

**Training Title**

**LIFTING & RIGGING EQUIPMENT**

**Training Duration**

5 days

**Training Venue and Dates**

Ref OP012	Lifting & Rigging Equipment	5	25-29 September 2023	\$ 5,500	Istanbul, Turkey
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In any of the 5 star hotel. Exact venue will be informed later.

**Training Fees**

- 5,500 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

**Training Certificate**

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

**TRAINING OVERVIEW**

**TRAINING DESCRIPTION**

The course provides a blend of theoretical instruction and practical exercises in rigging, slinging and lifting operations. The successful trainee shall gain an understanding of the related legislation and procedures involved for safely conducting rigging, slinging and lifting operations.

**TRAINING OBJECTIVES:**

During the course participants will learn to a basic level of competence safe rigging and lifting various types of loads and safe working practices when working with wire ropes, slings and lifting appliances and routine inspection and maintenance of lifting appliances.

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**TRAINING METHODOLOGY**

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions, and motivate everybody find the right answers. The delegates will also be encouraged to raise their own questions and to share in the development of the right answers using their own analysis and experiences.

- 30% Lectures
- 30% Workshops and work presentation

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- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

## WHO SHOULD ATTEND?

Workers

## COURSE OUTLINE

### Basic Rigging and lifting

- Rigging and lifting legislation and standards
- Lifting responsibility
- Safe systems of work, risk assessment of lifting activities
- Rigging and lifting principles and terminology
- Types of rigging and lifting equipment
  - Mobile crane
  - Overhead crane
  - Wire ropes
  - Chain block
  - Fabric slings
  - Shackles and eyebolts
  - Beam clamps and trolleys
- Pre and post use inspection of rigging equipment

### Safe Use Rigging and Slings

- Safe and correct use of equipment
- Certification of lifting equipment
- Crane operation
- Equipment marking and selection
- Load weight estimation and center of gravity
- Sling angles
- Sling stress
- Load placement
- dynamic factors
- Disconnection of lifting equipment
- Hand signals and use of portable radios
- Awareness of crane operating principles
- Awareness of conflicting activities
- Environmental factors

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### Practical Exercises

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- Inspection of loads and planning of lifts
- Risk assessment for lifting operations
- Selection of lifting equipment
- Attaching of lifting equipment
- Moving loads using specific lifting techniques including:
  - Cross hauling / transferring loads
  - Lifting equipment change during lift
  - Offset and center of balance

**NOTE:**

**Pre & Post Tests will be conducted**

**Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.**



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