

## Asset Integrity Management for the Petroleum Industry

*Amman (Jordan)*

*23 - 27 November 2025*

UK Training

# PARTNER



## Asset Integrity Management for the Petroleum Industry

Code: OG28 From: 23 - 27 November 2025 City: Amman (Jordan) Fees: 4000 Pound

### Introduction

An Asset Integrity Management AIM program provides a backbone for operations by incorporating design, maintenance, inspection, process, operations, and management concepts to ensure optimal return on investments. This course focuses on the concept of AIM i.e., design, technical, and operational integrity in safeguarding operational systems. We will explore methodologies such as Reliability-Centered Maintenance RCM, Failure Mode Effect and Criticality Analysis FMECA, Risk-Based Maintenance RBI, inspection of static process equipment, and maintenance planning of rotating equipment. The course will also address challenges related to the human factor, effective project management strategies, and more.

### Course Objectives

- Manage assets in the petroleum industry in a safe, sustainable manner to optimize performance.
- Assess and control Asset Integrity in operational assets across production and process systems.
- Perform Asset Integrity Management for both topside and subsea systems.
- Understand the overall asset process from a systems engineering perspective.
- Leverage adaptive technologies and techniques in engineering projects for more efficient Asset Integrity.

### Course Outlines

#### Day 1: Introduction to Asset Integrity Management AIM

- Understanding the fundamentals of Asset Integrity Management AIM.
- Asset Management Landscape Process Model.
- Overview of the Asset Management System: Policies, strategies, and management plans.
- Introduction to ISO 55000 and international standards for Asset Management.
- Importance of certifications and the role of asset management.

#### Day 2: Risk and Risk Assessment in Asset Integrity

- Key approaches used for managing Asset Integrity.
- Identifying and assessing risks: Using the risk matrix, risk register, and hazard logs.
- Risk management across business, system, and asset levels.
- Various methodologies for risk assessment and contingency planning.

#### Day 3: Risk-Based Maintenance RBM & Reliability-Centered Maintenance RCM

- Understanding deterioration and failure modes of assets.
- The seven steps of Risk-Based Maintenance RBM and Reliability-Centered Maintenance RCM, including Failure Mode Effects and Criticality Analysis FMECA.



- Failure behaviors of onshore and offshore systems.
- Choosing the right maintenance task and strategy.
- Risk-Based Inspection and practical applications.

#### Day 4: Life Cycle Management Aspects

- Asset lifecycle management: Ensuring the sustainability of assets throughout their lifecycle.
- Introduction to Systems Engineering and RAMS specifications.
- Operational workflow and performance measurement.
- Extending asset life through effective maintenance and management.
- Key Performance Indicators KPIs for monitoring asset performance.

#### Day 5: The Way Forward - Asset Integrity Improvement Plan

- Assessing current Asset Integrity Management performance.
- Drawing up an improvement plan to optimize costs and benefits.
- Developing individual improvement plans for better asset management.

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

- Comprehensive knowledge of Asset Integrity Management AIM and how it impacts operational performance.
- Practical expertise in Risk-Based Maintenance RBM, Reliability-Centered Maintenance RCM, and Failure Mode Effects and Criticality Analysis FMECA.
- Mastery of Asset Lifecycle Management and understanding its role in improving asset sustainability.
- Familiarity with international Asset Management standards like ISO 55000 and how to implement them.
- The ability to formulate Asset Integrity Improvement Plans that balance cost and performance effectively.

#### Conclusion

By the end of this Asset Integrity Management AIM course, participants will have the knowledge and skills required to enhance asset performance, safeguard asset integrity, and achieve optimal operational efficiency. You will be equipped with the tools to assess, maintain, and manage assets effectively in the oil & gas industry, reducing risks and increasing returns.

With a strong focus on Risk-Based Maintenance, RCM, and FMECA, you will also learn how to extend asset lifecycles and ensure compliance with international standards. This course is essential for anyone looking to optimize their asset management strategies and improve their organization's operational success.



# Blackbird Training Cities

## Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



Florence (Italy)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



## 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)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)  
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut





## 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



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  
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)  
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



International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom



+44 7401 1773 35  
+44 7480 775526



[Sales@blackbird-training.com](mailto:Sales@blackbird-training.com)



[www.blackbird-training.com](http://www.blackbird-training.com)

