

Consulting and Training | Reach New Heights

Course Name

Asset Lifecycle Management

Sector Name

Maintenance & Reliability Management

Document Type

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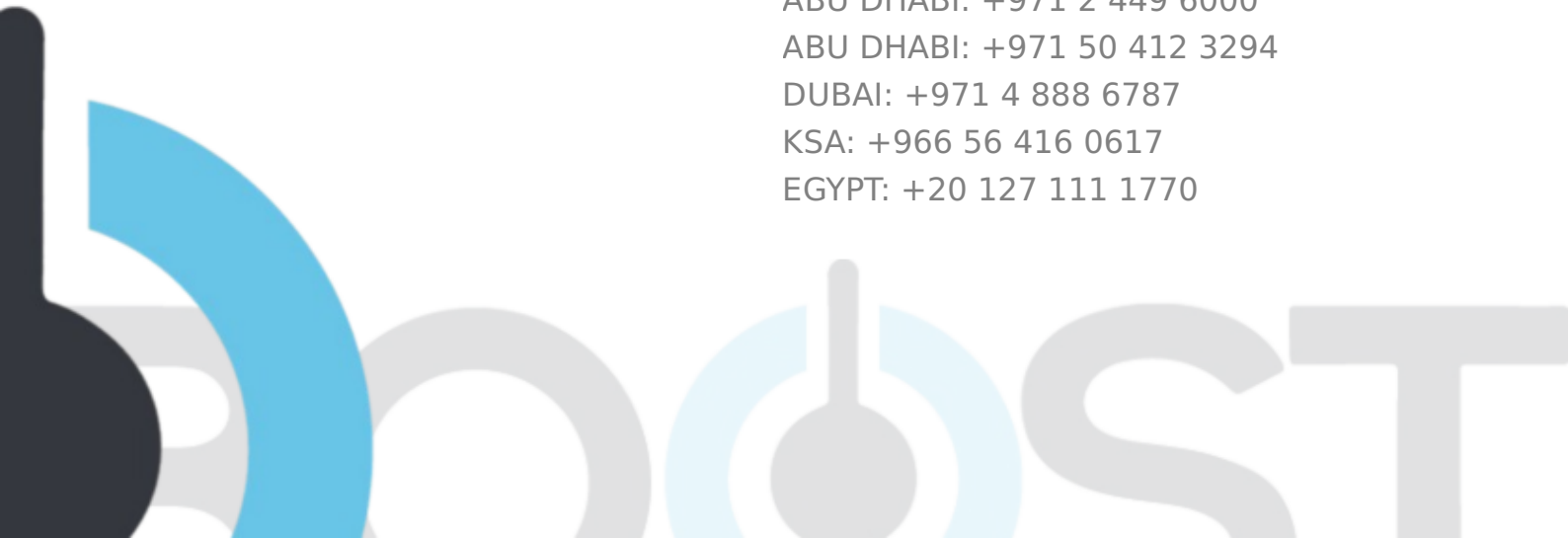
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Asset Lifecycle Management

Course Introduction

Managing assets effectively throughout their entire lifecycle is essential for maximizing organizational value, improving operational reliability, and optimizing investment decisions. Rather than viewing assets as standalone resources, Asset Lifecycle Management adopts a strategic approach that covers every stage—from planning and acquisition to operation, maintenance, renewal, and final disposal. By integrating lifecycle thinking into asset management, organizations can extend asset life, reduce total ownership costs, improve performance, minimize operational risks, and support long-term business sustainability.

Designed by **Boost Consulting & Training**, this comprehensive program equips participants with the knowledge, practical methodologies, and international best practices required to effectively manage assets throughout their lifecycle. Participants will learn how to develop lifecycle strategies, make informed investment decisions, optimize asset performance, coordinate maintenance and renewal activities, evaluate lifecycle costs, and establish governance practices that ensure assets continue delivering value throughout their operational life.



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Asset Lifecycle Management

Target Audience

- ✓ Asset Managers
- ✓ Facilities Managers
- ✓ Maintenance Managers and Engineers
- ✓ Operations Managers
- ✓ Infrastructure and Asset Planning Professionals
- ✓ Professionals responsible for managing organizational assets throughout their lifecycle

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Asset Lifecycle Management

Learning Objectives

- ✓ Understand the principles and stages of Asset Lifecycle Management.
- ✓ Develop lifecycle strategies that maximize asset value and operational performance.
- ✓ Apply lifecycle costing techniques to support investment and replacement decisions.
- ✓ Optimize asset operation, maintenance, and renewal throughout the asset lifecycle.
- ✓ Measure lifecycle performance using appropriate operational and financial indicators.
- ✓ Establish governance practices that support sustainable asset management and informed decision-making.

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Asset Lifecycle Management

Course Outline

✓ Day 01

Foundations of Asset Lifecycle Management

Asset Lifecycle Principles

- ✓ Understanding the asset lifecycle approach
- ✓ Strategic importance of lifecycle management
- ✓ International standards and best practices

Lifecycle Stages

- ✓ Asset planning and acquisition
- ✓ Asset operation and utilization
- ✓ Renewal and end-of-life considerations

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Course Outline

✓ Day 02

Lifecycle Planning and Investment Decisions

Strategic Asset Planning

- ✓ Assessing business requirements
- ✓ Asset investment planning
- ✓ Selecting appropriate asset solutions

Lifecycle Cost Analysis

- ✓ Total Cost of Ownership (TCO)
- ✓ Capital and operating expenditure considerations
- ✓ Financial evaluation for lifecycle decision-making

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Course Outline

✓ Day 03

Asset Operation and Lifecycle Optimization

Operational Asset Management

- ✓ Maximizing asset utilization
- ✓ Reliability and availability management
- ✓ Integrating asset performance into daily operations

Maintenance and Renewal Strategies

- ✓ Preventive, predictive, and condition-based maintenance
- ✓ Asset rehabilitation and refurbishment
- ✓ Planning asset replacement and modernization

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Course Outline

✓ Day 04

Asset Performance and Value Enhancement

Measuring Lifecycle Performance

- ✓ Asset performance indicators
- ✓ Lifecycle benchmarking
- ✓ Performance reporting and data analysis

Continuous Asset Improvement

- ✓ Risk-based asset optimization
- ✓ Root cause analysis for asset failures
- ✓ Improving lifecycle efficiency and reducing ownership costs

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Course Outline

✓ Day 05

Asset Governance, Sustainability & Future Trends

Asset Governance and Decision-Making

- ✓ Governance frameworks for lifecycle management
- ✓ Asset risk management and compliance
- ✓ Decision-making based on lifecycle data and business priorities

Future of Asset Lifecycle Management

- ✓ Digital Asset Management platforms
- ✓ Digital Twins, Artificial Intelligence, and predictive analytics
- ✓ Developing a long-term Asset Lifecycle Management strategy for sustainable organizational performance

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Aug. 9, 2027	Aug. 13, 2027	5 days	4250.00 \$	UAE , Abu Dhabi

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