



## Excavation Ground Support Systems Appreciation

### Description of course

This course has been designed to give attendees an overview of the requirements of excavation ground support systems. Common methods of support systems used in the construction industry are presented and discussed in this classroom based theory session. This enables attendees to understand the causes of excavation collapse, along with the techniques to be employed for the supporting of excavations.

### Aims of the training

The aim of this training is to provide attendee's with the knowledge of safe methods of supporting excavations and raise their awareness of the cause of excavation collapse.

### Who should attend

Any person who is involved with the planning, designing and execution of excavation work where the stability of the ground may require supporting, or those who want to gain an appreciation of the dangers associated with excavation collapse and the techniques employed to support them.

### Course Content

The requirements of excavation support systems including:

- Dangers associated with working in excavations.
- Ground types and the causes of excavation collapse.
- Supporting shallow/medium excavations in a range of ground conditions using timber, trench sheeting and hydraulic trench shoring.
- Inspection of ground support systems in shallow/medium excavations.

### Learning outcomes – objectives

The course / training will enable delegates to:

- Identify the main dangers associated with working in unsupported excavations.
- Understand the requirements for excavation support.
- Determine the safety aspects appertaining to supporting excavations.
- Carry out inspection of ground support systems and complete relevant documentation.
- Carry out striking for ground support systems in a safe working manner.

### Duration

1 Day