



Maintenance & Reliability Management

# **IAM Certificate in Asset Management (IAM Cert)**

## Course Introduction

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The IAM Certificate in Asset Management is designed to provide participants with the essential concepts, principles, and practices of Asset Management. This course will encompass five modules that will discuss:

- The Principles of Asset Management
- Asset Management Policy, Strategy and Planning
- Managing Asset Life Cycle Decisions and Activities
- Assessing and Managing Asset Management Risks
- The Financial and Business Impact of Asset Management

## Target Audience

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- Facilities Engineer
- Facilities Engineering Manager
- Facilities Manager
- Facilities Specialist / Coordinator
- Health and Safety Engineer
- Maintenance Group Leader
- Maintenance Helper / Assistant
- Maintenance Manager
- Maintenance Superintendent
- Maintenance Supervisor
- Mechanical Reliability Engineer
- Network Reliability Engineer
- Operations and Maintenance Specialist
- Reliability Engineer

# Learning Objectives

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- Gain a comprehensive understanding of the concept of Asset Management (AM) as well as AM policy, strategy, objectives and plans within their organizations
- Recognize the asset lifecycle and the role of appropriate tools to optimize the performance, risk and cost of assets
- Conduct asset-related risk identification, analysis, management processes, and contingency planning
- Determine the information and performance measures needed for effective asset management, and evaluate the impact of asset information systems
- Explore and understand the financial implications of asset and asset management decisions for their organization, and translate technical issues into business implications

# Course Outline

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## • 01 DAY ONE

### **Principles of Asset Management (AM)**

- Introduction to AM
- International Standards – ISO 55001
- Overview of good practice
- Organizational context and stakeholder needs
- Converting business plans to asset plans
- The strategic AM plan
- AM policy
- Needs and capabilities of the assets

## • 02 DAY TWO

## **The Asset Lifecycle**

- Introducing the Asset Lifecycle
- Design and acquisition
- Commissioning and handover
- A Strategic approach to operations and maintenance
- Understanding and managing failures – Introduction to tools and techniques
- Root Cause Analysis (RCA)
- Failure Mode and Effect Analysis
- Managing 'random' failure
- Spares management
- Decommissioning, disposal and renewal
- Asset life cycle strategies – Alignment and optimization
- Developing and optimizing AM plans
- Constraints and shutdown optimization

### **• 03 DAY THREE**

#### **Planning, Risk Management, and Decision Making**

- Delivering plans
- Capital
- Operations and maintenance
- Managing resources and change
- Outsourcing and supply chain management
- Risk management
- Asset criticality
- Contingency planning
- Value and risk-informed decision making
- Asset Management decision making – Principles and approach
- Techniques for working uncertain or sparse data
- Life Cycle Costing (LCC)
- Introduction
- Evaluation of options

### **• 04 DAY FOUR**

#### **Asset Management Enablers**

- Asset information – Overview

- Asset data – Fundamentals
- Dynamic data - Condition and performance
- Collecting and using tacit information
- Information systems – Introduction and overview
- Organizational structures for AM
- Assessing and developing AM competencies
- Leadership in AM

## • 05 DAY FIVE

### Evaluation and Continual Improvement

- Successful changing organizations
- Communication and culture change
- Performance evaluation
- Developing and using performance indicators
- Continual improvement
- Governance and assurance for asset management – Auditing and management review
- Maturity beyond ISO55000

## Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Sept. 1, 2025	Sept. 5, 2025	5 days	4250.00 \$	UAE - Dubai
Dec. 1, 2025	Dec. 5, 2025	5 days	4250.00 \$	UAE - Dubai
Nov. 10, 2025	Nov. 14, 2025	5 days	4250.00 \$	UAE - Dubai