Logistics and equipment operation

Overhead cranes and gantry cranes — R.484

Two days to operate an overhead crane or gantry crane, from the floor or from a cab, and to move loads without exposing the team. Recommendation R.484 is the framework: technology, controls, guiding signals, routine slinging, load balancing, prohibited practices and checks. The exercises take place on your own cranes, in your workshop, with your loads, and end with a theory test and a practical test on which the employer bases the driving authorisation.

Duration : 2 days

Objectives

1. Describe the components of an overhead or gantry crane and the role of each safety device
2. Distinguish category 1 (floor control) from category 2 (cab control)
3. Carry out pre-use checks and report a defect
4. Choose routine slinging, balance the load and move it without swinging
5. Coordinate the manoeuvre with a banksman using standard hand signals

Programme

Day 1 — morning

• Typical accidents: falling loads, swinging, people struck, pinching between load and structure

• Roles of the employer and the operator, medical fitness, driving authorisation

• R.484 categories 1 and 2

• Technology: runway, girders, trolley, hoist, hook, limit switches, load limiter, emergency stop

Day 1 — afternoon

• Controls: pendant push-button station, radio remote control, cab station

• Standard guiding signals and communication with the banksman

• Maximum load, markings, load mass and centre of gravity

• Pre-use checks and the faults that require a stop

Day 2 — morning

• Routine slinging: slings, hooks, shackles, spreader beams

• Balancing a load, sling leg angle, protecting edges

• Prohibitions: passing over people, side pulling, tearing loads free, leaving a load suspended

• Coactivity with other machines and teams on the ground

Day 2 — afternoon (workshop)

• Exercises on your own cranes: picking up, travelling, precise set-down

• Damping a swing, clearing an obstacle, setting down in a tight space

• Theory test and practical test

• Individual feedback and handover of attestations

Teaching methods

• Exercises on your own overhead and gantry cranes, with the loads and accessories of your workshop

• Work in pairs as operator and banksman, with roles swapped

• Dexterity course with set-down on a target and obstacle clearance

• Explanations in French or Darija depending on the group, at the foot of the cranes

Assessment and documents

A theory test and a practical test scored on a grid, and an end-of-course evaluation at D+1. A named attestation per category and a numbered training certificate that can be verified online for each participant; the company receives the training report and a driving authorisation template. The driving authorisation is signed by the employer.

Bilingual materials for every participant; each classroom course comes with its digital twin on OmniLearn.

Good to know

Slinging is covered here only for routine loads; for complex loads or teams of slingers, see the “Lifting and slinging” course. The attestation is valid for 5 years.

Practical information

Duration	2 days
Prerequisites	Medical fitness obtained beforehand
Group size	Groups of 6 to 12 participants, in-company
Format	In-company, face to face on your site
Language	French, Darija or English; bilingual materials
Funding	OFPPT special training contracts (TFP), GIAC, Maroc PME: we prepare the applications with you, at no extra cost.
Programme customisation	Programme adapted to your procedures, your equipment and your audience

Frequently asked questions

Is training needed for a crane controlled from the floor?

Yes. Category 1 covers exactly floor control, by pendant station or remote control. The floor operator is often more exposed than the one in the cab, because they stand close to the load.

Does the course cover hoists on jib cranes?

It covers overhead cranes and gantry cranes. For stand-alone hoists and jib cranes, the one-day “Hoists, loading docks and dock levellers” course is better suited.

Which loads are used for the exercises?

Those your operators really move: coils, moulds, mechanical parts, crates. We choose them with your workshop manager, checking their mass and the accessories available.