



A WORKER DIED AFTER BEING ELECTROCUTED DURING ELECTRICAL WORK IN HONG KONG SCIENCE PARK

On 10 September 2023, a worker was electrocuted during his electrical work in relation to solar panel installation on the roof floor of a building in Hong Kong Science Park, and he was certified dead after sending to the hospital. The Construction Industry Council (CIC) would like to draw your attention to this safety message. 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. Failure to properly implement the "lockout/tagout" permit-to-work system.
2. Prior to the electrical works, the electricity supply is not properly turned off, locked, and tagged with a warning sign.
3. Workers accidentally touch the live part during work.
4. Failure to use suitable personal protective equipment such as insulating gloves and insulating mats.
5. Conducting electrical works under adverse weather or humid environment.



Critical Control Measures

1. Prior to the electrical works, switch off the incoming power supply switchgear, isolate/rack-out the switchgear.
2. Padlock the switchgear and affix with proper warning tag to the switchgear/panel and implement "lockout/tagout" permit-to-work system.
3. Check the incoming power supply if it is completely dead or provided with proper protection to the live part of the switchgear prior to commencement of work.
4. Ensure dynamic risk assessment is carried out to identify and manage the risks and hazards induced by the changes in the process or working environment.
5. Provide suitable personal protective equipment such as insulating gloves and insulating mats for workers.
6. Provide workers with all necessary safety information, instructions and trainings, and ensure that they are familiar with the safe working procedures and safety measures.
7. Ensure that protective devices (such as suitable and adequate fuses and circuit breakers) for the electrical installations or electrical plant have been installed and maintained in good working order, and portable electric tools must be double-insulated or properly earthed.
8. Prevent electrical works to be conducted under adverse weather and humid environment.



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

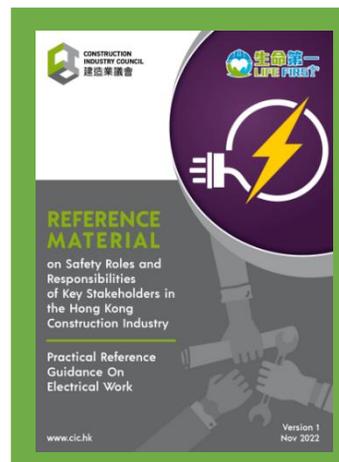
What if all stakeholders can act together and take one step further to fulfill their roles and responsibilities, can similar accident be avoided?

- In the design stage, designers should consider establishing the proper construction 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, implement "lockout/tagout" permit-to-work system and provide personal protective equipment.
- Work team can make use of risk assessment to identify the risk that could occur during construction, and apply control measures to eliminate the hazards.
- Workers should follow the developed safe working procedures, in case identifying any changes in the construction process, report it to their supervisors 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)



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