Asset Life Cycle and Maintenance Management Essentials

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Boston, Massachusetts (USA)



Asset Life Cycle and Maintenance Management Essentials

Ref: 20262878_1208416 Location: Boston, Massachusetts (USA) Fees: 5900 GBP

Course Description

This comprehensive 1-week course provides a deep dive into asset life cycle and maintenance management principles. Participants will learn strategies to optimize asset performance, reduce costs, and enhance reliability throughout the entire asset life cycle. The course covers key concepts, best practices, and practical tools for effective asset management and maintenance planning.

Learning Objectives

- Understand the stages of asset life cycle and their impact on organizational performance
- Develop effective asset management plans and maintenance strategies
- Learn techniques for optimizing asset utilization and minimizing downtime
- Gain insights into risk assessment and mitigation in asset management
- Master the use of data and analytics for informed decision-making
- Explore best practices in asset disposal and replacement planning

Course Modules

Day 1: Introduction to Asset Life Cycle Management

- Asset management fundamentals and ISO 55000 standards
- Stages of asset life cycle: planning, acquisition, operation, maintenance, disposal
- Asset management strategy and policy development
- Aligning asset management with organizational objectives

Day 2: Asset Planning and Acquisition

- Asset needs assessment and requirements analysis
- Life cycle costing and total cost of ownership
- Procurement strategies and vendor management
- Asset onboarding and commissioning best practices

Day 3: Asset Operation and Maintenance Strategies

- Maintenance philosophies: reactive, preventive, predictive, reliability-centered
- Developing effective maintenance plans and schedules
- Condition monitoring and performance optimization techniques
- Spare parts management and inventory control



Day 4: Asset Performance Management and Analytics

- Key performance indicators KPIs for asset management
- Data collection, analysis, and reporting methods
- Implementing computerized maintenance management systems CMMS
- Continuous improvement and benchmarking practices

Day 5: Risk Management and Asset Disposal

- Risk assessment and mitigation strategies in asset management
- Asset health monitoring and remaining useful life prediction
- End-of-life considerations and disposal planning
- Sustainable practices in asset management and disposal

Practical Wins for Participants

- Develop a comprehensive asset management plan for their organization
- Create a risk-based maintenance strategy to optimize asset performance
- Implement data-driven decision-making processes for asset investments
- Design a sustainable asset disposal and replacement framework

