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Effective Maintenance Management within the Oil & Gas Sector

PIK854-1125 USA-OR-1

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Place	: Orlando	**Venue**	: INDUSTRIOUS (1 and 2, 245 Hammersmith Road Floors, London W6 8PW) - TBC		
Start Date	: 03-11-2025	**End Date**	: 07-11-2025	**PPP**	: £4950

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

Short Description:

This training program is designed to provide participants with the fundamental knowledge and skills necessary for effective maintenance management within the oil and gas sector. A key focus of the program is on practical strategies that align with industry standards, ensuring that participants can apply these concepts in real-world scenarios. By exploring various aspects of maintenance management, this program prepares individuals to understand the complexities of managing facilities in the oil and gas industry. Additionally, the training highlights the importance of technological advancements in enhancing asset performance and operational reliability. Participants will learn how to leverage innovative technologies and best practices to optimise maintenance processes, thereby contributing to the overall efficiency of oil and gas facilities. This comprehensive approach not only equips participants with theoretical insights but also emphasises the application of these principles to foster sustainable operations in the industry.

Course Overview:

COURSE OBJECTIVES

At the end of this program, participants will be able to:

- Enhance their understanding of maintenance management principles tailored to the oil and gas industry.
- Apply practical tools and methodologies for effective maintenance planning.
- Execute maintenance tasks effectively and optimise processes.
- Familiarise themselves with regulatory compliance requirements relevant to maintenance activities.
- Understand safety protocols associated with maintenance tasks.
- Utilise technology and data-driven approaches for predictive maintenance.
- Implement continuous improvement strategies to enhance maintenance efficiency and reduce downtime.

TARGET AUDIENCE

- Maintenance managers in oil and gas facilities.
- Supervisors overseeing maintenance operations in the oil and gas sector.
- Engineers focused on maintenance strategies in oil and gas facilities.
- Asset managers involved in maintenance planning.
- Reliability engineers executing maintenance tasks.
- Health, safety, and environmental (HSE) professionals ensuring safety standards.
- Technical personnel aiming to enhance skills in asset management and maintenance optimisation.

Program Outline:

DAY 1: Maintenance Strategy and Planning

1. The strategic role of maintenance in oil and gas facilities.
2. Methodologies for effective maintenance planning.

3. Approaches to risk-based maintenance (RBM).
4. Techniques for predictive maintenance.
5. Optimisation and scheduling of maintenance activities.

DAY 2: Asset Management and Reliability

1. Management of asset lifecycles.
2. Principles of reliability-centred maintenance (RCM).
3. Techniques for condition monitoring.
4. Analysis of failures and root cause analysis (RCA).
5. Management of spare parts and inventory control.

DAY 3: Regulatory Compliance and Safety

1. Regulatory standards in the oil and gas sector.
2. Maintenance operation safety protocols and standards.
3. Environmental factors in maintenance practices.
4. Monitoring and auditing for compliance.
5. Measures for incident investigation and corrective actions.

DAY 4: Technology and Digitalisation in Maintenance

1. The impact of technology on contemporary maintenance practices.
2. Trends in digitalisation within asset management.
3. Applications of IoT in predictive maintenance.
4. Utilizing data analytics for maintenance-related decision-making.
5. Implementation of Computerised Maintenance Management Systems (CMMS).

DAY 5: Performance Metrics and Continuous Improvement

1. Essential key performance indicators (KPIs) for maintenance management.
2. Benchmarking strategies for maintenance performance.
3. Methodologies for continuous improvement (Lean, Six Sigma).
4. Managing change within maintenance operations.
5. The significance of ongoing training and development for maintenance staff.