



ACCIDENT IN CONSTRUCTION SITE IN THE ARTIFICIAL ISLAND OF THE HONG KONG-ZHUHAI-MACAO BRIDGE A WORKER FELL FROM HEIGHT TOGETHER WITH A LOAD DURING LIFTING OPERATION

An accident happened on 31 January 2023 in a construction site in the Artificial Island of the Hong Kong-Zhuhai-Macao Bridge. A worker fell from height with a working platform during lifting operation, the injured worker was sent to hospital.

The Construction Industry Council (CIC) would like to deliver this safety message for your attention. It would be much 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 conduct thorough examination in planning and risk assessments for the lifting operation.
2. Failure to check the lifting operation procedures.
3. Failure to ensure the lifting work is carried out according to the maximum safe working load (SWL).
4. Failure to acknowledge and handle the risks and hazards induced by the changes in the procedures or environment.

Critical Control Measures

1. Appropriate lifting plan, sufficient consideration and risk assessment should be carried out before lifting operation.
2. Machinery and equipment used should be checked before lifting operation.
3. Before the start of the lifting operation, check the load.
4. Appoint person with sufficient experience and qualifications to strictly monitor the lifting operation and ensure that it is not overloaded.
5. Make use of dynamic risk assessment to manage risks and hazards induced by changes in process or site environment before commencement of work.



Appoint person with sufficient experience and qualifications to strictly monitor the lifting operation.



SAFETY ROLES AND RESPONSIBILITIES OF KEY STAKEHOLDERS IN THE HONG KONG CONSTRUCTION INDUSTRY (PRACTICAL REFERENCE GUIDANCE ON LIFTING OPERATION)

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, the engineer should consider the lifting operations and establish the correct method and relevant safety measures.
- During the construction stage, the construction team must ensure it was supervised by designated persons before the lifting operations, and also implement the demarcation of fatal zone.
- The construction team could constantly identify the changes in the process or the environment through dynamic risk assessment and apply control measures to eliminate the hazard.
- Workers can identify 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 (Practical Reference Guidance On Lifting Operation)



Reference Material on Fatal Zone Management



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