

Corrosion Control & Management

Dubai (UAE)

16 - 20 May 2027

UK Training

PARTNER



Corrosion Control & Management

Code: OG32 From: 16 - 20 May 2027 City: Dubai (UAE) Fees: 4900 Pound

Introduction

Corrosion control & management is a critical discipline focused on protecting assets, maintaining operational reliability, and extending the service life of equipment and infrastructure. Corrosion, if left unmanaged, can lead to asset degradation, safety risks, unexpected failures, and increased operational costs. Effective corrosion management relies on understanding corrosion mechanisms, assessing risks, and applying structured prevention and control measures.

This course is designed for executives, team leaders, and professionals across different departments, as well as early- and mid-career employees who are involved in asset management, maintenance planning, quality oversight, or operational decision-making. It is suitable for individuals seeking a clear and practical understanding of how corrosion impacts assets and how it can be systematically controlled.

The course provides practical value by linking corrosion fundamentals with real operational practices. Participants gain the ability to recognize corrosion risks, apply suitable control methods, and support decisions that improve asset reliability and long-term performance.

Course Objectives

This course aims to build structured knowledge and practical awareness of corrosion control and management through the following objectives:

- Understand the basic principles and mechanisms of corrosion.
- Identify common types of corrosion affecting assets.
- Recognize factors that accelerate corrosion processes.
- Apply corrosion control and prevention techniques.
- Analyze typical corrosion-related failures.
- Understand the role of maintenance in corrosion management.
- Use performance indicators to monitor corrosion control effectiveness.
- Support informed technical and managerial decision-making.

Course Outlines

Day One: Fundamentals of Corrosion and Control Principles

- Definition of corrosion and its impact on assets.
- Basic scientific principles of corrosion.
- Difference between general and localized corrosion.
- Influence of operating environments on corrosion.
- Organizational roles in corrosion control.
- Review of simple applied examples.



Day Two: Types of Corrosion and Damage Mechanisms

- Uniform corrosion and localized corrosion.
- Chemical and electrochemical corrosion processes.
- Stress-related corrosion mechanisms.
- Corrosion in wet and dry environments.
- Analysis of recurring corrosion issues.
- Practical exercise on corrosion type identification.

Day Three: Corrosion Prevention and Protection Methods

- Protective coatings and surface treatments.
- Material selection to reduce corrosion risk.
- Design considerations for corrosion prevention.
- Electrochemical protection methods.
- Preventive maintenance strategies.
- Applied case study discussion.

Day Four: Inspection, Monitoring, and Data Management

- Importance of regular corrosion inspections.
- Common tools used for corrosion detection.
- Recording and analyzing corrosion data.
- Linking inspection results to maintenance planning.
- Role of reporting in decision support.
- Review of structured inspection records.

Day Five: Evaluation and Continuous Improvement

- Comprehensive review of course concepts.
- Evaluation of corrosion control programs.
- Identification of weaknesses and areas for improvement.
- Development of practical improvement plans.
- Review of evaluation results.
- Final applied activity.

Why Attend This Course: Wins & Losses!

- Clear and structured understanding of corrosion phenomena.
- Practical content applicable to real work environments.
- Reduction of asset degradation and failure risks.
- Improved asset reliability and service life.
- Stronger support for technical decision-making.
- Better coordination between maintenance and operations.
- Increased professional awareness of corrosion risks.
- Support for sustainable asset performance.

Conclusion





The Corrosion Control & Management course provides a practical and well-structured framework for understanding and managing one of the most significant threats to asset integrity. The content is designed to be clear, balanced, and suitable for professionals with moderate experience, without unnecessary complexity.

By focusing on corrosion mechanisms, prevention techniques, inspection practices, and continuous improvement, the course helps participants reduce corrosion-related risks and improve asset performance. It also supports the integration of technical knowledge with organizational objectives, contributing to safer operations, controlled costs, and more reliable assets over the medium and long term.

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
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



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



المؤسسة العامة للتأمينات الاجتماعية
General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



هيئة تنظيم الكهرباء - عمان
Authority for
Electricity Regulation, Oman

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

