



PB INSTITUTE OF RESEARCH AND TECHNOLOGY

P.O Box 21457-00100

Nairobi - Kenya

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Construction Site Safety And Compliance Training

Duration: 10 days

On-Site

01 Who Should Attend

- Construction managers
- Site supervisors
- Safety officers
- Project managers
- Foremen
- Construction workers
- Compliance officers
- Engineers
- Architects
- Subcontractors
- Students of construction management and safety
- Individuals interested in construction site safety
- Operations managers
- Training managers
- Inspectors



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02 About the Course

Construction Site Safety and Compliance training equips professionals with the methodologies to ensure safe and compliant construction operations, minimizing risks and preventing accidents. This course focuses on analyzing construction hazards, implementing safety management systems, and understanding the impact of effective compliance on project outcomes. Participants will learn to utilize safety inspection techniques, develop site-specific safety plans, and understand the intricacies of regulatory requirements and documentation. By mastering construction site safety, professionals can enhance workplace safety, reduce project delays, and contribute to the creation of a secure and compliant construction environment.

The dynamic and hazardous nature of construction sites necessitates a comprehensive understanding of safety protocols and compliance standards. This course delves into the nuances of hazard assessment, equipment safety, and emergency response, empowering participants to develop and implement tailored safety management strategies. By integrating practical safety techniques with regulatory knowledge, this program enables individuals to lead construction site safety initiatives and contribute to the creation of a safe and compliant workplace.



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03 Workshop Objectives

- Understand the principles and importance of construction site safety and compliance.
- Implement techniques for conducting site-specific hazard assessments and risk analyses.
- Understand the role of safety management systems in construction projects.
- Implement techniques for developing and implementing site-specific safety plans.
- Understand the principles of equipment safety and safe work practices.
- Implement techniques for conducting equipment inspections and maintenance.
- Understand the role of emergency response and first aid in construction site safety.
- Implement techniques for developing and conducting emergency drills and exercises.
- Understand the legal and regulatory requirements related to construction site safety.
- Implement techniques for conducting construction site safety audits and inspections.
- Understand the challenges and opportunities of ensuring safety in diverse construction environments.
- Understand the role of employee training and participation in construction site safety.
- Develop strategies for continuous improvement in construction site safety and compliance.

04 Module Topics

Module 1: Foundations of Construction Site Safety

- Principles and importance of construction site safety and compliance.
- Understanding the relationship between construction hazards and safety.
- Benefits of effective safety management systems.
- Historical context and evolution of construction safety.

Module 2: Site-Specific Hazard Assessment and Risk Analysis



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- Techniques for conducting site-specific hazard assessments and risk analyses.
- Implementing hazard identification methods (job safety analysis, hazard checklists).
- Utilizing risk matrices and risk scoring techniques.
- Managing hazard assessment.

Module 3: Safety Management Systems in Construction

- Role of safety management systems in construction projects.
- Understanding safety policies, procedures, and documentation.
- Implementing safety management system components.
- Managing safety systems.

Module 4: Site-Specific Safety Plan Development

- Techniques for developing and implementing site-specific safety plans.
- Implementing plan preparation and authorization.
- Utilizing safety plan templates and documentation.
- Managing safety plan development.

Module 5: Equipment Safety and Safe Work Practices

- Principles of equipment safety and safe work practices.
- Understanding equipment operation and maintenance requirements.
- Implementing safe work procedures and protocols.
- Managing equipment safety.

Module 6: Equipment Inspections and Maintenance

- Techniques for conducting equipment inspections and maintenance.
- Implementing pre-use and periodic inspections.
- Utilizing equipment inspection checklists and documentation.
- Managing equipment inspections.

Module 7: Emergency Response and First Aid



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- Role of emergency response and first aid in construction site safety.
- Understanding emergency procedures and protocols.
- Implementing first aid and medical response plans.
- Managing emergency response.

Module 8: Emergency Drills and Exercises

- Techniques for developing and conducting emergency drills and exercises.
- Implementing simulation and scenario-based training.
- Utilizing drill evaluation and feedback mechanisms.
- Managing drills and exercises.

Module 9: Legal and Regulatory Requirements

- Legal and regulatory requirements related to construction site safety.
- Implementing compliance with OSHA and local construction safety codes.
- Utilizing legal registers and compliance tools.
- Managing legal compliance.

Module 10: Construction Site Safety Audits and Inspections

- Techniques for conducting construction site safety audits and inspections.
- Implementing audit checklists and inspection protocols.
- Utilizing audit findings for corrective actions.
- Managing audits and inspections.

Module 11: Safety in Diverse Construction Environments

- Challenges and opportunities of ensuring safety in diverse construction environments.
- Implementing safety strategies in different project types and locations.
- Utilizing safety techniques for various construction activities.
- Managing safety in diverse contexts.

Module 12: Employee Training and Participation



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- Role of employee training and participation in construction site safety.
- Implementing employee involvement and feedback mechanisms.
- Utilizing employee-led safety initiatives.
- Managing employee participation.

Module 13: Continuous Improvement in Construction Safety

- Strategies for continuous improvement in construction site safety and compliance.
- Implementing program evaluation and improvement methods.
- Utilizing feedback mechanisms and performance metrics.
- Managing continuous improvement.

Module 14: Case Studies: Construction Site Safety and Compliance

- Analyzing real-world examples of construction site safety and compliance.
- Highlighting best practices and effective implementation solutions.
- Documenting project outcomes and impact.
- Industry and safety expert testimonials.

Module 15: The Future of Construction Site Safety

- Exploring emerging trends and technologies in construction site safety.
- Integrating digital tools, wearable technology, and automation in safety management.
- Adapting to evolving safety regulations and construction practices.
- Building resilient and proactive construction safety systems.