



Safe Area Restoration - Electrical Maintenance

Course Introduction:

- Overview of the course and its objectives
- Importance of safe area restoration in electrical maintenance
- Key concepts and terminology

Course Objectives:

Upon the successful completion of this course, each participant will be able to:-

- Understand the principles of safe area restoration
- Learn best practices for electrical maintenance in safe areas
- Identify hazards and risk management strategies
- Develop skills for conducting safe area assessments
- Familiarize with relevant safety standards and regulations

Who Should Attend?

- Electrical maintenance personnel
- Facility managers and safety officers
- Engineers involved in maintenance and safety

Course Outline:

Module 1: Understanding Safe Areas

- **Session 1: Definition and Importance**
 - What constitutes a safe area in electrical installations
 - Role of safe areas in overall plant safety
- **Session 2: Risk Assessment**
 - Identifying potential hazards in electrical maintenance
 - Conducting risk assessments for safe areas

Module 2: Safety Standards and Regulations

- **Session 1: Overview of Relevant Standards**
 - Key safety regulations (OSHA, NFPA, IEC)
 - Importance of compliance in electrical maintenance
- **Session 2: Implementing Safety Procedures**
 - Best practices for maintaining safety during restoration
 - Lockout/tagout procedures and their significance

Module 3: Safe Area Maintenance Practices

- **Session 1: Electrical Inspection Techniques**
 - Routine inspection protocols for safe areas
 - Tools and techniques for effective inspections
- **Session 2: Maintenance Procedures**
 - Safe practices for conducting electrical repairs
 - Importance of documentation and reporting
- **Session 3: Emergency Preparedness**
 - Developing emergency response plans
 - Training staff for emergency situations

Module 4: Hazard Mitigation Strategies

- **Session 1: Identifying Common Hazards**
 - Electrical hazards (shock, arc flash)
 - Environmental hazards (moisture, chemicals)
- **Session 2: Mitigation Techniques**
 - Implementing engineering controls and personal protective equipment (PPE)
 - Safe work practices and their implementation

Module 5: Restoration Procedures

- **Session 1: Assessing Safe Area Conditions**
 - Evaluating the condition of electrical systems
 - Determining the need for restoration or upgrades
- **Session 2: Restoration Techniques**
 - Procedures for safely restoring electrical systems
 - Testing and verification of restored systems
- **Session 3: Post-Restoration Assessments**
 - Conducting final inspections and evaluations
 - Ensuring compliance with safety standards

Module 6: Continuous Improvement and Training

- **Session 1: Importance of Continuous Improvement**
 - Learning from incidents and near-misses
 - Implementing feedback loops for safety enhancements
- **Session 2: Training and Development**
 - Ongoing training for maintenance personnel

- Creating a culture of safety and awareness

Conclusion

- Recap of key concepts and practices
- Discussion on the importance of safe area restoration in electrical maintenance
- Q&A session to address specific participant queries

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Fees:

To be advised as per course locations. This rate includes participant's manual, Hand-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session