



Lifting Operations and Crane Safety Management Training Course

4 – 8 April 2027
Johannesburg

Lifting Operations and Crane Safety Management Training Course

Ref: 1364_200762 **Date:** 4 – 8 April 2027 **Location:** Johannesburg **Fees:** 4500 Euro

Overview

Lifting Operations and Crane Safety Management Training Course is a one-week intermediate course for supervisors, planners, rigging teams, safety personnel, and operations managers who leave with a Safe Lift Plan. Participants assess crane hazards, define roles, select controls, check loads and lifting accessories, establish exclusion zones, manage signaling, and prepare emergency actions. The course connects lift planning with field supervision and inspection evidence. Agile Leaders Training Center presents lifting operations and crane safety through applied controls.

Who Should Attend

- Functions responsible for planning and authorizing lifting operations
- Teams responsible for rigging, signaling, and load control
- Personnel responsible for crane supervision and field safety
- Groups responsible for lifting equipment inspection and maintenance coordination
- Operations functions responsible for contractors, permits, and worksite interfaces

The course assumes participants support lifting activities and leaves out crane operator licensing, equipment design, and specialist engineering calculations.

Departments and Industries

The course supports departments and industries that plan, supervise, or maintain lifting activities.

- Construction, civil works, and infrastructure projects
- Manufacturing, maintenance, and industrial operations
- Oil, gas, energy, and process facilities
- Ports, logistics, warehousing, and cargo handling
- Facilities, utilities, and contractor management functions

Learning Objectives

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

- Apply a lifting hazard and risk assessment
- Build a task-specific Safe Lift Plan
- Evaluate crane, load, and accessory suitability
- Use rigging, signaling, and exclusion-zone controls
- Analyze deviations and make stop-work decisions



- Evaluate inspection, supervision, and incident evidence

Course Agenda

Day 1: Lifting Risk Foundations

- Lifting Operation Scope and Complexity Matrix
- Crane Hazard and Exposure Map
- Roles and Competence Responsibility Chart
- Suspended Load Exclusion-Zone Plan
- Safe System of Work Framework

Day 2: Lift Planning and Equipment Selection

- Task-Specific Lift Plan Template
- Load Weight and Center-of-Gravity Check
- Crane Capacity and Configuration Review
- Ground, Access, and Setup Assessment
- Proximity and Environmental Hazard Checklist

Day 3: Rigging, Signaling and Load Control

- Lifting Accessory Selection Matrix
- Sling Angle and Load Distribution Review
- Rigging Connection Inspection Sheet
- Signal and Communication Protocol
- Tag-Line and Load Movement Control Method

Day 4: Supervision and Operational Assurance

- Pre-Lift Briefing and Authorization Record
- Crane and Accessory Pre-Use Checklist
- Lift Supervisor Observation Card
- Deviation and Stop-Work Decision Tree
- Lifting Incident Response and Evidence Log

Day 5: Safe Lift Practice

- Exercise: Classify Routine and Complex Lift Scenarios
- Exercise: Check Load, Crane, and Accessory Suitability
- Exercise: Design Signaling and Exclusion-Zone Controls
- Exercise: Respond to a Lift Deviation and Incident
- Capstone Exercise: Safe Lift Plan



Practical Exercises

The course uses suggested activities from construction, industrial maintenance, ports, and logistics operations.

- Suggested activity: map hazards, roles, interfaces, and exclusion zones for a selected lifting task.
- Suggested activity: check load information, crane capacity, setup conditions, lifting accessories, and communication controls.
- Suggested activity: diagnose a field deviation and document the stop-work, escalation, and recovery decision.
- Suggested activity: build a Safe Lift Plan with steps, owners, controls, evidence, and emergency actions.

FAQs

What is lifting operations and crane safety management?

Lifting operations and crane safety management is the coordinated planning, equipment checking, role assignment, field supervision, communication, and control of hazards associated with moving suspended loads.

Who suits lifting operations and crane safety training, and what does it assume?

Lifting operations and crane safety training suits planners, supervisors, rigging teams, safety personnel, maintenance coordinators, and managers and assumes involvement in lifting work or its controls.

How does crane safety training differ from crane operator licensing?

Crane safety training focuses on planning, risk controls, supervision, rigging interfaces, inspection evidence, and incident response, while operator licensing assesses machine-operation competence under a separate qualification process.

What should a Safe Lift Plan contain?

A Safe Lift Plan should contain the task sequence, load information, equipment selection, setup conditions, roles, communication method, exclusion zones, control checks, stop-work criteria, and emergency actions.

How should lifting teams respond to changing site conditions?

Lifting teams should pause the operation, protect the load and area, reassess the changed condition, confirm revised controls and authorization, brief affected personnel, and resume only when the plan remains valid.



Conclusion

The course connects lifting risk assessment, lift planning, equipment checks, rigging, signaling, supervision, stop-work decisions, and incident response. Participants take back a Safe Lift Plan with roles, controls, evidence, and emergency actions. The plan changes how teams prepare, authorize, execute, and review lifting operations.