

LIFE CYCLE MANAGEMENT

"Maximizing Asset Value and Performance Across the Entire Life Cycle"

Schedule

Date	Venue	Fees (Face-to-Face)
03 - 07 May 2026	Manama, Bahrain	USD 3495 per delegate
24 - 28 Aug 2026	London, UK	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

This 5-day course offers an in-depth exploration of Life Cycle Management (LCM), focusing on strategies to optimize the performance, cost-efficiency, and sustainability of assets from acquisition to disposal. Participants will learn to integrate maintenance, operations, and engineering efforts to ensure long-term value.

Objectives

By the end of this course, participants will be able to:

- Understand the key stages of asset life cycles.
- Apply life cycle costing and performance analysis.
- Develop strategies for long-term asset optimization.
- Integrate sustainability and risk management into decision-making.
- Implement effective data-driven maintenance and reliability practices.

Why Attend

- Enhance your ability to maximize asset ROI over its life span.
- Learn best practices for balancing cost, risk, and performance.
- Gain practical tools to improve reliability and extend asset life.
- Strengthen cross-functional collaboration between departments.
- Build organizational resilience through proactive asset management.

Target Audience

This program is designed for:

- Maintenance and reliability managers.
- Asset managers and engineers.
- Operations and production managers.
- Project and facility managers.
- Anyone involved in asset planning and optimization.

Individual Benefits

Key competencies that will be developed include:

- Life cycle cost analysis.
- Reliability-centered maintenance (RCM).
- Performance benchmarking and optimization.
- Risk-based decision-making.
- Sustainable asset management practices.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved cost control and asset utilization.
- Reduced downtime and maintenance costs.
- Enhanced operational reliability and efficiency.
- Alignment of asset strategy with corporate goals.
- Stronger compliance with safety and environmental standards.

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Expert Presentations – Core LCM frameworks and strategies.
- Case Studies – Real-world examples of asset management success.
- Hands-on Exercises – Applying LCM tools to participant scenarios.
- Interactive Discussions – Peer learning and experience sharing.
- Action Planning – Creating an asset improvement roadmap.

Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to Life Cycle Management

- Module 1: LCM Principles and Frameworks
- Module 2: Life Cycle Costing and Value Optimization
- Module 3: Stakeholder Engagement and Planning

Day 2: Reliability and Maintenance Strategies

- Module 1: Reliability-Centered Maintenance (RCM)
- Module 2: Condition-Based and Predictive Maintenance
- Module 3: Maintenance Planning and Scheduling

Day 3: Performance Measurement and Improvement

- Module 1: KPIs and Performance Benchmarks
- Module 2: Root Cause Analysis and Continuous Improvement
- Module 3: Aligning Asset Performance with Business Goals

Day 4: Risk, Sustainability, and Compliance

- Module 1: Risk Assessment and Mitigation
- Module 2: Environmental and Sustainability Considerations
- Module 3: Regulatory and Safety Compliance

Day 5: Integration and Roadmap Development

- Module 1: Integrating Data and Digital Tools
- Module 2: Developing an LCM Strategy
- Module 3: Action Planning and Next Steps

Certification

Participants will receive a Certificate of Completion in Life Cycle Management, demonstrating their mastery in optimizing assets for long-term organizational success.

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