Module **Lift Commission** and Inspection

Lift Commission and Inspection LCI (7 h)





Aim: The aim of this module is to enable the lift technician to inspect the lift after installation in a WTG with the purpose of commissioning; to take correct measures to acquire assistance; and perform simple adjustments or replacement of parts in a lift in a WTG.

PROGRAM: LCI Lift Commission and Inspection

- 1. Introduction to the training
- 2. Legislation and documentation
- 2.1 Lift manifacturer's manuals and guides
- 2.2 Local and national legislation
- 3. Safety when working on a lift in a WTG
- 3.1 Hazardous energy
- 3.2 Work areas in the WTG
- 4. Gates and fences
- 4.1 Outside the lift

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 4.2 Gate lock systems
 4.3 Guard locking control system
 4.4 Upper and lower hatches
 5. Cabin and its attachment parts
 5.1 The cabin In general
 5.2 Fasteners and anchor points
 5.3 Service light and emergency light
 6 Cabin guide unit

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- 6.1 Introduction to lift guiding systems
- 6.2 Guide ropes
- 6.3 Guide wheels (LG, R&P)
- 6.4 Roller guide unit 6.5 Guide ladder inspection
- 7. Top obstruction device
 7.1 Top obstruction device function
 7.2 Top obstruction flashing light
 7.3 Top obstruction in top position
 8. Bottom obstruction device

- 8.1 Bottom obstruction device function
- 8.2 Bottom obstruction device Bowden cable
- 8.3 Bottom obstruction flashing light
- 8.4 Bottom obstruction device stop in the lowest position
 9. Lift door lock and electrical inter-lock
 9.1 Function test of the door lock

- 9.2 Emergency unlocking9.3 Upper and lower hatches10. Lift operation panel and manoeuvre panel
- 10.1 The lift operation and the manoeuvre panel
- 10.2 Operation hour counter

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 10.3 Emergency rescue system
 11. Suspension and crossbeam
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 11.2 Rope and attachments
 11.3 Bolts and bolts connections
 11.4 Upper and lower attack pinion (R&P)
 12. Drive and safety wire rope and rack
 12.1 Drive ropes, in general
 12.2 Tension weights
 12.3 Grounding rotating unit

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- 12.4 Rope ends
- 12.5 Counter rollers
- 12.6 Rope clamps
- 12.7 Rope attachments and bondings
- 12.8 Rope protection
- 12.9 Inspection of the rack
- 12.10 Grease the rack
- 13. Traction hoist
- 13.1 The traction hoist device
- 13.2 Operation hour counter
- 13.3 Labels and type plates on traction hoist
- 13.4 Drive unit, mechanical
- 13.5 Drive unit, electrical
- 13.6 Upper and lower gearbox
- 13.7 Electro-mechanical and centrifugal brakes

- 13.8 Load capacity system
- 14. Wire rope redirection inside the cabin
- 15. Fall arrest device (FAD)
- 15.1 Labels and type plates
- 15.2 General condition
- 16. Supply cable 16.1 Feed-in of supply cable
- 16.2 Strain relief
- 16.3 Cable bin
- 17. Test and training review
 - 17.1 Theory test
 - 17.2 Training review
 - 17.3 Feedback session
 - 17.4 Participant performance assessment

LCI Module (Lift Commission and Inspection)

Duration: 7 hours (1 day)

LCI Program: Sections 1 to 17

Maximum students: 12 people per Edition.

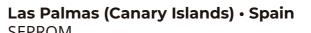
Certificate validity:

Permanent. No validity period applies to this training as long as the participant is active in the respective training.

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