

# NPORS N104 Overhead Crane Operator Training



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# NPORS (N104) Overhead Crane

## Introduction

The NPORS N104 Overhead Crane Operator course delivers the essential theoretical knowledge and practical skills required to safely operate various types of overhead cranes.

## Learning outcomes

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

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify key controls and explain their functions
- Set up exclusion zone
- Identify and maintain PPE appropriate for overhead crane use
- Conduct all pre-operational and running checks in accordance with manufacturer's requirements
- Prepare the overhead crane for use and operate machine safely and efficiently
- Environmental considerations
- Carry out all end of work and shut down procedures



# Course content

The course typically covers the following topics:

## Theory Training

The theory portion covers core legislative guidelines, safety awareness, technical operational data and operational know how.

- Key legislation including the Health & Safety at Work Act 1974 (Sections 2, 7 & 8), PUWER Regulations, LOLER Regulations, CDM Regulations, and the CPA documentation.
- Load Dynamics: Learning to identify Safe Working Loads (SWL) of overhead crane using thorough examination reports and load/duty charts.
- Equipment & Mechanics: Identifying major crane components and understanding their functions and safety features.
- Risk & Emergency Mitigation: Learning risk assessment procedures, site hazard identification (obstacles, personnel, ground conditions) and the specific emergency stop hand signal.
- Operational Rules: Safe operating procedures and techniques, managing load swings, procedures for handling defects, reporting damage, and executing mandatory end-of-shift shut-down routines.

## Practical Training

The practical elements train the operator to execute real-world lifting maneuvers.

- Pre-Operational Inspection: Conducting complete checks on critical components in line with a pre-use check list.
- Mandatory Lift Tasks: Operators must successfully execute lifting tasks with overhead crane as per NPORS Guidelines.
- Slinger & Signaller Coordination: Actively communicating and agreeing on a signal code with a qualified slinger/signaller, ensuring they use a guide line to keep control of the moving load.
- Precision Landing: Landing all test loads within 100mm of the designated landing point.
- Safe Shutdown: Parking the crane in its designated area, raising the hook fully, hitting the emergency stop, removing the key, and isolating the main switch.

# Assessment

- Practical assessment of overhead crane operational tasks. Observation and performance evaluation by certified NPORS instructor as per the NPORS practical test sheet
- Written examination (Combination of subjective and objective questions) to test theoretical knowledge

# Certification

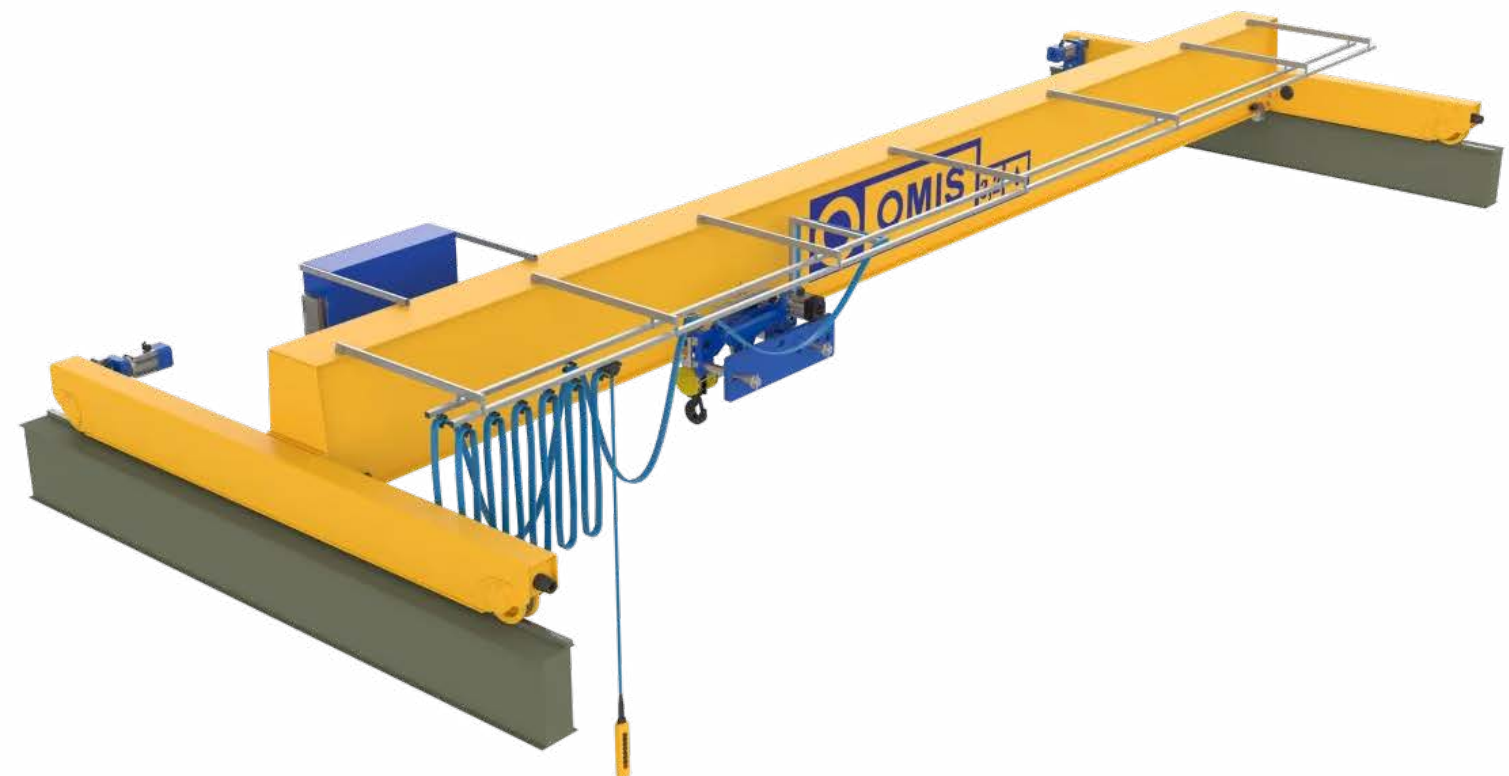
Candidates who successfully complete the course and pass the assessment will receive:

- NPORS Operator Card valid for 3 years, subject to refresher training and reassessment

# Entry Requirements

Participants must meet the following criteria to enroll in the course:

- Be at least 18 years of age
- Be medically fit to perform overhead crane operational duties
- Have a basic understanding of English (for verbal and written communication)
- Ideally, have some prior experience in overhead crane operations (recommended but not mandatory)



# About Al Mashreq Training

Al Mashreq training Vision is to be the first choice for training in the Gulf. To support this vision, we carefully select highly specialized trainers and competent staff so that the training is delivered to exceed the learners expectation. We have internationally accredited courses that bring value added to clients and learners. Al Mashreq Training will continuously monitor the performance of trainers and learners and will provide the necessary support to enable learners to achieve their qualifications. We will provide all relevant information to learners and clients and answer their queries in a timely manner.

I welcome you once again to Al Mashreq Training and wish you an enjoyable journey throughout your program and success in your training.

## Accreditation



## Partners



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