

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

The speaker is

the Good Housekeeping (Construction) Gold Award winner of the Good Housekeeping competition which was co-organised by the Occupational Safety and Health Council and Construction Industry Council, the Safety Manager of China Overseas Building Construction Ltd, Mr. Wong Ka-man.

His presentation topic is Logistics Centre No. 181, Tsing Yi Shipping Road, New Territories  
Sharing of 5S housekeeping

Good afternoon, everyone.

Thanks for the organiser for scheduling today's sharing on how to use 5S to improve site safety and progress.

We are China Overseas Building Construction and responsible for the construction of 181 Logistics Center.

We have different guidelines for different safety requirements for the new sites to follow.

We also have a list of plans which enable the site to meet legal requirements.

According to the actual situation of the construction site safety standards for construction are implemented.

Also, we implement the timetable, for example, pedestrian and vehicle separation and workers' lounges.

The construction site has an area of 24,000 square meters, the construction period is 550 days and there is no extension of time for inclement weather.

There are four issues, including completion of the structure of the building within 9 months after the start of construction.

Another one is the remote site location.

The headroom is three times that of a typical building, and there are also many locations of late-cast work

Our company implemented 5S policy, strengthened the construction confidence of employees, traceability and promised to do 5S properly.

We partitioned frontline management and implement responsibility system.

We also deployed enough manpower with two safety labourers in each zone for practising 5S.

Responsibility is in place with implementation of zone management.

This is the situation of pedestrian and vehicular separation.

The working floor also provided a passage for workers.

For material storage, storage location and height are marked with banners.

We prohibited excessive storage of materials.

We designated forklift and bulldozer parking area for easy management and maintenance.

Owing to the frequent entry and exit of concrete mixer trucks, therefore, there are water jets and a regular schedule of water trucks for cleaning the roads.

Wash basins are provided on the floors, and the cleaning scheduled of the trash can is shown on the bin for the responsible sub-contractors to follow.

Clear safe passage signage is provided for workers to safely go up and down the building.

We post safety information and 5S guidelines at the passage for everyone to see and participate together.

Owing to the large number of concrete mixer trucks, we must maintain the air circulation.

We enhance air ventilation for workers near concrete mixer trucks to improve the air quality.

We post the lifting guidelines in the bar bending yard.

A double check on stability is needed when the object is lifted 500 mm from the ground.

We issue lifting card to remind the riggers of safety practice.

There is a safe load factor reference table with different load limits at various angles for maintaining safety of lifting operation and it is also handy.

There are also pedestrian precincts which separate pedestrians and vehicles.

Owing to the urgency of the project, we present the repeated procedures graphically,

to let different workers know clearly the safe procedures of construction every day.  
All personnel need to fulfill their responsibility.  
There are drinking water stations  
and also different safety passages across the working floor.  
We provide up to 200 mobile elevating work platforms for working at height.  
We develop a map showing locations of the work platforms to facilitate management.  
In order to implicitly instilling safety message to workers,  
we have a loudspeaker and a LED display screen at the entrance gate  
to disseminate 5S safety guidelines and the latest news for the workers as reminders.  
Since there are lots of accidents caused by deficiencies in housekeeping and openings in floor,  
therefore, all the holes are numbered and tabulated  
for frontline workers to trace and update improvement methods.  
There are also protruded reinforcement bars that may cause accidents.  
Therefore protecting tools are designed to protect protruded reinforcement bars.  
This tool is easy to cut and can be used as a guardrail,  
and due to the increasing popularity of this tool, the price drops, everyone can use large amount of it.  
In conjunction with the "low-head" work, we put the directional stickers on the ground instead.  
Also in order to draw the attention of workers,  
we used LED light bar with a notification board to make it noticeable.  
The discipline of workers is very important.  
We introduce care measures for workers, such as free shuttle bus,  
inviting outsiders to visit the site for promoting 5S practice,  
and provision of fish ponds and pebble roads to enhance the sense of belonging of workers.  
We set up the worker rest zone and safety promotion corner,  
for providing the latest information about the industry for workers.  
We set up a charging station for mobile elevating work platforms and guidelines for parking,  
which facilitates the management and maintenance of 200 mobile elevating work platforms  
and also addresses the concern of fire and improves working efficiency.  
There are also lunch gatherings for exchanging information on safety and 5S management.  
In addition, there are quarterly caring measures for workers,  
which integrates discipline into 24 solar terms and converts it into workers' conduct and  
we hope that they can help us to perform 5S better,  
for example, drinking more water and taking care of yourself,  
rewarding well-behaved workers and management personnel of sub-contractors.  
Also, the bosses of subcontractors need to sign the charter of responsibility  
and the charters are hung at the entrance for clear indication of everyone responsible.  
To summarise, in order to perform 5S better,  
we expect workers to be self-disciplined for maintaining good standard of site safety  
so as to achieve "safety in heart of every body, family members are relieved every day"  
Thank you.  
There is still a short film. Can it be played?

The speaker plays the short film, the following is the content of the short film.

Narrator:

According to statistics, slipping and tripping can cause quite serious consequences.

The first priority is to address the hazard,  
we will start with personal behaviour control.

The Tsing Yi TYTL181 Logistics Center  
had incorporated various personal behaviour control safety measures at the contract commencement.

Such as material storage area,  
designated pedestrian and vehicular lane.  
and the workers' rest zone.

At the same time, the participation of workers played an important role  
in the implementation of 5S.

In order to arouse the interest of workers,  
the Tsing Yi TYTL181 Logistics Center  
promoted different safety reward programs to attract workers.

For example, the monthly 5S work team award and the Monthly 5S Outstanding Workers Award.

We designed posters for award-winning teams and workers which is a photo of the outstanding workers and related site housekeeping experience.

Female workers:

There are many hoses of different styles and lengths, especially those which had been used, It is difficult to find out if it is still useful.

Identify and dispose of the unwanted items and

clear up space for the room. The boss said that the most important thing is to be a smart human being.

I think that the most important thing to be well organised.

Besides storing materials properly, put marks on them and they won't be processed repeatedly.

Store the items safely and orderly so that it would be easier, convenient and timesaving to use them.

It is difficult to organise a big site.

We use pallets to classify the materials and the pallets can be recycled, which is impeccable.

We keep the workplaces, equipment and tools clean and functioning well.

Stop for a while when the object has been lifted for 500mm from the ground.

When you continue to lift, sound the alarm, and tie the guide rope. It is easy to perform lifting safely.

Working standards are sufficient, and the discipline of workers will be good naturally.

If you need the toilet, don't worry about going to the toilet.

The toilet is comfortable and clean, and it is unobstructed. The staff will be able to follow the rules and the safety culture.

Narrator:

Looking at the five elements of 5S, discipline is the top priority.

The project sets up a safety cabinet

which provides a platform for workers to receive the latest safety information and new safety measures for the protection of protruded bars.

For the purpose of setting up a safety cabinet

it is because we know that safety cannot rely solely on frontline management personnel but it also needs the involvement of workers.

In addition, we need to instill safety standards to the workers

let them know the importance of safety.

We all need to know that it is not easy for workers to change their behaviour and habit.

We particularly post on the ground directional marks in the main circulation routes.

Safety directional indicators are no longer presented on a single plane.

Adding LED strips can

guide them to destinations according to different colour light strips.

At the same time, the project also establishes a road of discipline cultivation of 5S,

for enhancing the safety awareness of managers and workers,

and make the 24 solar terms set up by the Chinese as the theme.

We project lifestyle habits and worker behaviour on the road of discipline cultivation.

We match the solar terms and workers' ethics in order to attract workers' attention.

The Tsing Yi TYTL181 Logistics Center

promotes safety without spare effort

in order to achieve "thinking of safety in everything, everyone practise safety, and everything is safe"

Female workers:

Safety starts from the heart.

Male workers:

Neatness and tidiness build up from discipline cultivation.

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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