# Certified ISO 31000 Lead Risk Manager

12 – 16 September 2027
Cairo (Egypt)

UK Traininig
PARTNER



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## Introduction

An Asset Integrity Management AIM program is vital for ensuring the safety, reliability, and sustainability of operational systems, particularly in the oil and gas industry. AIM integrates design, maintenance, inspection, and management processes to optimize asset performance, mitigate risks, and ensure compliance with international standards such as iso 31000 certification. This course provides in-depth training on AIM, focusing on tools like Risk-Based Maintenance RBM, Failure Mode and Criticality Analysis FMECA, and integrated management systems, empowering professionals to maintain asset integrity effectively throughout the lifecycle.

## Course Objectives

Participants will gain the knowledge and skills to:

- Define and apply asset integrity management concepts in real-world scenarios aligned with iso 31000 certification standards.
- Ensure the safety and sustainability of assets in the petroleum industry.
- Utilize risk-based maintenance and inspection techniques to minimize failures.
- Implement lifecycle management strategies for assets.
- Optimize maintenance and inspection schedules to achieve cost-effective operations.
- Adapt innovative technologies for enhancing asset lifecycle management.

## Course Outlines

### Day 1: Fundamentals of Asset Integrity Management iso 31000 certification

- Introduction to Asset Integrity Management AIM.
- Understanding the ISO 55000 standard for asset management.
- Developing asset management strategies and policies.
- Roles and responsibilities in asset management.
- Overview of the integrated management system and its benefits.

### Day 2: Risk and Risk Assessment in AIM

- Identifying and assessing risks in oil and gas assets.
- Understanding the risk matrix, risk register, and hazard logs.
- Mitigating risks at the business, system, and asset levels.
- Contingency planning for effective risk management.



### Day 3: Advanced Maintenance Strategies

- Introduction to Risk-Based Maintenance RBM and Reliability-Centered Maintenance RCM.
- Conducting Failure Mode and Effects Analysis FMECA.
- Practical application of Risk-Based Inspection RBI.
- Case studies from pipeline integrity management and offshore systems.

### Day 4: Asset Lifecycle Management

- Exploring the asset lifecycle in engineering systems.
- Implementing Systems Engineering & RAMS specifications.
- Techniques for asset performance measurement and KPI optimization.
- Strategies for asset lifetime extension.

### Day 5: Improvement Planning and Future Strategies

- Assessing current performance in asset management systems.
- Developing individual improvement plans for integrated petroleum reservoir management.
- Optimizing cost-benefit analyses in asset lifecycle management.
- Strategic insights into pipeline integrity management.

## Why Attend This Course? Wins & Losses!

- Gain comprehensive expertise in asset integrity management training, enhancing your career in the petroleum industry.
- Learn advanced techniques to reduce downtime and improve operational efficiency.
- Master asset lifecycle management, increasing system reliability and cost-effectiveness.
- Achieve certification that validates your knowledge and skills in asset integrity and integrated management systems.

## Conclusion

This Asset Integrity Management course is designed to address the challenges of maintaining assets in the oil and gas industry while ensuring sustainability, safety, and cost-effectiveness. By enrolling, participants will gain essential knowledge, practical skills, and an internationally recognized **iso 31000 certification** to excel in asset management. Whether you are a petroleum operations manager or a professional in asset integrity, this course will empower you to deliver exceptional results.

**Take the step toward mastering asset integrity management training and securing your role as a leader in the petroleum industry!**

