Course overview

The use of temporary works on a construction project greatly increases the WHS risks involved, where failures are often significant events.

Most of these risks can be managed by the adoption of good procedural control. Procedural controls for temporary works in the construction industry were first established in the UK in 1982 through the British Standards Institution’s BS5975, which is still considered to be international best practice in this field.

This one-day course aims to raise the awareness of the risks that temporary works pose when they have not been adequately controlled, common causes of failure, and where good practice can be found. It will also focus on international best practice in the safe design, construction, use, maintenance and removal of temporary works.

Target audience

This course is relevant for Civil, Geotechnical and Structural Engineers working in the construction sector. It is also ideal for WHS Advisors, Bid/Commercial Managers, Clients and Client Representatives.

Pre-requisites: participants require some degree of site-based or oversight experience, no engineering design experience is necessary.

Course benefits

Upon completion, participants will be able to identify temporary works across a project, understand the common risks involved, and significantly reduce the level of risk through implementing good procedural control.

Delivered by an international expert, the course will provide recent examples of local temporary works failures and their causes, the obligations under WHS legislation, general design theory and working loads, common checks including sliding, overturning and stability, and best practice for the most common forms of temporary works.

Learning outcomes

- Be able to identify all temporary works across a project
- Understand what is meant by good procedural control and where good practice can be found
- Have a grounding from which to act, such that poor practice does not lead to harm
- Have a good understanding of common risks posed by common temporary works
- Be able to significantly reduce the level of risk that many projects unknowingly accept where temporary works are otherwise poorly controlled

Course topics

- Identifying Temporary Works & examples of failures
- Direct impacts on project WHS
- WHS and Procedural Control
- Introduction to international best practice: BS5975
- Duties of a PCBU toward the WHS Act
- The Temporary Works Procedure plan
- Introduction to the Temporary Works Coordinator
- General design theory, rules, friction, sliding, overturning, lateral stability and bracing
- Common forms of temporary works and their specific considerations that effect their performance

Facilitator

Brendan Attewell CPEng CMEngNZ CEng IntPE(UK) MICE is a Temporary Works specialist with over 20 years’ experience in design and enabling works assessments to facilitate major infrastructure, deep basements and buildings projects.

It is through his experience of working to international standards and best practice, that Brendan has been able to identify the significant risks that many projects carry unknowingly, where good procedural control of temporary works has not been adequately implemented.