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Applied Project Management Techniques for Maintenance Performance Engineers

PIK-1225 TH-BK-1

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Place	: Bangkok	**Venue**	: Novotel Bangkok on Siam Square (392 44 Siam Square Soi 6, Pathum Wan, Khet Pathum Wan, Bangkok, 10330, THAILAND) - TBC		
Start Date	: 15-12-2025	**End Date**	: 19-12-2025	**PPP**	: £4750

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

Short Description:

This five-day intensive training program provides junior maintenance performance engineers with practical knowledge and hands-on tools to effectively manage engineering and maintenance projects. It bridges foundational project management principles with real-world maintenance applications, helping participants enhance their efficiency and project success rates. The course covers traditional and modern approaches, from defining project scopes to implementing agile methodologies suitable for industrial environments. Participants will learn how to plan, execute, and monitor projects while ensuring safety, cost control, and quality improvement in maintenance operations. Through interactive discussions, case studies, and exercises, trainees will gain a deep understanding of how to apply project management techniques directly in their maintenance roles—ensuring better equipment reliability, reduced downtime, and improved organizational performance.

Course Overview:

TARGET AUDIENCE

- Junior Maintenance Performance Engineers.
- Maintenance Planners and Schedulers.
- Engineering Project Coordinators.
- Reliability and Asset Management Engineers.
- Technical Supervisors transitioning into Project Roles.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

1. Understand the project management lifecycle and its application in maintenance projects.
2. Plan, schedule, and monitor maintenance projects using modern PM tools.
3. Identify, assess, and mitigate project risks effectively.
4. Apply performance indicators to evaluate maintenance project success.
5. Demonstrate leadership and communication skills within project teams.
6. Implement agile and lean project management methods in maintenance operations.

Program Outline:

DAY 1 – Foundations of Project Management in Maintenance Engineering

1. Understanding the Project Management Lifecycle.
2. Key Principles of Maintenance Project Planning.
3. Roles & Responsibilities in Engineering Projects.
4. Stakeholder Identification & Communication.

5. Integrating Maintenance Goals into Project Objectives.

DAY 2 – Planning & Scheduling Maintenance Projects

1. Developing Project Charters and Scopes.
2. Work Breakdown Structure (WBS) for Maintenance Projects.
3. Time Management and Gantt Charts.
4. Resource Allocation & Cost Estimation.
5. Using MS Project and Other Scheduling Tools.

DAY 3 – Risk, Quality, and Performance Management

1. Identifying and Assessing Project Risks.
2. Risk Mitigation Strategies for Maintenance Projects.
3. Quality Assurance & Continuous Improvement.
4. Key Performance Indicators (KPIs) for Maintenance Projects.
5. Lessons Learned & Post-Project Evaluations.

DAY 4 – Communication, Leadership & Team Dynamics

1. Building Effective Project Teams.
2. Communication Strategies for Multidisciplinary Teams.
3. Conflict Resolution in Maintenance Environments.
4. Leadership Styles & Their Impact on Project Success.
5. Reporting, Documentation, and Presentation of Results.

DAY 5 – Agile and Modern Approaches in Engineering Projects

1. Traditional vs. Agile Project Management in Maintenance.
2. Lean Maintenance & Continuous Improvement Culture.
3. Digital Tools for Project Monitoring & Reporting.
4. Final Group Exercise and Certification Assessment.
5. Case Studies: Toyota's Lean Maintenance Project at the Georgetown Plant (USA).