



Fee  
**Free**

Final exam only

# Course technical sheet

Practical Module (6 hours) overhead crane/gantry crane with pendant/remote control

Course code

**CARROP\_RADIO\_LA**

Test duration

**30 min**

Passing score

**70%**

Issued

**27/05/2026**

## Executive summary

The course "Practical Module (6 hours) overhead crane/gantry crane with pendant/remote control" is designed to equip participants with specific operational skills for safely using overhead and gantry cranes controlled by pendant and radio remote controls. Practical sessions include lifting and load handling with focus on reducing load swing, pre-operation command verification, battery and radio signal checking. Emphasis is placed on smooth manoeuvres in windy conditions and effective communication with the banksman to ensure safety. Exercises cover load picking and placing with a spreader beam, navigating narrow aisle scenarios, and managing variable operational conditions. Participants will learn to identify and prevent common errors, ensure proper load balancing, and correctly operate control devices. This training targets operators seeking to acquire or update practical skills in line with current workplace safety regulations.

## Certification process

- Registration or login to the Academy platform.
- Completion of the final course examination only. Any training or preparation may be completed externally or through other channels.
- The test questions refer to the objectives, skills and topics described in this technical sheet.
- Assessment of the result, possible validation and certificate issuance according to the rules applicable to the course.

## Important note

On Academy, candidates take only the final course examination. Any training or preparation activity may be delivered externally or through other channels. The test questions refer to the topics described in this technical sheet and in the course syllabus summary.

## Syllabus summary

State-Regions Agreement 17/04/2025 (Rep. 59/CSR), Annex A – section 8.3.11 (6-hour practical module: pendant/remote control) + Legislative Decree 81/2008, art. 73(5)

## Learning Objectives

- Provide practical skills for the safe operation of overhead and gantry cranes with pendant and radio remote controls.
- Develop smooth load lifting and handling manoeuvre abilities.

## Skills Acquired

### Certification Bodies Management systems

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### Course technical sheet

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- Execution of smooth manoeuvres and load control under variable operational conditions.
- Verification and management of pendant and radio remote control functionality.
- Application of communication procedures with the banksman.

**Target Audience**

Operators and personnel responsible for overhead and gantry crane operation requiring specific practical training.

**Prerequisites**

Theoretical knowledge of safety principles according to applicable regulations and completion of foundational training modules.

**Program**

- Practical exercises in load picking and placing with spreader beam.
- Manoeuvring in narrow aisles using pendant control.
- Operational management of radio remote control: battery, pairing, signal.
- Load lifting and balancing techniques.
- Communication and safety procedures during operations.

**Teaching Methodology**

Hands-on practical sessions using equipment under supervision of qualified instructors.

**Assessment Methods**

Direct observation of practical skills and technical questions regarding operational procedures.

**Duration**

6 hours of practical training.

**Certification**

Certificate of completion of the practical module.

**Expected Outcomes**

Competent and aware operators in the correct and safe usage of overhead and gantry cranes with pendant and radio remote controls.