Advanced Scaffolding and Temporary Works Coordination Training Course

19 - 23 Oct 2026

Kuala Lumpur

5200 € (Per Person)

Ref: #CON5028_85927

Course Introduction / Overview:

This comprehensive training course provides an in-depth exploration of the critical disciplines of advanced scaffolding safety and temporary works coordination, two pillars of modern construction site management. In an industry where structural failures can have catastrophic consequences, mastering the principles of temporary works is not just a regulatory requirement but a fundamental ethical obligation. This program is meticulously designed to equip participants with the advanced knowledge and practical skills needed to manage complex scaffolding projects and coordinate all temporary works effectively, ensuring structural integrity and personnel safety. Drawing upon foundational principles outlined in key industry standards such as BS 5975, the course delves into the procedural and technical aspects of the Temporary Works Coordinator (TWC) role. As emphasized by engineering safety expert Dr. David Blockley, understanding and managing risk is paramount in complex engineering projects. This course, offered by BIG BEN Training Center, moves beyond basic compliance, fostering a deep understanding of engineering principles, risk assessment methodologies, and the strategic coordination required to prevent incidents. Participants will gain the confidence to oversee the entire lifecycle of temporary works, from initial design brief to final dismantling, ensuring all operations are conducted safely, efficiently, and in full compliance with current legislation and best practices.

Target Audience / This training course is suitable for:

- Temporary Works Coordinators (TWCs) and Supervisors (TWSs).
- Construction Project Managers and Site Managers.
- Civil and Structural Engineers.
- Health, Safety, and Environment (HSE) Managers and Advisors.
- Scaffolding Supervisors and Advanced Scaffolders.
- Principal Designers and Contractors.
- Project Engineers and Site Agents.
- Regulatory Compliance Officers.

Target Sectors and Industries:

- Construction and Civil Engineering.
- Oil and Gas (Onshore and Offshore).
- Power Generation and Utilities.
- Infrastructure and Transportation Projects.
- Shipbuilding and Marine Repair.
- Manufacturing and Industrial Plants.
- Governmental bodies and Public Works Agencies.
- Event Management and Staging.

Target Organizations Departments:

- Health, Safety, and Environment (HSE).
- Project Management Office (PMO).
- Engineering and Design.
- Site Operations and Field Services.
- Construction Management.
- Quality Assurance and Quality Control (QA/QC).
- Contracts and Procurement.
- Facilities Management.

Course Offerings:

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

- Develop and implement a robust temporary works management procedure in line with BS 5975.
- Fulfill the duties of a Temporary Works Coordinator with confidence and competence.
- Analyze complex scaffolding designs for stability, strength, and regulatory compliance.
- Conduct advanced risk assessments and create detailed method statements for temporary works.
- Manage the entire temporary works lifecycle from conception to removal.
- Ensure all temporary structures are properly inspected, maintained, and documented.
- Coordinate effectively between designers, contractors, and on-site personnel.
- Investigate incidents related to temporary works and implement corrective actions.
- Promote a positive safety culture focused on proactive risk management.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be immersive, interactive, and highly practical, ensuring that theoretical knowledge is directly translated into workplace competence. We move beyond traditional lecture-based formats to create a dynamic learning environment. The course is structured around a blend of expert-led presentations, in-depth analysis of real-world case studies detailing both successful projects and notable failures, and interactive group workshops. Participants will actively engage in problem-solving exercises, such as developing a temporary works register for a complex project scenario and critiquing scaffolding design drawings. Collaborative sessions encourage peer-to-peer learning, allowing delegates to share experiences and best practices from their respective industries. A significant portion of the training is dedicated to practical application, where participants will work through simulated scenarios requiring them to make critical decisions as a Temporary Works Coordinator. Continuous feedback is provided by the instructor to guide learning and reinforce key concepts. This hands-on, participant-centered approach ensures that attendees leave not just with knowledge, but with the skills and confidence to implement safer and more efficient temporary works management systems.

Course Agenda (Course Units):

Unit One: Regulatory Frameworks and Core Principles

- Introduction to Temporary Works and BS 5975:2019.
- Legal duties and responsibilities under health and safety legislation.
- The roles and competencies of the Temporary Works Coordinator (TWC) and Supervisor (TWS).
- Understanding key industry guidance such as TG20:21.
- The categories of temporary works and design check procedures.
- Developing a company-wide temporary works procedure.
- The importance of the temporary works register and documentation.

Unit Two: Advanced Scaffolding Engineering and Design

- Principles of structural stability and mechanics for scaffolding.
- Advanced types of scaffolding (e.g., suspended, cantilever, shoring).
- Understanding and interpreting complex scaffolding design drawings.
- Calculating loads, forces, and load paths in scaffolding structures.
- Material specifications and component integrity.
- Foundations and ground conditions for temporary structures.
- Bracing, tying, and anchoring requirements for complex scaffolds.

Unit Three: The Temporary Works Coordination Process

- The four Cs of temporary works management: Communication, Coordination, Competence, and Checking.
- Developing the design brief and engaging with designers.
- Managing the flow of information between all stakeholders.
- The role of the Principal Designer in temporary works.
- Conducting design reviews and technical approvals.
- Managing and controlling design changes on site.
- Effective use of permits, checklists, and control measures.

Unit Four: Practical Risk Management and Site Control

- Advanced hazard identification and risk assessment techniques.
- Developing safe systems of work and detailed method statements.
- Statutory inspection and reporting requirements for scaffolding and other temporary works.
- Pre-erection, post-erection, and weekly inspection protocols.
- The formal handover process and certification.
- Monitoring and supervising the erection, use, and dismantling of temporary works.
- Managing interfaces between different temporary works on a single site.

Unit Five: Complex Scenarios, Modifications, and Emergency Planning

- Managing temporary works for demolition, refurbishment, and façade retention.
- Addressing the challenges of powered access integration with scaffolding.
- Procedures for authorizing and managing modifications to temporary works.
- Investigating temporary works failures and learning from incidents.
- Developing and implementing emergency response and rescue plans.
- Weather-related risks and their impact on temporary structures.
- Course review, final assessment, and professional development planning.

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:

Beyond regulatory compliance, how can a proactive culture of temporary works management fundamentally transform a project's safety record and financial performance?

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

This course distinguishes itself by holistically integrating the two critical, yet often siloed, disciplines of advanced scaffolding and strategic temporary works coordination. While many programs focus on one area, this curriculum is built on the understanding that effective scaffolding management is a core component of a broader, more robust temporary works strategy. We move beyond a simple review of regulations to cultivate a deep strategic understanding of the Temporary Works Coordinator's role as a central point of control for all on-site temporary structures. The course emphasizes the application of engineering principles and critical thinking, using complex, multi-faceted case studies that mirror the challenges of modern construction sites. Rather than just teaching the "what" of standards like BS 5975, we focus on the "how" and "why," empowering participants to develop and implement bespoke, risk-based management systems. The curriculum is designed not merely to train individuals for a specific role, but to develop leaders who can champion a culture of safety and engineering excellence, driving efficiency and preventing catastrophic failures through proactive and intelligent coordination. This strategic, integrated approach provides a level of insight and practical capability that is unparalleled.