

# 10 QUESTIONS FOR ELECTRICAL SAFETY

Electrical Safety: recognizing hazards associated with the use of electrical energy and taking precautions so that hazards do not cause injury or death.

## 1. PRE-JOB BRIEFING

- Are all essential team members, including onsite contractor and subcontractors, present at the pre-job meeting? Does everyone understand:
  - the hazards,
  - their roles & responsibilities,
  - what to do if an incident occurs.

## 2. PLANNING & PROCEDURES

- Does the job have clear and complete:
  - Scope,
  - Location,
  - Electrical Safety Procedures,
  - Permit to Work controls,
  - Mitigation measures,
- Is there a rescue plan?

## 3. COMPETENCY & AUTHORIZATION

- Are all team members competent and authorized to carry out the assigned electrical work?
- Has signed authorization been obtained for switching, testing and work on electrical systems?
- Are all team members prepared to execute a rescue if necessary?

## 4. EQUIPMENT ISOLATION

- Has all electrical equipment been de-energized and isolated in line with Electrical Safety Rules and Procedures?
- Have remote methods been considered?

## 5. LOCK OUT-TAG OUT

- Have locks and tags been installed at electrical isolation points in accordance with Safe Isolation (LOTO) procedures?
- Are tags properly filled-in and substantial, weatherproof and secure?

## 6. TEST BEFORE TOUCH

- Has the isolation been tested to verify absence of voltage?
- Has the test device been verified?
- Has Earthing (Grounding) been applied, where required?
- Have the test leads been tested on a known live circuit?

## 7. BARRIERS & GUARDING

- Are physical barriers, protective equipment, special tools and other controls to prevent harm to personnel in place?

## 8. PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Is the appropriate level of PPE used to minimize exposure to shock and arc flash hazards?
- Is the condition of the PPE acceptable for use?

## 9. UNDERGROUND & OVERHEAD POWERLINES

- Is it possible to make contact with underground cables or overhead power lines?
- Are adequate controls in place to avoid contact?

## 10. PORTABLE ELECTRICAL EQUIPMENT

- Has temporary and portable electrical equipment been inspected and approved prior to use?
- Are portable power tools and personal devices inspected and approved for the area classification?

