

EQUIPOTENTIAL GROUNDING SAFETY COURSE

"Grounding Principles of De-Energized Power Facilities"

Contact us for More Information

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Course Description

This 1-day training course on proper grounding practices of de-energized electrical facilities, including vehicles at the work location, brings together key principles for safe working conditions should accidental energization occur. This course will equip you with essential knowledge to create a safe working environment around grounded de-energized high voltage equipment.

Arrange date and time at your company location or online for instructor led training.

Course Outline

- Electrical Review
- Substation Equipment and Protection
- System Grounding and Faults
- Ground Potential Rise and Touch & Step Potentials
- Electrical Grounding for Safety
- Practical Grounding Applications
- Jumper Testing
- General Industry Best Practice Grounding Rules

About the Course

This course is designed to provide a strong foundation in safety principles and industry best practices for effective equipotential grounding. You will gain a deep understanding of applicable 3-Phase power system concepts, system protection trigger mechanisms, and safe working practices, thus ensuring you accurately plan safe working procedures to strategically avert unexpected accidental energization events.

By completing this course, you will

- Ensure key grounding principles are properly in place to trip unintended energizing sources
- Identify probable hazardous touch and step potential locations to avoid work hazards
- Confidently apply grounding jumpers to T&D lines and substation equipment to ensure safety of personnel
- Describe methods used to inspect and test ground jumpers

Benefits from Proper Grounding

- Significantly reduce the risk of serious injury accidents when working on and around de-energized high voltage power lines and substations
- Learn safe working procedures for personnel near grounded or barricaded vehicles
- Gain knowledge of "equipotential grounding," "single-point grounding," and "dual-point (or bracket) grounding"
- Know when to properly apply "personal grounds"

