BLACKBIRD FOR TRAINING

Mobile Crane Operator Certification

26 – 30 April 2027
Kuala Lumpur (Malaysia)



Mobile Crane Operator Certification

Ref: 3254974_183255 **Date:** 26 – 30 April 2027 **Location:** Kuala Lumpur (Malaysia) **Fees:** 4900 GBP

Introduction

This course is designed to enhance the knowledge and skills of intermediate-level mechanical professionals involved in mobile crane operations. It focuses on safety, operational standards, inspection procedures, load calculations, and risk management. The training aligns with the latest industry standards and guidelines such as those set by OSHA, ASME, and ISO.

Course Objectives

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

- Understand the functions and components of mobile cranes
- Apply proper safety procedures and regulations
- Perform basic load calculations and understand lifting capacities
- Identify hazards and perform risk assessments
- Conduct proper crane setup, inspection, and shutdown procedures

Course Outlines

Day 1: Fundamentals of Mobile Crane Operations

- Overview of crane types and applications
- Key components and functions of mobile cranes
- Crane terminology and operational basics
- Applicable standards and regulations OSHA, ASME, ISO
- Q&A Session / Icebreaker Activity

Day 2: Crane Safety and Risk Management

- Identifying crane operation hazards
- Personal protective equipment PPE and site safety
- Communication signals and procedures
- Environmental factors wind, load path, obstructions
- Emergency procedures and accident case studies

Day 3: Load Charts and Lifting Capacities



- Reading and interpreting crane load charts
- Factors affecting crane lifting capacity
- Calculating loads and determining lifting radius
- Load stability and center of gravity
- Activity: Load Calculation Scenario

Day 4: Crane Setup and Operational Practices

- Site inspection and crane positioning
- Outrigger deployment and leveling
- Rigging equipment types and selection
- Pre-operation inspections and checklists
- Q&A Session

Day 5: Inspection, Maintenance, and Certification

- Daily, monthly, and annual inspection requirements
- Identifying wear, fatigue, and mechanical faults
- Basic maintenance and record keeping
- Certification process and compliance checklist
- Course review and final Q&A

Why Attend this Course: Wins & Losses!

- Master safe crane operations and regulatory standards — or risk legal penalties and jobsite accidents
- Learn accurate load calculations — or face the dangers of unstable lifts and equipment damage
- Improve hazard identification and risk assessment — or remain vulnerable to operational failures
- Gain hands-on knowledge in setup, inspection, and shutdown — or experience costly downtime and inefficiencies
- Earn industry-recognized certification — or miss out on career advancement opportunities in construction and heavy industry

Conclusion

This course provides mechanical professionals with the knowledge and confidence needed to operate mobile cranes safely and effectively. Participants will leave with a solid understanding of equipment components, load handling, risk mitigation, and compliance with global safety standards.

Whether you're seeking to enhance jobsite safety or pursue formal certification, this training offers a comprehensive roadmap for professional growth in crane operations.

