Comprehensive Lifting Crane Safety Training Program

24 – 28 May 2027
Barcelona (Spain)



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Ref: 323031_222201 **Date:** 24 – 28 May 2027 **Location:** Barcelona (Spain) **Fees:** 5900 GBP

Course Description

This comprehensive 1-week training course is designed to equip participants with essential knowledge and skills for safe lifting crane operations. The program covers crane types, safety regulations, inspection procedures, rigging techniques, and emergency protocols. Participants will gain both theoretical knowledge and practical experience to ensure safe and efficient crane operations.

Learning Objectives

- Understand various types of lifting cranes and their applications
- Master safety regulations and best practices for crane operations
- Develop skills in crane inspection, rigging, and load calculation
- Learn effective communication techniques for crane operations
- Gain proficiency in emergency response and accident prevention

Course Modules

Day 1: Introduction to Lifting Cranes

- Types of lifting cranes and their components
- Basic crane mechanics and operations
- Safety regulations and standards
- Roles and responsibilities in crane operations

Day 2: Crane Inspection and Maintenance

- Pre-operational inspections
- Routine maintenance procedures
- Identifying and reporting defects
- Documentation and record-keeping

Day 3: Rigging Techniques and Load Calculations

- Rigging equipment and proper usage
- Load weight estimation and distribution
- Sling angles and load stress
- Center of gravity and load stability



Day 4: Safe Operating Procedures

- Crane setup and positioning
- Lift planning and execution
- Communication and hand signals
- Working in confined spaces and near power lines

Day 5: Emergency Procedures and Practical Assessment

- Emergency response protocols
- Accident prevention strategies
- Practical exercises and simulations
- Final assessment and certification

Practical Wins for Participants

- Gain confidence in operating lifting cranes safely and efficiently
- Develop skills to identify and mitigate potential hazards in crane operations
- Learn effective communication techniques for seamless teamwork during lifts
- Acquire knowledge to comply with industry safety standards and regulations

