



Basic Jacking and Rig Move

Course Introduction:

This course is designed to equip participants with the fundamental knowledge required to safely and efficiently perform jacking and rig move operations in oil and gas, construction, and industrial settings. The course provides an in-depth exploration of key concepts, techniques, and safety considerations for moving heavy equipment and structures. Participants will gain a clear understanding of the planning, execution, and risk management processes associated with rigging and jacking operations.

Course Objectives:

By the end of the training, participants will be able to:

- Understand the basic principles of jacking and rig move operations
 - Identify different types of jacking systems and their applications
 - Learn the fundamental steps involved in planning and executing a rig move
 - Assess load distribution and stability requirements
 - Identify and control hazards associated with rig moves
 - Understand industry regulations and best practices for rigging operations
-

Who Should Attend?

This course is designed for all:

- Rig move coordinators and supervisors
 - Maintenance and operations personnel involved in equipment relocation
 - Field engineers overseeing rigging and heavy lifting operations
 - HSE officers responsible for rigging safety compliance
 - Personnel seeking foundational knowledge of jacking and rig move techniques
-

Course Outline:

Day 1: Introduction to Jacking and Rig Move Operations

1.1 Overview of Jacking and Rig Move Operations

- Purpose and applications in industrial environments
- Key challenges and operational considerations

1.2 Types of Jacking Systems

- Mechanical, hydraulic, and pneumatic jacking systems
- Selection criteria for different operations

1.3 Roles and Responsibilities in Rig Move Teams

- Crew roles and communication protocols
- Importance of coordination and teamwork

1.4 Regulatory and Safety Standards

- Industry standards (OSHA, ASME, etc.)
- Compliance requirements for safe operations

Day 2: Load Assessment and Stability Management

2.1 Load Characteristics and Calculations

- Determining load weight and center of gravity
- Factors influencing load stability

2.2 Load Distribution Strategies

- Proper load balancing and anchoring methods
- Managing dynamic loads during moves

2.3 Stability Risk Management

- Identifying stability risks
- Measures to prevent tipping or load shifts

2.4 Tools for Load Assessment

- Use of load cells, pressure gauges, and other assessment tools

Day 3: Planning a Rig Move Operation

3.1 Pre-Move Planning Essentials

- Site surveys and hazard identification
- Route assessment and clearance requirements

3.2 Rig Move Logistics

- Selection of transport equipment

- Scheduling and resource allocation

3.3 Documentation Requirements

- Permits, risk assessments, and safety checklists
- Recording operational details

3.4 Communication and Coordination

- Developing communication plans
- Emergency communication protocols

Day 4: Execution of Jacking and Rig Moves

4.1 Setting Up Jacking Systems

- Preparation and alignment procedures
- Safe positioning and load engagement

4.2 Controlled Jacking Operations

- Sequential lifting techniques
- Monitoring load stability during lifts

4.3 Moving Loads Safely

- Slow-speed and high-speed rig moves
- Managing environmental and terrain challenges

4.4 Emergency Procedures

- Common operational incidents
- Response protocols and corrective actions

Day 5: Risk Management, Compliance, and Best Practices

5.1 Hazard Identification and Control

- Typical hazards in jacking and rig move operations
- Mitigation strategies

5.2 Compliance and Legal Requirements

- Relevant safety standards and regulations

- Documentation for audits and inspections

5.3 Best Practices for Rig Move Operations

- Lessons learned from industry experiences
- Tips for enhancing operational efficiency and safety

Course Methodology:

A variety of methodologies will be used during the course that including:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Fees:

To be advised as per course location. This rate includes participant's manual, Hand-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks

10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session

