



A WORKER SUSPECTED BEING ELECTROCUTED IN A RESIDENTIAL BUILDING IN TSEUNG KWAN O AND CERTIFIED DEAD AFTER SENDING TO THE HOSPITAL

On 5 December 2023, a worker suspected being electrocuted during an electrical work in a residential building in Tseung Kwan O, and he was certified dead after sending to the hospital. The Construction Industry Council (CIC) would like to deliver this safety message for your attention. It would be appreciated if you could distribute the message below to your fellow members, relevant personnel or other industry stakeholders where appropriate. Thank you very much.

Common Accidents

1. Electrical work is carried out without cutting off the power supply.
2. Turned off the wrong switch or working on the wrong circuit.
3. The isolated power source was not locked out so that it could be connected again accidentally.
4. Accidentally touched the live part of electrical equipment and installations during work.
5. Lack of supervision or inadequate house rules and working system to govern the isolation of power supply for electrical work.
6. Failure to conduct dynamic risk assessments and take appropriate safety measures in response to changes in the environment and procedures.



Critical Control Measures

1. Work team shall conduct dynamic risk assessments in response to rapidly changing activities, continuously identify the hazards, assess the risks, and take actions to eliminate or reduce risks during construction.
2. Avoid working alone, and ensure that the work team is familiar with the emergency response procedures.
3. Prior to the electrical works, switch off the incoming power supply switchgear, isolate/rack-out the switchgear.
4. Padlock the switchgear and affix with proper warning tag to the switchgear/panel and implement "lockout/ tagout" work permit system.
5. Provide suitable personal protective equipment such as insulating gloves and insulating mats for workers.
6. Ensure that protective devices (such as suitable and adequate fuses and circuit breakers) for the electrical installations have been installed and maintained in good working order, and portable electric tools must be double-insulated or properly earthed.
7. Provide workers with all necessary safety information, instructions and training, and ensure that they are familiar with the safe working procedures and safety measures.
8. Establish and implement an effective monitoring and management system to ensure that all safety measures are strictly followed.



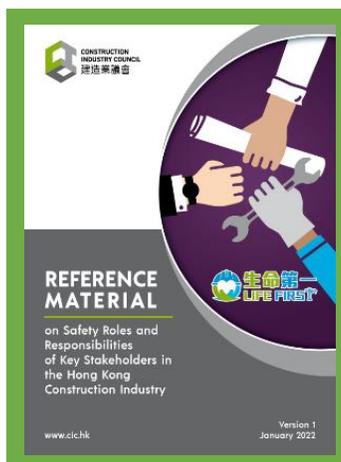


SAFETY ROLES AND RESPONSIBILITIES OF KEY STAKEHOLDERS IN THE HONG KONG CONSTRUCTION INDUSTRY

What if all stakeholders can act together and take one step further to fulfill their roles and responsibilities, can similar accident be avoided?

- In the design stage, designers should consider the operations and establish the proper methods and relevant safety measures.
- During the construction stage, work team should plan, manage and monitor the electrical works effectively, take adequate safety measures, such as avoid live work, and prevent turning on the power accidentally by unauthorised persons.
- Work team shall conduct dynamic risk assessments in response to rapidly changing activities, continuously identify the hazards, assess the risks, and take actions to eliminate or reduce risks during construction.
- Workers should follow the developed safe working procedures, in case identifying any changes in the construction process, report it to their supervisors and take action against it immediately.

Reference information for sharing



Reference Material on Safety Roles and Responsibilities of Key Stakeholders in the Hong Kong Construction Industry



Reference Material on Safety Roles and Responsibilities of Key Stakeholders in the Hong Kong Construction Industry (Practical Reference Guidance On Electrical Work)



Building Services Safety Handbook



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