO 55000 standards and integrated asset management principles
- Use key performance indicators KPIs for value-driven decisions
- Practical application: building an asset management framework

Day 2: Asset Lifecycle Planning & Optimization

- Explore asset lifecycle phases: acquisition, operation, maintenance, renewal
- Conduct condition assessment and performance evaluation
- Prioritize investments for maintenance and replacement
- Balance short-term costs with long-term value
- Workshop: developing a lifecycle cost model

Day 3: Risk, Reliability & Data Management

A graphic featuring the text 'UK Training PARTNER' in a bold, sans-serif font. The background consists of concentric circles and a chessboard pattern with several chess pieces (a king, a queen, a rook, and a pawn) in gold and silver.

- Identify and manage asset-related risks
- Apply reliability-centered maintenance RCM strategies
- Manage data collection, quality, and integration
- Use digital tools such as GIS, BIM, and IoT
- Simulation: risk-based maintenance planning

Day 4: Financial Management & Sustainability

- Apply asset valuation and depreciation methods
- Understand budgeting and infrastructure funding models
- Perform lifecycle cost analysis LCCA and total cost of ownership TCO
- Integrate sustainability and resilience into investment decisions
- Case study: sustainable infrastructure financing

Day 5: Strategic Planning, Governance & Future Trends

- Develop and implement Strategic Asset Management Plans SAMP
- Understand governance structures and accountability
- Engage stakeholders and enhance collaboration
- Explore smart infrastructure, digital twins, and innovation
- Group project: designing an asset management strategy

Why Attend This Course: Wins & Losses!

- Gain a comprehensive understanding of modern infrastructure asset management
- Strengthen analytical, financial, and strategic decision-making skills
- Apply international standards such as ISO 55000 effectively
- Build confidence in leading asset management initiatives
- Improve infrastructure performance and cost-efficiency
- Enable data-driven and risk-based decision-making
- Support long-term value creation and sustainability goals

Conclusion

In today's complex infrastructure landscape, traditional management approaches are no longer sufficient. Organizations need advanced strategies that combine analytical thinking, strategic planning, and data-driven decision-making.

This training course delivers a comprehensive learning experience that bridges theory and real-world application. It equips participants with the knowledge and practical skills required to manage infrastructure assets efficiently, enhance performance, and support strategic objectives.

By the end of the course, participants will be prepared to lead asset management initiatives and drive sustainable value across infrastructure systems, contributing to long-term organizational and economic growth.

The graphic shows the text 'UK Training' in a small, black, sans-serif font above the word 'PARTNER' in a large, bold, black, sans-serif font. The text is positioned over a background of concentric circles and a chessboard pattern. In the foreground, there are three chess pieces: a silver pawn, a silver knight, and a gold king, standing on the chessboard squares.

UK Training
PARTNER

Blackbird Training Clients

 MANNAI CORPORATION MANNAI Trading Company WLL, Qatar	 GAC UNE FILIALE D' EGA Alumina Corporation Guinea	 Booking.com Booking.com Netherlands	 OXFAM Oxfam GB International Organization, Yemen	 Capital Markets Authority Kuwait
 Waltersmith Waltersmith Petroman Oil Limited Nigeria	 QNB Qatar National Bank (QNB), Qatar	 Qatar Foundation Qatar	 AFRICAN UNION ADVISORY BOARD ON CORRUPTION Tanzania	 KFAS KFS Kuwait
 Reserve Bank of Malawi Malawi	 Central Bank of Nigeria Nigeria	 Ministry of Interior Kingdom of Saudi Arabia KSA	 Mabruk Oil Company Libya	 Saudi Electricity Company KSA
 BPKH Badan Pengelola Keuangan Haji BADAN PENGELOLA KEUANGAN Haji, Indonesia	 NATO Italy	 ENI ENI CORPORATE UNIVERSITY, Italy	 GULF BANK Gulf Bank Kuwait	 General Organization for Social Insurance KSA
 Defence Space Administration Nigeria	 National Industries Group (Holding) Kuwait	 Hamad Medical Corporation Qatar	 USAID Pakistan	 STC STC Solutions, KSA
 North Oil Company North Oil company,	 EKO Electricity EKO Electricity	 OMAN BROADBAND Oman Broadband	 UNITED NATIONS UN.	 Authority for Electricity Regulation, Oman Authority for

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