

Introduction to Scaffolds

.....



Energy Milestones Corporation **Advancing Professionals to the next level**

Energy Milestones is proud to be accredited, partner and associated with the following association bodies:



info@energymilestones.com



energymilestones.com

Introduction to Scaffolds

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 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.



Introduction to Scaffolds

Practical Session



- 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

Facilitated by an experienced professional trainer, this training course will be conducted as a highly interactive workshop session. A variety of training methodologies and facilitation techniques will be employed before and during the course, as applicable. These methods are aimed at enhancing individual and group interaction while maximising learning. Some of these methods are:

- Online Pre-post Test
- Colourful Visual Aids
- Gamification
- Self-Assessment Instruments
- Simulations
- Case Studies
- Videos
- Group Exercises & Discussions
- Role-plays
- Indoor & Outdoor games

