

# Module ML

## Maneuver Leader

*Maneuver Leader*  
ML (14 h)



**Objective:** The main objective of this course is to train workers who coordinate the lifting and movement of loads with overhead cranes, providing the necessary knowledge to perform these tasks safely and efficiently. Upon completion, participants will be able to comply with safety regulations, ensure the physical integrity of themselves and their colleagues, and handle the machinery professionally and safely.

### PROGRAM: ML Maneuver Leader

1. SLS
1. Introduction to the training
2. General theory
  - 2.1 Role and basic signals
  - 2.2 Legislation
  - 2.3 Lifting equipment types
  - 2.4 Accessories
  - 2.5 Dynamic or static
  - 2.6 Lift plans
  - 2.7 Risk assessment
3. Hoists
  - 3.1 Introduction
  - 3.2 Safety standards
  - 3.3 Hoist concept
  - 3.4 Guidelines
  - 3.5 Standards
  - 3.6 Wire rope and chain hoists
4. Practical
2. CHBU
  1. Introduction to the training
  2. Legislation & lifting equipment related documentation
    - 2.1 Roles and responsibilities
    - 2.2 Manufacturer documentation and statutory inspection documents
  3. Lifting plan and risk assessment
    - 3.1 Lifting plan
    - 3.2 Risk assessment
  4. Safety
  5. Lifting equipment
    - 5.1 Types of cranes
    - 5.2 Types of hoists
    - 5.3 Introduction to operating systems
    - 5.4 Safety and emergency systems
  6. Lifting accessories
  7. Theory application
  8. Pre-operation (practical training)
    - 8.1 Pre-use inspections
    - 8.2 Pre-lifting tasks
  9. Lifting operation (practical training)
    - 9.1 Warm-up
    - 9.2 Lifting operations
    - 9.3 Emergency procedures
  10. Post lifting
3. CHIM
  1. Introduction to the training
  2. Rules and legislation
  3. Documentation
  4. Main components of cranes
    - 4.1 Main components of cranes
    - 4.2 Crane maintenance task
    - 4.3 Main components of rails and trollies
    - 4.4 Rail and trolley maintenance tasks
    - 4.5 Main components of hoists
    - 4.6 Hoist maintenance tasks
  5. Safety systems
  6. Hydraulic systems
  7. Theory application
  8. Electrical systems
  9. Practical exercise
    - 9.1 Training scenario 1
    - 9.2 Training scenario 2, inspection & maintenance on cranes
    - 9.3 Training scenario 3, inspection & maintenance on hoists

10. Troubleshooting and fault finding according to manufacturers' manual
4. ML Maneuver Leader Crossover
  1. Scope and objectives
  2. Legal framework
    - 2.1 Legislation and regulations
    - 2.2 Role of the maneuver leader
  3. Basic concepts and practical applications
    - 3.1 Self-propelled mobile crane
    - 3.2 Maneuver studies and work procedures
    - 3.3 Auxiliary elements
    - 3.4 Characteristics of the pieces and equipment to be lifted
    - 3.5 Communication between maneuver leader, slinger, and crane operator
  4. Inherent risks of self-propelled mobile cranes and preventive measures
  5. Maneuver planning according to the lifting plan

### Module ML (Maneuver Leader)

**Duration:** 14 hours (2 days)

**Program ML:** Modules 1 to 4

**Requirements:** No prerequisites

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