

Here is the footage from the  
Hong Kong Housing Authority  
"Site Safety Seminar for Capital Works New Works Contracts" which was held on 27  
April 2017.

The speaker is  
Mr. Jack Fong,  
Senior Consultant of Occupational Safety and Health Council.  
His presentation topic is  
Findings in Q4 of 2016 and Q1 of 2017,  
Housing Authority Safety Auditing System (HASAS) Version 1.5.1  
(For Building and Engineering Contracts).

Hello, let me introduce to you  
the results in Q4 of 2016 and Q1 of 2017,  
and share photos of good practices.

Good practice can be used as a reference.  
There is a need for improvement, everyone needs to work hard.  
First, I will introduce the score achievements and distribution, etc  
of the Housing Authority's Safety Auditing System (HASAS).  
Next, I will explain the audit observations in the fourth and first quarters.  
I will also introduce an innovative site safety measure.  
Next, I will talk about the results of the Housing Authority Lift and Escalator  
Nominated Sub-contracts Safety Auditing System (HALENSAS).  
in the fourth and first quarters.  
From the summary table, there is a significant increase in performance  
from 1997 to the first quarter of 2017.  
Results for the first quarter of 2017 are divided into Part A and Part B.  
Contractors with two parts at 80 points or more at the same time  
constitute more than 90%.  
No failure results are recorded in the past quarter.  
On audit item, there are 45 items in the fourth quarter.  
and 46 items in the first quarter of 2017.  
The average of the two values at 80 points or more  
constitute 91% in the fourth quarter of 2016,  
and constitute 91% in the first quarter of 2017.  
On critical pass items, including job hazard analysis,  
housekeeping, lifting, tower crane,

mobile cranes, electrical installations, prevention of falling objects and working at height.

The average is also 80 points or more.

With a little attention, there are items showing a downward trend which is the prevention of falling objects.

Everyone should pay attention to it.

Look at the results of the nominated sub-contracts,

The results in the past one and two quarters are satisfactory.

In the fourth quarter of 2016, one electrical nominated sub-contract and one air-conditioning nominated sub-contract failed to meet the standard

In the first quarter of 2017, all achieved 70 points or more.

Take a look at the summary.

In the past two quarters, we have been paying more attention to working at heights, housekeeping, prevention of falling objects and lifting.

I hope everyone can pay more attention.

Look at the photos, these are good practices.

The site is clean and tidy, and pedestrians are separated from vehicles.

Another site, in the same situation, can make arrangements of vehicle-pedestrian separation.

The site is clean and tidy, with suitable passage of ingress and egress.

Access is available to high places for work.

The ingress and egress are cleared to achieve the good effect.

The excavation pit is provided with suitable passage of ingress and egress.

A contractor installed a stable guardrail at the edge, which can be used as a reference for everyone.

The device meets the standard of EN13374

which covers standards of strength of guardrail and test methods.

I hope that more contractors will use such device with stable guardrail in the future.

Similarly, in another contractor's passage of ingress and egress of tower crane use safety fall arresting equipment.

The device meets the standard of EN353, which tested for fall arrest function.

Working platform have been widely used on construction sites, especially when working off the ground.

Need to take protective measures.

The passages of ingress and egress of scaffolding are ideal.

Suitable guardrails and toe boards are provided on the rooftop.

Protective guardrail and protective net are installed.  
The protection to workers on ground level are strengthened.  
The holes are well covered.  
The protruding parts of the steel bars are adequately protected.  
Covers are added to protect materials.  
The situation of material placement is satisfactory.  
Well-designed trash provides automatic opening and closing function.  
The metal cages are adequately protected.  
The protruding parts of the metal bars are properly protected.

About electrical safety,  
portable leakage circuit breakers are widely used.  
Wires are hung at high level.  
In lifting areas, safety measures are widely implemented.  
The work locations are properly fenced off.  
In addition, regarding specific safety rules,  
safety codes for the use of material cranes are posted on site.  
Both pictures and texts are shown  
with content of good and bad practices.  
There are also contractors using electric concrete hammer.  
The advantage is that there is no need to use ammunition,  
reducing the risk of ammunition storage and use.  
The workers' rest room is not bad.  
Speed monitors are installed on the forklift.  
In case of over speed, the supervisor will be notified by SMS.  
There are also contractors using electric trolleys  
which are driven by rechargeable battery.  
The advantage is to reduce manual handling.  
It also assist in upslope and downslope work.  
It will automatically stop when released.  
Considering safety, it is worthwhile to refer to innovative safety measures on sites.  
Use of radio frequency identification (RFID) is  
approved in the past two quarters.  
First, a card reader is installed in the dredger,  
then the label is stuck on the worker's helmet.  
If the worker walks into the danger zone,  
the card reader will emit a flash and alarm sound

to remind the plant operator and the worker  
to be careful of dredgers.

Thank You For Watching.