

良好工作場所整理分享



日出康城7期A及B商住項目



1. 地盤簡介

日出康城7期A及B商住項目

本地盤為港鐵日出康城站旁車廠上蓋發展項目,總承建商為中國海外房屋工程 有限公司,工期為 2017年6月至2022年5月。

由於本地盤位置康城中心,也是康城區內最大、最複雜,最多工作種類的工地。工作種類涉及為興建車廠延伸部份、5層高商用樓字、2座58層高住宅大樓的建設、泳池、會所建造、幼稚園及有相關的外部工程和裝修工程,包括環境美化,臨時鋪設工程,道路工程, EVA和鋪路。

工程名稱 : 日出康城7期A及B商住項目

工程地點 : 將軍澳日出康城

總工期 : 52個月

合約金額 : 49.18億港元

開工日期 : 2017年6月

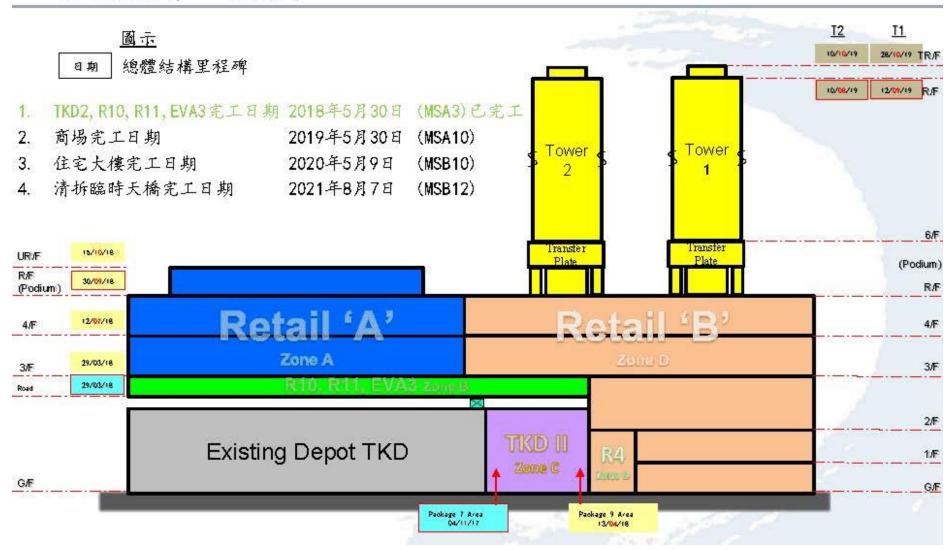


1. 地盤簡介——地盤分區





1. 地盤簡介——里程碑





1. 地盤簡介---5S執行目標指標

由職安局、建造業議會及勞工處主辦的比賽中,獲得以下殊榮及受到業界肯定:

- ▶ (金獎) 2017 & 2018 良好工作場所
- ▶ (銅獎) 2017 最佳演譯









地盤簡介---5S工作

5S規劃-分區責任制

地緣總管 : 陳寀樂 高级苦工 : 李樂生 苦工 : 歐層縣 老工 : 煮偉文 苦工 : 陳俊雄 老工 : 李德康 : 隊祈孝 助理者工 : 鄭偉堰 助理管工 助理管工 : 麗永棠 : 强偉杰 助理者工 助理管工 : 蘇後錦 助理者工 : 范志豪 助理等工 : 陳評倫 : 江景雄 助理者工 : 첖帆 助理安全经理 安全主任 : 劉偉傑 安全主任 : 曾楚温 安全主任 : 朱偉傑

 Zone 5

 地盤總書
 : 陳菜樂

 書工
 : 徐錦傳

 書工
 : 梁展章

 助理者工
 : 陳莽倫

 助理安全經理
 : 楊帆

 安全主任
 : 劉偉傑

 助理安全主任
 : 曾正明

: 陳漢探

: 曾正明

助理安全主任

助理安全主任

 Zone 4

 地盤總置
 : 集鄉样

 管工
 : 陳後雄

 助理管工
 : 茂志素

 助理管工
 : 张許倫

 助理安全經理
 : 張帆

 安全立任
 : 劉偉傑

 助理安全主任
 : 曾正明

 Zone 7

 遊廳總管
 : 陳家樂

 管工
 : 陳像雄

 助理音工
 : 江景培

 助理安全經理
 : 梁帆

 安全主任
 : 劉偉傑

 助理安全主任
 : 曾正明

 Zone 2

 地盤總置
 : 林探忠

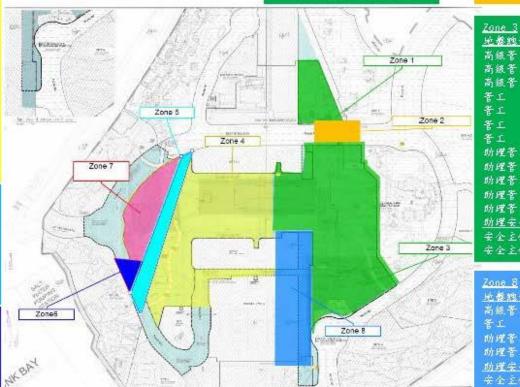
 高級管工
 : 曾偉權

 助理管工
 : 梁守羅

 安全定任
 : 黃虎傑

 安全定任
 : 吳永權

 助理安全定任
 : 練建呈



地藝總書 : 林振忠 高级管工 : 曾傳載 高级管工 : 周頌邦 高級晋工 : 連偉基 苦工 祭健文 苦工 郭偉雄 苦工 : 傅志恒 晋工 朱善良 助理餐工 助理管工 : 李政恆 助理餐工 模批奇 助理餐工 - 張輝宝 助理餐工 楊澤梁 助理安全经理 黄立林 安全主任 : 黃億傑 安全主任 吳永檬

Zone 8 地最總管 林振忠 高級管工 曾傳播 晋工 柳勤诛 助理者工 麗明德 助理者工 : 黃直縣 助理安全经理 安全主任 李来海 安全主任 展宏智 助理安全主任 練穿呈



地盤5S推行情況





地盤5S推行情況---1S 整理





地盤大門整潔, 裁種驅蚊草





整潔通道, 人車分路











寫字樓清晰指示





分判工人生活區







提供工人舒閒休息區







沖身



衣物晾罐區

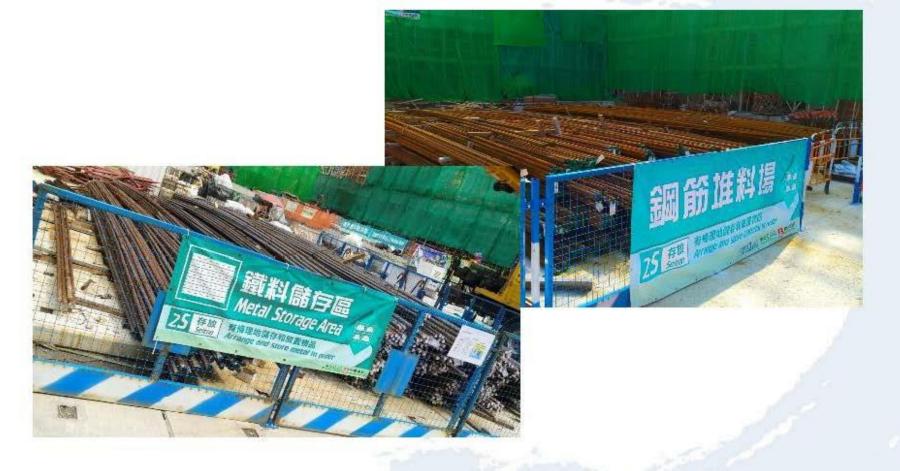


地盤5S推行情況---2S 存放





鐵料儲存區





設立停泊區



大型海報推廣





辦公室文件有序放置





物料分類存放







手工具整齊存放







地盤5S推行情況---3S 清潔





地盤5S推行情況——3S 清潔

地盤各區環境











中國建築工程(香港) 有阻公司

CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

地盤5S推行情況——3S 清潔



於地盤各處安排垃圾桶, 並列明清潔時間



定期清理污水處理泥漿



提供洗手設備



定期清理去水口

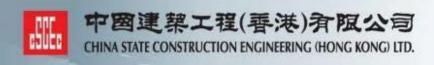


地盤5S推行情況---3S 清潔





提供足夠飲水設備及定期更換飲水機濾心; 提供制冰機制冰,供工人冰凍飲品之用。



地盤5S推行情況---3S 清潔

先鋒隊每日清潔

地盤每日根據巡查情況,分區定出每日的清掃地點。由分區管理 人員帶領雜工,每日由17:30 至18:45集中地盤資源清掃。工地相信 每日清潔一點點,工地整潔必定得到很大的改善。

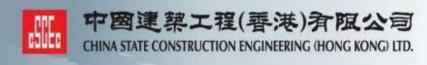
安排推行後, 工地的整潔有明顯的改善, 逐步向前。











地盤5S推行情況---4S 標準



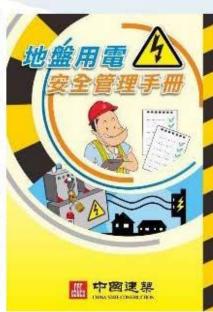


安全工作手册及安全管理手册











吊運工作標準及要求





「高處工作安全三寶」展示區



以海報及LED顯示安全資訊





手電工具檢驗標籤





制定吊重工具識別的標準方案

Colour Code System on Lifting Gears 起重裝置辨色定期檢查表

Jan - Mar 一月至三月	BLUE 藍	
Apr — Jun 四月至六月	YELLOW 黄	
Jul — Sept 七月至九月	GREEN 練	
Oct — Dec 十月至十二月	ORANGE 橙	
To be removed from the site 不能再使用 待移離工地	RED 紅	
Equipment under quarantine 工具待驗	WHITE 自	











5S 良好例子





中國建築工程(香港)有限公司

CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LTD.

地盤5S推行情況---4S 標準

創新及具創意的安全措施 管道作業智能手帶安全管理系統



即時監察系統畫面



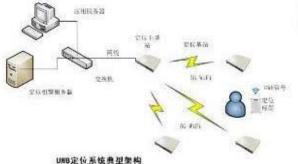
移動基站 -每條隧道內 安裝3~4個





智能 手帶







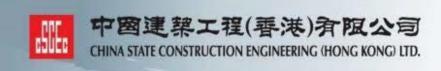
工友進入非核準的管道:

 手環會震動,發 出警報,提醒該 工友。



工友進入非核準的管道:

 監察畫面會發出 警報,並即時指 出是該名工友及 其位置。



地盤獲獎情況

2018 - 創意工程安全獎

由發展局、建造業議會及香港建造商會主辦的比賽中,本工地獲得以下殊榮,受到業界肯定:

- ▶ (金獎) 2018 創意工程安全獎 安全操作設施類別
- ▶ (銀獎) 2018 安全短片比赛 密閉空間工作











地盤5S推行情況---5S 參養





地盤5S推行情況——5S 參養

早會早操

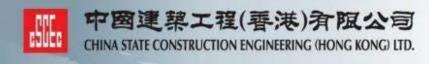
與工人齊鍊氣功, 推廣工地整潔注意點











地盤5S推行情況——5S 修養

地盤注重公德和鄰里關係,保持投入資源進行地盤外的環境整理



為康城站A出口提供圍街照明



為鄭里 (7-11) 解決輕微工程問題



安排工友定期清潔地盤周邊環境



安排工友定期清潔去水口, 避免水淹



地盤5S推行情況---5S 修養

制訂建造業關顧新人工作安全指引,關顧新入行(P牌),新到工地工人(N牌)和關愛組工人(C牌)

每星期安排由專人向P牌工人進行連續 六次(兩個月)重點培訓,認識地盤內工 作的安全及衞生理念,為日後施工安全 和衞生的工地環境打好根基。



安排專人向C牌工人關顧其工作情況及不可單獨工作。





地盤5S推行情況---5S 參養

推動行為安全之星, 鼓勵工友主動推行工地整潔













行為安全之星是由本司開發的手機程式,工友在工地執行安全、工地整潔等工作時將會收到獎勵,從而推動工友自發保持工地整潔。7月在本地盤率先開始試行行為安全之星系統,並在9月19日於本地盤舉行中海集團行為安全之星的啟動儀式。



地盤5S推行情況——5S 參養







總結

本項目相信,推行5S,並不單單從單一 S便可成功,每一S是環環相扣而不可分割的 。決定能否成功推行5S的因素中,除了令工 友有標準可跟隨外,工友本身的自律及自發 是最重要的一環。

本項目注重鼓勵工友多關注58計劃,將 58宣傳融入到工友的工作環境中,比如提供 展覽、宣傳海報、早會分享等。項目之後會 繼續推動58,令工友可享受由58所帶來的安 全和衞生工作環境。

項目亦因積極推動5S政策之實行,至今 保持良好安全紀錄,並提供一個整齊及舒適 的工作環境。

本項目透過執行不同階段之58管理方案 ,並針對相應的工序而做出應對,本項目團 結一致,繼續保持成效。







- 匯報完畢

謝謝!

Here is the footage of

"Safety Forum 2019 for Works Contracts and Property Services Contracts"

which was held on 3 July 2019

by the Hong Kong Housing Authority

The Speaker is

Mr. Chu Wai Kit

Safety Officer of China Overseas Building Construction Ltd.

His topic is Sharing of Construction Category of

Good Housekeeping Competition 2018-2019 by the Gold Award Winner

Next, besides the keynote speeches just now

we are very happy to have the Construction Group Gold Award winner

of the Good Housekeeping Campaign 2018-2019

organised by the Labour Department (LD), OSHC and CIC

to share with us

Please welcome

Safety Officer of China Overseas Building Construction Ltd

Mr. Chu Wai Kit

to share his experience

Mr. Chu Wai Kit, please

Good afternoon, everyone

Time is limited

I will try to finish my sharing quickly

Let me introduce myself

I am from China Overseas Construction Ltd

Safety Officer Chu Wai Kit

I am happy to speak on behalf of our site today

With the success of the project of Phase 7 Lohas Park

I will share our feelings of winning this award

I will first introduce the site

It is a development above the MTR

Wheelock Properties is the developer

We are the main contractor

and responsible for MTR Corporation shopping mall development

Work period is 52 months, project cost is \$5 billion

Work started in 2017

Look at this aerial photo

It is a very big site

The grey area in the middle

is the Lohas depot currently

On this depot, we will build

the only shopping mall in Lohas Park

There are roadworks too

On top of the shopping mall

there are two 58-storey residential buildings

From the section

it is clear that the grey area is the current depot

The shopping mall will be in area A and B

There are 2 transfer plates on the shopping mall

There are 2 transfer plates on the shopping mall

where two 58-storey buildings will be built

I will share our site management methods

We adopted 5S management system

We adopted 5S management system

You must have heard of 5S

It is not an easy task in implementing that on site

In 2017 we started to implement the 5S system

we experienced good effects of the 5S system

In 2017 and 2018 we received the gold award

I have a little experience to share

First is Seiri

We believe that effective housekeeping need to rely on

workers and subcontractors working together

We started from gates and doors

Even a simple main door must not be taken lightly

Say, the entrance of a mall

can actually affect the behaviour when you go shopping

for example, between Argyle Centre and Pacific Place

When you go to Admiralty

you would tend to display more decent behaviour

We are convinced of this

Therefore, resources are devoted to the housekeeping of the gate

We do greening work at the gate

plant anti-mosquito species on-site

and pay attention to the ethics on site

Regularly arrange mobile working platform to clean the gates

to keep up our company image

and let people see our effort

Regarding housekeeping on site

we put a lot of resources outdoors

Look at the first photo

There were plastic barriers outdoors

separating vehicles and pedestrians and materials storage

On the right, there were safety cones and barriers indoor

along pedestrian access

to prevent subcontractors from accumulating materials there

We devoted plenty of resources on site

regarding signage on site

there were attractive signs all over the site

For example, when the Labour Department comes to inspect

they don't have to ask

but know their way to everywhere

We had done a good job in this aspect

We provided clear instructions for different people

We concerned about workers' welfare

Many facilities were set up

There were different living zones

On the right was an air-conditioned pantry

In the middle was a green rest zone

and subcontractor's workshop

Regarding toilets

we understood people are annoyed with the toilets on site

We avoided using mobile latrines

but used container-type toilets

There were also shower facilities

and clothes drying zone for workers

Regarding Seiton

Generally people think sites are messy

Under 5S system, innovation, money

and manpower are needed for housekeeping

We did it effectively

We called it bullpen

Blue iron barriers with an iron base

We had made a huge order of these barriers

We set up storage areas in different zones

Especially for big items

such as iron items or steel formwork

Set up storage areas for storing materials

In outdoor areas, there were designated locations

for the parking of mobile plants

We had hung many flyers to show parking zones for vehicles

Stuff would not be left lying in the parking zones

We had also made many banners for project promotion

Regarding the office, documents were placed orderly

Filing Colour Code System in offices provided visual clarity

which saved filing time and raised work efficiency

Labelling was important for storage

Materials were sorted out by different names

Different storage cages were provided

We started from the machine room and material storeroom

and hoped to extend this culture to our subcontractors

The third S is Seiso

The site must be kept clean

There were many covered rubbish bins on-site

On every rubbish bin

there was a label stating the daily removal time

We provided sufficient facilities for washing hands

Sewage was also processed through

precipitation tank and chemical tank

Workers regularly

cleaned up pipe outlets around the site

We paid attention to drinking water facilities for workers

These facilities were placed in covered areas inside the building

These facilities were placed in covered areas inside the building

For the outdoors

drinking water facilities were also put in covered areas

There were kettles

Boiled water was provided for workers

There was also an ice machine

All drinking water facilities had the

filters replaced and repaired regularly

Regarding cleaning

the industry consider it difficult to keep sites safe

even more difficult to keep them clean

Our decision was

At 5:30 daily, foremen would lead their teams

of general labourers

to clean up various locations on site

Clean up for the day, do not take this task lightly

If 10 Kg of garbage was produced a day without clean-up

100 Kg of garbage would be accumulated

Daily clean-up effectively enhanced site cleanliness

Daily clean-up effectively enhanced site cleanliness

Do consider this strategy

Regarding Seiketsu

There were so many programs

We standardised these programs and implement them on site

We had printed different booklets

and management handbook for the management level

or for the reference of subcontractors

so that they knew the standards of our site

These standards were printed on different banners

and hung at various locations on site

Workers knew the simple requirements onsite

Follow them and visualise them

Many companies just now

have introduced the 3 safety bubbies

We made this standard visualised

and showed it in the display zone of the site

Look at the right hand side of the photo

For work at height and work above ground

What equipment was necessary

The display in a museum-like area gave a visual effect

That made an impact on the workers

They would not use the facilities without any safety equipment

We hoped to achieve this effect

The effect was quite good

Different banners demonstrated good and bad practices

Different banners demonstrated good and bad practices

They were good education tools

Let me share about our site situation

Lohas Park was on the MTR depot site

Above the depot, a shopping mall would be built

There were 24 throughways in the depot

We just saw these throughways

They were like subways

Not much taller than me

Each was about 100m long

We devoted some resources to

develop this item

to manage the flow of workers in and out of the throughways

In the past, throughway management

solely relied on a permit system

This new measure

monitored workers going in and out of the throughways

This invention had won the recognition of the industry

The Development Bureau and CIC

had given us an award of Innovative Safety Initiative

Regarding Shitsuke

we expected our staff to be self-initiative

be a good influence on others in a caring culture

Every morning workers did Qigong exercise together

and be reminded of points to be aware of

There were volunteers in the Lohas Park neighbourhood

They did cleaning and minor works

Lastly were the Newcomer group and Probationer group

Site personnel are familiar with them

Dr. Yeung mentioned them just now

we also had Caring group

Workers above 60 would be provided with 'C' label on their helmets

We told workers, when they see workers with a 'C' label

We told workers, when they see workers with a 'C' label

to care about them proactively

as they are over 60 and old

We should show our caring culture

Finally it is Safety Star app

Dr. Yeung mentioned earlier

our site rolled out the Safety Star

mobile app for use on site

When workers showed the caring culture

the management would actively

give them credit points via the app

These credit points could be accumulated

With 5 credit points

workers could redeem a gift coupon from the site's safety department

We believed the 5S system were closely related

It is rather difficult to adopt 5S system on site

But we believed proper site management

would lead to good site safety

The sharing today ends here

Thank you

Thank you Mr. Chu

Please be seated

We now understand

We must have heard of 5S system

but are we willing to implement it

Promote it extensively, consistently, for workers

it can create a safe work environment

As Mr. Chu has shared

5S system can be applied to all situations

Be it a door, access or signage

Be more creative and it can be done

Thank you for watching