Affiliated Company Accident Case

Incident description

Date: 2015. 05. 24(Sun) 15: 25pm(local)
Type: Fall
Severity: 3 fatalities

Incident Summary

3 workers were moving down in the gondola cage after finishing the panel work at 22nd floor. The curtain wall fell down from 21st floor height, and hit the gondola cage on 14th floor. The gondola cage fell down due to being struck by curtain wall.

The cause of incident

- The chain block which lifts the panel failed (2M*4.3M, 350kg).
- Exceeding the capacity of chain block due to impact and wind load. Fatigue failure due to repeated load (Assumption)

Preventive action

- Inspect the lifting gears such as chain block prior to commence activities
  - Consider the impact and wind load, reflect the safety factor when choosing the lifting gears
- Conduct the safety training and self inspection for the work at height such as gondola and curtain wall lifting work.
- Set up the proper work procedure (Prohibit the Simultaneous work)

Incident Summary

Gondola cage was moving down

Chain block failed when the cage move to 14th floor

Stop moving the curtain wall in order to Install it at 20th floor due to cage

Curtain wall fell down, and hit the cage

Photo

Location of curtain wall
Location of gondola cage

Chain block for lifting curtain wall failed, and fell down
Normal chain block