

Scaffold Safety and Techniques

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Energy Milestones Corporation Advancing Professionals to the next level

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Scaffold Safety and Techniques

Course Objectives

By the end of this workshop, participants will be able to:

- Have an understanding of the statutory regulations.
- Identify types of equipment.
- Identify scaffold components and equipment.
- Understand the types of scaffold structures.
- Understand safe working techniques.
- Have the knowledge and skills to erect safely
- Identify hazards and problems in working scaffolds
- Understand the reasons for ties and loadings
- Inspect scaffold
- Verify design and loadings
- Safe working on scaffolds

Course Content

- Introduction to scaffolds
- Basic Competent
- OSHA requirements
- Recommended assembly procedures
- Step-by-step assembly instructions
- General Safety requirements/ fall protection
- Inspection checklists
- Practical hands-on erection and dismantling of several types of frame, tube & coupler and "system" scaffolds
- Planning a scaffold job
- Scaffold design & loading
- Determine the size of the scaffold needed
- How to do scaffold drawings
- How to calculate the scaffold material required
- How to calculate the weight on the scaffold planks, bearers, couplers, and posts (leg load)
- Reading Scaffold Drawings
- Inspection Procedures and Site Safety.
- Initial Inspection, Weekly Inspections and Record Keeping.



Scaffold Safety and Techniques

Practical Session

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- Properly select and wear appropriate PPE during practical training
- Perform proper pre-use inspection of the Scaffold and equipment
- Remove the Scaffold and associated tools/equipment from service if it is unsafe
- Effectively identify hazards associated with Scaffolds
- React to unusual situations or emergencies
- Understand the proper use of tools and equipment
- Move material in a safe manner
- Utilise proper fall protection
- Determine the safe Scaffold platform capacity
- Safely erect and dismantle a Scaffold
- Secure materials for raising/lowering (rope knot application and usage)
- Proper access/egress from the Scaffold

Targeted Audience

Scaffolders, supervisors, inspectors and engineers

Course Methodology

The course employs a combination of interactive techniques, including brief presentations by the consultant and participants, group exercises, and case studies. The course also includes live instructions, video presentations, and practical examples & case studies. The trainer uses up-to-date training techniques and a variety of training methods to give all participants the best opportunities for learning, including:

- Class Session
- Group Discussions
- Case studies
- Simulation
- Evaluation

