

Training - Electrical isolations management



50062320_001-EN-E



E-Learning



1 hour 15 min

This module helps to raise awareness of the fundamentals of electrical insulation, providing them with the knowledge to understand, apply and supervise insulation procedures in a safe professional setting

Level

Knowledge

Public

- Personnel involved in Permit-to-Work system

Objectives

Attendees will be able to implement the following skills:

- define Electrical Isolations
- list the reasons for isolating an electrical circuit
- describe the general points applying to all electrical isolations
- outline the five steps needed to complete an electrical isolation
- describe the roles and responsibilities of personnel involved in electrical isolations
- explain the documentation used during the electrical isolation process
- explain the 5 steps of the electrical isolation process
- describe the process when a continuation permit is required
- outline the process for long term isolations
- outline the process for multiple isolations
- outline the process for grouped electrical isolations
- emphasize the importance of a work permit to electrical isolations

Pedagogical & technical resources

- Alternation between theoretical contributions and practical cases
- Use of visual aids and technical documentation
- Interactive exchanges to promote ownership of responsibilities and procedures
- Case studies on complex isolation scenarios (clustered, multiple, long durations)

Assessment of achievements

- Quiz

Prerequisites

No prerequisites are necessary to follow this course

Responsible

TotalEnergies Learning Solutions trainer, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

DESCRIPTION

Introduction to Electrical Insulation:

- Definition of electrical insulation.
- Reasons to isolate an electrical circuit.
- General principles applicable to all insulation.
- General steps in the insulation process.
- Roles and responsibilities of the personnel involved.
- Documentation associated with the insulation process.

Electrical Insulation Process:

- Preparation.
- Electrical insulation.
- De-insulation for testing.
- Re-insulation after test.
- Final deinsulation.

Continuation Permits and Special Cases:

- Long-term isolation.
- Multiple isolations.
- Grouped isolations.
- Importance of the work permit for electrical insulation.

Please contact our disabled persons referent to check the accessibility of this training program:

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