PARTNERS IN KNOWLEDGE UK LTD
Suite No. 129
295 Chiswick High Road
LONDON W4 4HH



Advanced Facility Maintenance and Management

PIK850-0327 USA-OR-1

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Place	: Orlando	**Venue**	: Hampton Inn & Suites (7448 International Dr, Orlando, FL 32819, USA) - TBC		
Start Date	: 01-03-2027	**End Date**	: 05-03-2027	**PPP**	: £4950

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If you can't train them, you can't blame them!

Short Description:

This comprehensive training program is designed to equip facility managers, maintenance professionals, and operational leaders with advanced skills and strategies for maintaining and managing modern facilities efficiently. The program emphasises both the technical and managerial aspects of facility upkeep, covering the integration of technology, predictive maintenance, sustainability practices, risk mitigation, and cost-effective operations. Participants will engage in practical sessions, case studies, and strategic planning exercises to enhance their understanding of preventive and predictive maintenance, asset lifecycle management, energy efficiency, regulatory compliance, and the integration of smart technologies. By the end of the course, attendees will be able to implement best practices and make informed decisions to improve operational efficiency, reduce downtime, and extend asset life.

Course Overview:

Course Objectives:

- Understand the principles of advanced facility management and the latest industry trends.
- Develop and implement preventive and predictive maintenance strategies.
- Leverage data and digital tools for improved asset management and operational decision-making.
- Integrate sustainability and energy management into facility operations.
- Strengthen risk management, safety, and regulatory compliance practices.

Target Audience:

- Facility Managers.
- Maintenance Supervisors and Engineers.
- Operations Managers.
- Asset Managers.
- Health, Safety, and Environment (HSE) Officers.
- Building Services Engineers.
- Energy and Sustainability Coordinators.

Program Outline:

DAY-1: Foundations of Advanced Facility Management

1. Overview of Facility Management in the Modern Era.
2. Roles & Responsibilities in Facility Maintenance.
3. Introduction to Maintenance.
4. Strategies: Reactive, Preventive, Predictive.
5. Lifecycle Costing & Asset Management Principles.
6. KPIs & Performance Metrics for Facility Operations.

DAY-2: Maintenance Planning & Execution

1. Preventive Maintenance.
2. Planning & Scheduling.
3. Predictive Maintenance Tools & Techniques (Vibration, Thermography, Ultrasound).
4. CMMS (Computerised Maintenance Management Systems) Best Practices.
5. Spare Parts & Inventory Management.
6. Work Order Management & Documentation Standards.

DAY-3: Energy Efficiency & Sustainability

1. Energy Management in Facilities.
2. Green Building Standards (LEED, BREEAM, etc.)
3. Sustainable Maintenance Practices.
4. Indoor Environmental Quality (IEQ) & its Impact.
5. Waste Management & Water Conservation in Facilities.

DAY-4: Risk, Safety, & Compliance

1. Facility Risk Management & Business Continuity Planning.
2. Regulatory Compliance (OSHA, NFPA, local standards).
3. Safety Protocols for Maintenance Teams.
4. Fire Safety Systems & Emergency Preparedness.
5. Contractor & Vendor Management for Safe Practices.

DAY-5: Technology Integration & Future Trends

1. Smart Building Technologies and IoT in Facilities.
2. Data Analytics & AI for Maintenance Optimisation.
3. Digital Twin & BIM for Facility Management.
4. Remote Monitoring & Automation.
5. Future Trends & Innovations in Facility Management.

Case Study: Smart Predictive Maintenance at a University Campus.