

Module ES

Electrical Safety

Electrical Safety
ES (10 h 45 min)



GLOBAL WIND
ORGANISATION

Objective: The aim of GWO's Electrical Safety training module is to enable the participants to support and care for themselves and others while working with, and in the vicinity of, electricity in the wind industry and to perform assigned electrical work tasks safely and efficiently.

PROGRAM: ES Electrical Safety

1. Introduction to the training
2. Responsibilities and role of a qualified electrical person
 - 2.1 Responsibilities and role of a qualified electrical person
3. Electrical PPE
 - 3.1 Electrical PPE
4. Electrical safe working practices
 - 4.1 How to perform electrical work tasks safely using electrical safe working practices
 - 4.2 Exposed energised electrical conductors and circuit parts
 - 4.3 Approach boundaries
 - 4.4 Tools
 - 4.5 Alerting techniques
 - 4.6 Job briefing / pre-task briefing
 - 4.7 Deranged equipment
 - 4.8 Guards and covers
 - 4.9 Non-contact techniques (infrared inspections)
 - 4.10 Arc flash
5. Electrically safe work condition
 - 5.1 Treating all electrical equipment as live etc.
 - 5.2 When to establish an electrically safe work condition
 - 5.3 How to establish an electrically safe work condition
6. Testing and isolation
 - 6.1 Electrical measurement equipment
 - 6.2 3-point test method to prove the absence of voltage
 - 6.3 Isolation of electrical equipment
7. Stored energy
 - 7.1 Hazards related to batteries and capacitors
 - 7.2 Task-based training for handling batteries and capacitors in a safe manner
8. Hazardous electrical safety scenarios
 - 8.1 Hazardous electrical safety scenario
9. Training review
 - 9.1 Training review
 - 9.2 Feedback session

Module ES Electrical Safety

Duration: 10 h 45 min (1.5 days)
Program ES: Sections 1 to 9
Maximum students: 12 people per Edition
Certificate Validity: 24 months
Prerequisites:

- Basic Safety CoHE module **CoHE BaSC**
- BTT Electrical module **BTT-E**
- Related and supervised work experience recommended

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