

Strategic Leadership in Mineral Exploration and Geological Survey

Barcelona (Spain)

24 - 28 August 2026

UK Training

PARTNER



Strategic Leadership in Mineral Exploration and Geological Survey

Code: LM32 From: 24 - 28 August 2026 City: Barcelona (Spain) Fees: 5200 Pound

Introduction

Mineral exploration and geological surveying form the backbone of successful mining projects, where investment decisions depend heavily on the accuracy of geological data and the efficiency of its analysis. With the rapid evolution of modern technologies such as Artificial Intelligence AI, Geographic Information Systems GIS, and Remote Sensing, there is an increasing need for leaders who can guide exploration activities with a strategic vision grounded in scientific insight and advanced data analysis.

This course offers an in-depth understanding of leadership in managing mineral exploration and geological survey projects. It highlights global best practices, geological and geophysical data analysis, strategic decision-making, and effective management of multidisciplinary technical teams—supported by real-world case studies from international mining projects.

Course Objectives

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

- Understand the leadership role in mining and mineral exploration projects
- Analyze and evaluate mineral exploration strategies effectively
- Oversee and interpret geological survey operations strategically
- Assess geological and geophysical data to support decision-making
- Understand the latest mineral exploration technologies
- Manage multidisciplinary technical teams efficiently
- Analyze risks and make data-driven investment decisions

Course Outlines

Day 1: Leadership in the Mineral Exploration Sector

- Leadership concepts in modern mining projects
- The leader's role across exploration phases
- Strategic challenges in the mining industry
- Linking geology with investment decision-making
- Case study: Success and failure in global exploration projects

Day 2: Mineral Exploration Strategies

- Designing modern exploration strategies
- Selecting target areas using geological data
- Evaluating mining opportunities and minimizing risks
- Integrating multi-source data into decisions
- Case study: Selecting a successful mining site

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

UK Training
PARTNER

Day 3: Leading Geological Survey Operations

- Leadership in managing geological surveys
- Strategic interpretation of geological maps
- Analyzing survey results without deep technical complexity
- Ensuring quality of geological data
- Case study: Regional geological survey analysis

Day 4: Modern Technologies and Decision-Making

- Applications of AI, GIS, and Remote Sensing in exploration
- Leveraging Big Data in mining operations
- Digital transformation in the mining sector
- Decision support using analytical models
- Case study: Discovering resources through technology

Day 5: Governance, Risk, and Strategic Leadership

- Risk management in mineral exploration projects
- Governance and sustainability in mining
- Decision-making under uncertainty
- Building high-performance teams
- Final case study: Comprehensive leadership analysis

Why Attend this Course: Wins & Losses!

- Strengthen your strategic leadership in mining
- Enhance your ability to interpret geological data and make informed decisions
- Stay updated with the latest exploration technologies and global trends
- Learn from real-world case studies in mining projects
- Improve your ability to manage investment risks effectively.

Conclusion

This course equips participants with a comprehensive strategic perspective on leading mineral exploration and geological survey projects. It emphasizes data-driven decision-making, risk management, and the effective use of modern technologies to enhance operational efficiency.

By combining practical insights with global case studies, participants will gain a clear understanding of industry challenges and opportunities—enabling them to lead with confidence and deliver more sustainable and successful mining outcomes.

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a knight) positioned on it. The text 'UK Training' is written in a small, black, sans-serif font above the word 'PARTNER', which is in a large, bold, black, sans-serif font.

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 Ministry of Interior, 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	 الصناعات الوطنية (القابضة) National Industries Group (Holding), Kuwait	 Hamad Medical Corporation Qatar	 USAID Pakistan	 STC STC Solutions, KSA
 North Oil Company North Oil company,	 EKO EKO Electricity	 OMAN BROADBAND Oman Broadband	 UNITED NATIONS UN,	 هيئة تنظيم الكهرباء - عمان 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