Maintenance & Reliability Management

Asset Performance Management Best Practices

Course Introduction

This five-day course provides a comprehensive exploration of best practices in Asset Performance Management (APM). Participants will learn the importance of APM and its impact on organizational success, delve into data management and analytics, and develop maintenance strategies to enhance asset reliability. The course also covers risk management techniques and the integration of APM into organizational strategy. Through a mix of theoretical insights, practical applications, and real-world case studies, attendees will be equipped with the knowledge and tools to implement effective APM practices within their organizations.

Target Audience

This course is intended for asset managers, maintenance professionals, engineers, and organizational leaders responsible for the performance and management of physical assets.

Learning Objectives

- Recognize the fundamental principles and significance of Asset Performance Management (APM) in enhancing organizational efficiency.
- Gain expertise in managing and analyzing asset data to drive performance improvements and decision-making.
- Develop robust maintenance strategies that ensure the reliability and longevity of critical assets.
- Apply effective risk management practices to mitigate potential asset-related threats and ensure compliance.
- Integrate APM into the broader organizational strategy, fostering a culture of continuous improvement and excellence in asset management.

Course Outline

- **01 DAY ONE**

  Introduction to Asset Performance Management (APM)

  - Definition and scope of APM
  - Importance of APM in organizational success
  - Key components of APM
  - Lifecycle management of assets
  - Benefits of implementing APM
  - Current trends in APM
  - Case studies on successful APM implementation
- **02 DAY TWO**

  Asset Data Management and Analytics

  - Data collection methods for asset performance
  - Importance of data accuracy and integrity

- Data analytics techniques for APM
- Predictive analytics and machine learning applications
- Using IoT and sensors in asset data management
- Data visualization and reporting tools
- Case studies on data-driven APM

- **03 DAY THREE**

  Maintenance Strategies and Reliability

  - Preventive vs. predictive maintenance
  - Reliability-centered maintenance (RCM)
  - Condition-based maintenance (CBM)
  - Developing maintenance schedules
  - Asset reliability and availability metrics
  - Root cause analysis for asset failures

- **04 DAY FOUR**

  Risk Management in Asset Performance

  - Identifying and assessing asset-related risks
  - Risk mitigation strategies for asset management
  - Developing a risk management framework
  - Safety and compliance in asset management
  - Business continuity planning for critical assets
  - Role of insurance in asset risk management

- **05 DAY FIVE**

  Integrating APM into Organizational Strategy

  - Aligning APM with business objectives
  - Building a culture of asset performance excellence
  - Training and development for APM
  - Utilizing software solutions for APM integration
  - Performance measurement and KPIs for APM
  - Continuous improvement in APM practices

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 15, 2025	June 19, 2025	5 days	4250.00 $	Qatar - El Doha
July 14, 2025	July 18, 2025	5 days	4950.00 $	South Africa - Cape Town
Oct. 13, 2025	Oct. 17, 2025	5 days	4250.00 $	UAE - Dubai