

Asset Integrity Management for the Petroleum Industry

Boston, Massachusetts (USA)

6 - 10 April 2026

UK Training

PARTNER



Asset Integrity Management for the Petroleum Industry

Code: OG28 From: 6 - 10 April 2026 City: Boston, Massachusetts (USA) Fees: 6400 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)



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)
Korea



Phuket (Thailand)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Seoul (South)



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



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.



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

 www.blackbird-training.com

