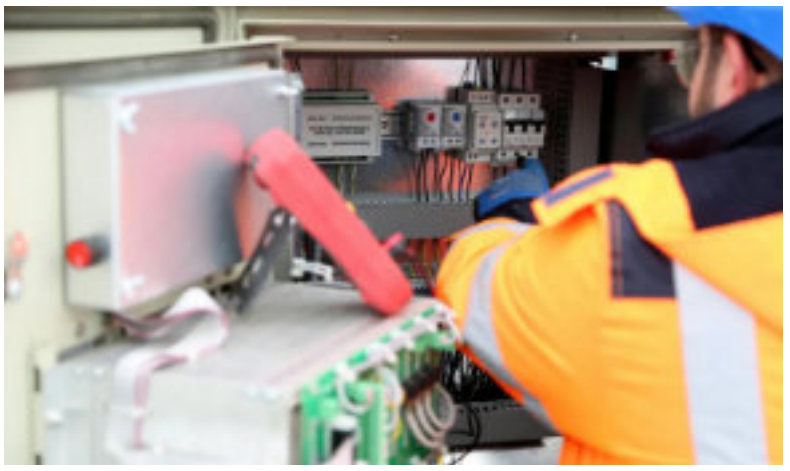
Module aREC1

aelēc
Electrical Risk C1

aelēc Riesgo Eléctrico C1
aREC1 (14h)



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 C1

1. General information on electrical risk
   1.1 General aspects of electrical installations
   1.2 R.D. 614/2001: Art. 4. Work techniques and procedures
   1.3 Types of electrical accidents
   1.4 Electrical installations
   1.5 General provisions for electrical work
2. Electrical work
   2.1 Specific provisions for electrical work
3. Work in potentially hazardous atmospheres.
   3.1 Classification of areas
   3.2 Detection, measurement, and control devices for hazardous atmospheres
   3.3 Protective measures against electrical hazards
4. Basic definitions
5. Classification of workers as "Authorized" or "Qualified" according to their electrical functions or skills
6. Electrical hazards according to RD 614/2001, causes
7. Effects of electric current on the human body
   8. Low voltage (LV) electrical work
   8.1 Types of installations
   8.2 Main elements of installations and their identification
   8.3 Preventive measures against low voltage (LV) electrical hazards
9. Low voltage (LV) installations
10. Low voltage (LV) "grounding"
11. Five Golden Rules for low voltage (LV)
12. Standard PPE and CPE for low voltage (LV) work: when and how to use them
13. Most common risks in low voltage (LV) work and typical accidents
   13.1 Work on de-energized circuits
   13.2 De-energized work
   13.3 De-energization. Safety conditions for applying the five Golden Rules in a protected area
   13.4 Safety conditions for applying the five golden rules in a work area.
   13.5 Disclaimers
   13.6 Work in the proximity area.
   13.7. Measurements, tests, and verifications
   13.8 Maneuvers
   13.9 Work involving the possible presence of hazardous atmospheres
14. Practical sessions (4 hours) Practical exercises to be carried out
   14.1 Practical exercises on the operation and identification of safety measures and equipment
   14.2 Suppression and restoration of low voltage (LV)
   14.3 Measurements, tests, checks, and local maneuvers in low voltage (LV)
   14.4 Preparation and execution of work in proximity to live low voltage (LV) elements
   14.5 Establishment of a safe working area in a protection cell and in a low voltage (LV) panel
   14.6 Actions to be taken

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Duration: 14 hours (2 days)
aREC1 program: Sections 1 to 14
Maximum students: 12 people per Edition

Certificate validity:

3 years

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