Industrial Maintenance for Government and Public Sector Facilities Training Course



14 - 18 Dec 2026

Kuala Lumpur

5200 € (Per Person)

Ref: #INM2743_58227

Course Introduction / Overview:

This course is specifically designed to address the unique challenges of industrial maintenance within government and public sector facilities. The program provides a comprehensive framework for managing and maintaining a diverse range of assets, from municipal buildings to critical public infrastructure. Participants will learn how to implement effective maintenance strategies, optimize resource allocation, and ensure compliance with public sector regulations and standards. The curriculum covers key areas such as preventive maintenance, asset management, and the use of technology for facility upkeep. A major focus is placed on enhancing operational efficiency and extending the life of public assets, all while operating within budget and regulatory constraints. The course draws on established principles from authors like John M. Nicholas, whose work on project management and operations provides a strong foundation for managing complex maintenance projects. This course, developed by BIG BEN Training Center, emphasizes the practical application of maintenance theory through case studies and real-world scenarios relevant to the public sector. By the end of this program, participants will be equipped with the skills needed to manage maintenance activities effectively, ensuring the continuity and reliability of essential public services.

Target Audience / This training course is suitable for:

- Public works and facilities managers.
- Maintenance supervisors and technicians.
- Asset managers in government agencies.
- Personnel involved in public infrastructure management.
- Operational staff in municipal and government facilities.
- Procurement and contracting specialists.
- Engineers and planners working on public projects.

Target Sectors and Industries:

- Federal, state, and local government.
- Public work and utilities.
- Education and healthcare facilities.
- Transportation and infrastructure.
- Public housing and community centers.
- Defense and military installations.
- Government agencies.

Target Organizations Departments:

- Facilities and public works.
- Operations and maintenance.
- Asset management.
- Engineering and planning.
- Finance and procurement.
- Health and safety.

Course Offerings:

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

- Develop and implement effective preventive maintenance schedules.
- Manage and optimize maintenance resources and budgets.
- Apply best practices for asset lifecycle management.
- Ensure compliance with public sector regulations and reporting standards.
- Use technology to track and manage maintenance work orders.
- Conduct a root cause analysis for equipment failures in a public setting.
- Improve overall facility efficiency and reduce operational costs.

Course Methodology:

This course uses a highly practical and case-based methodology tailored to the public sector environment. The training is structured around interactive sessions, group exercises, and discussions focused on real-world challenges faced by government facilities. Participants will work through case studies that address issues like budget constraints, procurement regulations, and stakeholder management. This hands-on approach encourages collaborative problem-solving and the development of strategies that can be immediately applied in their roles. The course also includes workshops on using common maintenance management software and tools, without endorsing a specific vendor. Instructors from BIG BEN Training Center bring a wealth of experience in public sector maintenance, providing valuable insights and expert guidance throughout the program. The training also includes discussions on public policy and accountability, ensuring that participants understand the broader context of their work. This methodology is designed to empower participants with a comprehensive skill set that combines technical knowledge with the unique management and administrative skills required in government.

Course Agenda (Course Units):

Unit One: Foundations of Public Sector Maintenance

- The role and importance of maintenance in government facilities.
- Understanding public sector challenges: budgets, regulations, and accountability.
- Developing a mission-driven maintenance strategy.
- Types of maintenance: reactive, preventive, and predictive.
- Key performance indicators (KPIs) for public sector maintenance.
- Introduction to public procurement and contracting for maintenance services.
- Case study: building a business case for a maintenance project.

Unit Two: Planning and Scheduling for Public Assets

- Creating a comprehensive preventive maintenance plan.
- Prioritizing work orders and resource allocation.
- Using a work order management system effectively.
- Developing maintenance schedules for a diverse portfolio of assets.
- Integrating safety protocols into daily work plans.
- Managing backlogs and optimizing workforce efficiency.
- Practical exercise on developing a maintenance schedule.

Unit Three: Asset Management and Lifecycle Costing

- Principles of asset lifecycle management in the public sector.
- Calculating and analyzing total cost of ownership (TCO).
- Making data-driven decisions on asset repair vs. replacement.
- Using condition assessments to inform maintenance strategy.
- The role of sustainability in public sector maintenance.
- Developing a long-term capital improvement plan.
- Case study: managing a public building's lifecycle.

Unit Four: Technical Skills and Best Practices

- Fundamentals of HVAC system maintenance.
- Basics of electrical and plumbing system upkeep.
- Best practices for structural and grounds maintenance.
- Energy efficiency in public facilities.
- Troubleshooting common facility issues.
- Implementing a robust health and safety program.
- Introduction to building codes and standards.

Unit Five: Emerging Trends and Future of Maintenance

- Introduction to smart facility technologies and IIoT.
- Using data analytics for performance improvement.
- The role of drones and remote sensing in infrastructure inspection.
- Integrating a CMMS (Computerized Maintenance Management System).
- Change management for technology adoption.
- Strategies for continuous improvement and innovation.
- Final project: creating a maintenance improvement plan for a facility.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

Given the unique constraints of public funding and accountability, how can maintenance leaders leverage innovative strategies to ensure the long-term integrity of public assets while demonstrating maximum value to taxpayers?

What unique qualities does this course offer compared to other courses?

This course stands out because it is not a generic maintenance training program but one specifically crafted for the government and public sectors. It directly addresses the unique challenges, regulations, and operational environments that professionals in these fields face. We go beyond technical skills to cover critical topics like budget management, public procurement, and stakeholder communication, which are essential for success in government roles. The curriculum is built on a foundation of case studies and real-world examples from a variety of public facilities, from schools and hospitals to public utilities. This targeted approach ensures that the knowledge and skills gained are immediately applicable and relevant. This program, offered by BIG BEN Training Center, is designed to empower participants to not only maintain assets but to also serve as strategic leaders who can drive efficiency, accountability, and long-term value for their organizations and the public they serve.