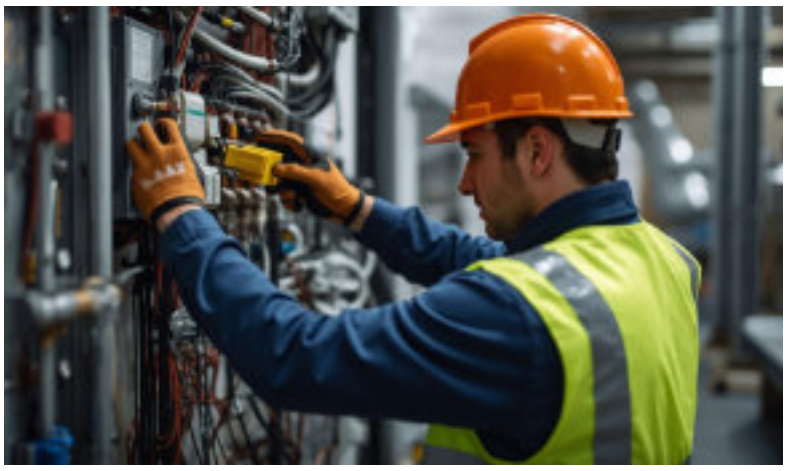
Module aREB2

aelēc
Electrical Risk B2

aelēc Riesgo Eléctrico B2
aREB2 (6h)



Aim: To train workers who perform non-electrical activities in low and medium/high voltage installations to identify electrical hazards and take effective control measures. The course emphasizes the correct interpretation of protected areas, the application of the 5 Golden Rules, and safe behavior in higher voltage environments.

PROGRAM: aelēc Electrical Risk B2

1. General information on electrical hazards
   1.1 General aspects of electrical installations
   1.2 R.D. 614/2001: Art. 4. Work techniques and procedures
   1.3 Work on de-energized circuits
   1.4 Stress-free work
   1.5 Safety conditions for applying the Five Golden Rules in a protected area
   1.6 Safety conditions for applying the Five Golden Rules in a work area
   1.7 Action to be taken when voltage needs to be restored
2. Disclaimers
   2.1 Process and roles of participants
3. Introduction to live working in the live working area
   3.1 Live work
4. Work in the proximity area
   4.1 General considerations
   4.2 Preventive measures
5. Measurements, tests, and verifications
   5.1 Equipment and methods of use
   5.2 General considerations for electrical risk prevention
6. Conditions, standards, and organizational process for remote or remote-controlled operations
   6.1 Remote or remote-controlled operations
7. Introduction to local maneuvers
   7.1 Order of operation of switching devices
   7.2 Indications and signage
   7.3 Locks and interlocks
8. Work in potentially hazardous atmospheres
   8.1 Classification of areas
   8.2 Detection, measurement, and control devices for hazardous atmospheres
9. Main elements of medium-voltage installations (lines, CT) and their identification
   9.1 Conductors, insulators, types of supports
   9.2 Crossings, double circuit
   9.3 PAT of supports
   9.4 Switching elements: circuit breakers, disconnectors (load breakers)
   9.5 CT, CTR, CTIN
   9.6 Types of cells
   9.7 Transformers
10. Main elements of electrical substations and their identification
   10.1 Substations: functions, configurations, and components
   10.2 Control and protection elements (panels and racks)
   10.3 Switchgear and measuring transformers
   10.4 Grounding in substations

aREB2 Module aelēc Electrical Risk B2

Duration: 6 hours (1 day)
aREB2 program: Sections 1 to 10
Maximum students: 12 people per Edition

Certificate validity:

3 years

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