

Here is the footage of "Site Safety Forum for Works Contracts and Property Services Contracts 2017" which was held on 6th July 2017.

The speaker is an occupational safety veteran Mr. Raymond Ng Lung-hoi. His presentation topic is "Prevention through Design - Minimising the risks taking in works via the Maintenance Works and Property Management".

Thanks to the MC

Owing to the time constraint, I would like to deliver the speech as fast as I can.

Maintenance is very important.

As mentioned, the stakeholders are not only architects, engineers and clients, but also included designers, contractors, and even maintenance supervisors who have different responsibilities.

We should look for some qualified, competent person who can take care of the safe design right from the beginning.

Monitoring each other and minimise the risks from the origin.

For example, before the commencement of construction, the maintenance surveyors will discuss with the designers for their concerns with the maintenance safety issues.

Is it comprehensive enough in terms of resources and education.

In fact, the contractors should do more in terms of the provision of information, instructions, training and supervision.

In order to cascade the safe design to the frontline,

work safety without any problems, we have to start from the tiny issues.

Minor designs will contribute to the great improvement which protects our frontline workers continuously.

We just mentioned different ways to protect the workers and minimise the risks, the Estate Management Division are working hard to reduce the safety risks as low as possible.

We are just talking about the "Swiss cheese model".

Perfect design

will erase the fearfulness of the frontline workers.

You can see the guided working platforms and suspended working platforms.

Nowadays, the working conditions at the bottom of the lift shaft have greatly improved.

By using alternatives measures to reduce the risk of falling.

By adding the weight to the wire of the gondola, the operation is much safer leading to less accidents.

This is a good engineering control measure.

The upper end of the latest lift shaft

had the standard equipment, including a fall-arrest system, along with the personal protective equipment, the protection of the workers has increased.

In the past, we had to rely on these fall arresting devices;

now, permanent railing has been fully installed which provides a more effective engineering control measure, once and for all.

We will learn lessons when accidents occur.

For example, some accidents happened because of the angle grinders, so we have added a safety switch on top.

Electronic brakes and anti-rebound technology which is within the scope of engineering control measures.

In the past, when a sheet of glass was being installed, the window casement was loosened and fell down.

In this case, the suction cups are available.

However they cannot be used for translucent glass.

Therefore, there are specially designed suction cups for translucent glass and ordinary glass.

We just introduced to all of you.

We have noticed for the pre-alerted overweight system applied in the gondola.

Hopefully it can be implemented and becomes a standard in the future.

For the anti-tilting system,
we have to implement it step by step.
Although the "general three treasures" look ordinary.
It has become a contractual provision already.
The contractor must use the online learning system (Courseware) to increase
and improve the safety awareness of the workers.
For example, no guidebooks or safety guidelines could be found when the accident happened.
We shall request the manufacturers and agents for providing them to us.
In the photo, the electric hammer fell from height.
Now, the guidebooks had listed out all items for maintenance.
When the maintenance job is done,
it can help to reduce the number of accidents,
even with a hand strap.
Minor improvements will reduce the chances of falling tools from height.
Once there was a spark when welding
and that led to the burning of the unit below.
We have improved the usage of material protection to
reduce the risks of flammability.
We hoped to have a RMAA Safety Accreditation requirement for scaffold companies
to ensure certain standard.
Our accident rate is reducing
but we cannot be complacent and we have to keep on improving.
When you review the figure of fatal accidents,
you may note that the range lies between ten and twenty.
The Housing Authority has done a good job, but we have to keep on improving.
For the New Works contracts of the Housing Authority,
the accident rate of slip, trip or fall on same level is high and
the chance of spraining when lifting or manual handling objects is still high.
In respect of the HA Maintenance Works contracts,
accidents are commonly caused by slip, trip or fall on same level,
striking against moving objects or being struck by moving objects occurred frequently.
We are concerned about all of these situations.
In 2004, there were approximately 42,000 reported accidents for more than three days of work-related
incapacity from work.
In 2008, 44,000
In 2014, 39,000
In the past decade, there were around 40,000 accidents.
It is worthy to pay attention to the compensation for work-related injuries and the families of the
deceased.

There is a substantial increase in the compensation of 700 million in 2004.
By 2014, the compensation was 1.47 billion for the injured and families of the deceased.
It is worthy to pay attention to
the sick leave of the workers which was 1.11 million of days in 2004.
It meant that they could work and substitutes need to be hired temporarily.

By 2014, the sick leave had been doubled to 2.32 million of days which
used up a lot of resources of Hong Kong.
Many workers were injured and their families suffered as well.
We need to pay more attention to it and we need help from all of you.
From 2007 to 2016,
185 fatal accidents were reported.
On average, there are about 18 to 19 fatal industrial accidents on sites yearly,
some people said that the figure is not too bad.
In my memory, when the construction of the new airport was completed in 1998,
56 people died in the same year in the construction industry.
Right now, 18.5 per year, I think the figure is unacceptable.
Do you agree? Definitely unacceptable.
In 2016, 10 workers died.
In the first 5 months of this year, 7 workers have died already.
We need all of you to work closely and help each other.

We hope to conduct a "Dont walk by" safety campaign.

In case of a dangerous incident, please do report it on time to avoid the potential risk for the next one.

I hope that all employees who encounter potential hazards will report them immediately.

Please don't look down upon your own strength,

minor amendment in the design will bring great improvement to our work.

It can save the precious lives of our employees and

provide a safe working environment for them.

Your support and persistence in occupational safety and health

equals your supporting of many happy families.

Your help is highly appreciated. Thank you!

Disclaimer

Safe Work· Zero Incident

Site Safety Forum 2017 for Works Contracts and Property Services Contracts

"Careful design can reduce accidents and ensure smooth and safe execution of works"

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