

# Module LCI 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 manufacturer'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
  - 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
  - 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 unlocking
  - 9.3 Upper and lower hatches
10. Lift operation panel and manoeuvre panel
  - 10.1 The lift operation and the manoeuvre panel
  - 10.2 Operation hour counter
  - 10.3 Emergency rescue system
11. Suspension and crossbeam
  - 11.1 Suspension and crossbeam
  - 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
  - 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.

### Headquarter:

**Cárcar (Navarra) • Spain**

Phone: +34 948 674 881 • navarra@totalhse.com

### Accredited Centers:

**Las Palmas (Canary Islands) • Spain**

SEPROM

Phone: +34 902 008 482 • canarias@totalhse.com

**Redondela (Galicia) • Spain**

Verticalia Formación

Phone: +34 986 401 472 • galicia@totalhse.com

### Other accredited centers:

**Hatzor Haglilit • Israel**

IWTC

Phone: +972 4 632 2095 • israel@totalhse.com

**San José • Costa Rica**

Desarrollos Floruma

Phone: +506 2282-7468 • sanjose@totalhse.com

**Santiago de Chile • Chile**

ENACTRAR

Phone: +56 944 402 179 • chile@totalhse.com

[www.totalhse.com](http://www.totalhse.com)

