

Rigging & Hoisting Equipment Installation

This one-day course is designed specifically for the personnel involved in the installation of rigging and hoisting systems in the plant. Participants will look at the factors affecting proper installation in detail, from preparatory relocation of underground piping and wiring, through equipment anchoring, aligning, and test running.

SITE PREPARATIONS

Objective: Explain the necessary steps that are taken to prepare the site for the equipment prior to installation.

SUBTOPICS:

- Underground Piping, Wiring & Cables
- Preparing the Work Area
- Foundations & Footings
- Reinforced Concrete
- Excavation Safety

ANCHORING AND VIBRATION

Objective: Identify the importance of correctly anchoring equipment and controlling the vibration.

SUBTOPICS:

- Anchors & Isolators
- Isolator Mounts
- Anchor Bolts
- Using Power Hammers
- Grouting

MOVING EQUIPMENT

Objective: List the things you must know before lifting equipment with a hoist

SUBTOPICS:

- Uncrating
- Relocating
- Raising/Lifting
- Making the Move
- Personal Safety

ALIGNMENT AND LEVELING

Objective: Explain how the alignment screw is used to prevent equipment movement.

SUBTOPICS:

- Leveling Devices
- Wedges & Shims

- Checking Alignment & Aligning Equipment (on the foundation)
- Alignment Screws & Aligning Machine Tools

TESTING AND SAFETY

Objective: Explain the proper methods used when performing first run checks and list the safety precautions needed.

SUBTOPICS:

- Connections - Electric, Hydraulic & Pneumatic
- Coolant Systems
- Safety Devices & Procedures
- Settings & Adjustments
- Test Run