

Seminar20210427I(QA2) EN subtitle

Here is the footage of “Site Safety Seminar for Capital Works New Works Contracts”

by the Hong Kong Housing Authority

which was held on 27 April 2021

Now, we’ve come to the last session

Question and Answer Part 2

Let’s invite our guests

Hip Hing Engineering Company Limited

Mr. Cheng Yiu-man, Deputy Project Manager

Sun Fook Kong Construction Limited

Mr. Sung Ho-hong, the Assistant Safety Manager and

Mr. Ng Kai-yiu, Safety Officer

the Occupational Safety & Health Council

Mr. Jack Fong, Senior Consultant and

Senior Manager (Safety & Health) of the Housing Department

Mr. Lau Chee-tim

The 1st question is for Mr. Cheng of

Hip Hing Engineering Company Limited

Regarding the Construction Noise Permit (CNP)

During the installing footbridge components at night

How to fulfill the noise abatement requirement?

Comparing with other projects

lifting operations are less likely to create excessive noise

but we also take full precautionary measures

The site is not too close to residential areas

The nearest building to our site is the MTR station

Works at night will not affect school operations and residential area is quite far away

Our primary concern is safety, we concerns more on falling objects

Secondly, during installing, hitting may be required for screws fixing

In this connection, we have allowed holes in the design
to reduce hitting for screw fixing

Furthermore, we have also encapsulated hand-held tools
to reduce the noise of hard impact between objects

Lifting operation generally requires less hitting work

The second question is for Mr. Ng Kai-Yiu of
Sun Fook Kong Construction Limited

Some contractors worried on the wastage problem
in making Smart Tags by 3D printing

Did you encounter this problem?

What is the production and maintenance cost of this technology?

The wastage rate was quite high
in the early smart tag production stage

We used polystyrene for production at first
we then changed to use polyethylene

The wastage rate was reduced by 83%

For the cost, we adopted Fused Deposition Modeling technology
for 3D printing

One kilogram of raw materials can print roughly 330,000 tags
with each of approximately 20-30 gram

The cost per piece is about 1 cent (HK\$0.01)

If RFID (Radio Frequency Identification) is added to the tag
the cost is about one dollar one cent (HK\$1.01)

The 3D printer is the major cost amounting to a few thousand dollars

Two common types are Stereolithography
and other is Fused Deposition Modeling

Both are around \$3,000

Thanks Mr.Sung

The 3rd question is for Mr. Fong of the OSHC

Nowadays, there are a lot of hand-tool straps on the market

Are there any safety standards for the hand-tool straps?

There are many different types of straps on the market

The OSHC is currently studying the standard of straps, tool belt, etc.

all covered under ANSI 121-2018 standard

The main step is to test the product under different environments

Such as wet, dry, hot or cold environments

falling test is conducted two hours later

it passes if it meets the standard

OSHC will launch a subsidised scheme

for the Small & Medium Enterprises

the hand-tool straps subsidised scheme has three main products

They are the tool belts, B-type buckles and straps

for the industry's reference and use

Please pay attention to our coming announcement

We wish to promote standardised products in the industry

Lastly, we would like to invite Mr. Lau

the Senior Manager of the Housing Department to conclude

Just then, the chart has shown that in the past few years

site accidents have been rising steadily

From 14 to 16

then a total of 18 site accidents happened in 2020

In the first few months of 2021, accidents happened one by one

There were several accidents in one month

some might not be workers and therefore not counted

But the data showed that the situation was steadily worsening

which was really troublesome

Looking back, over the past 10 years,

falling from height was the biggest problem

In early this year, HA new works and maintenance works
each had one fatal accident due to fall from height

The industry should work together

Work above the ground has a risk of falling from height
enough precautionary measures must be taken

The fatal accidents in the past few months
involved many families and heart-broken stories

The industry must work together and don't hold back the investment

Thank you