



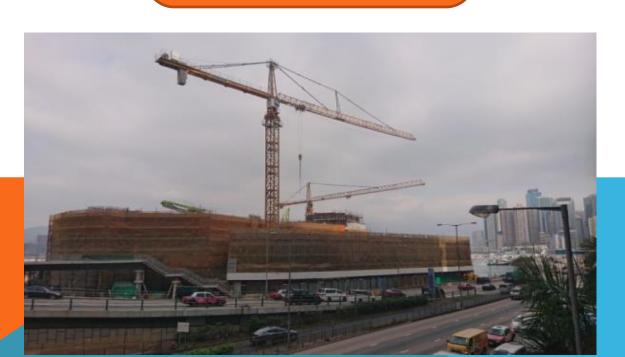






Site Description

Building

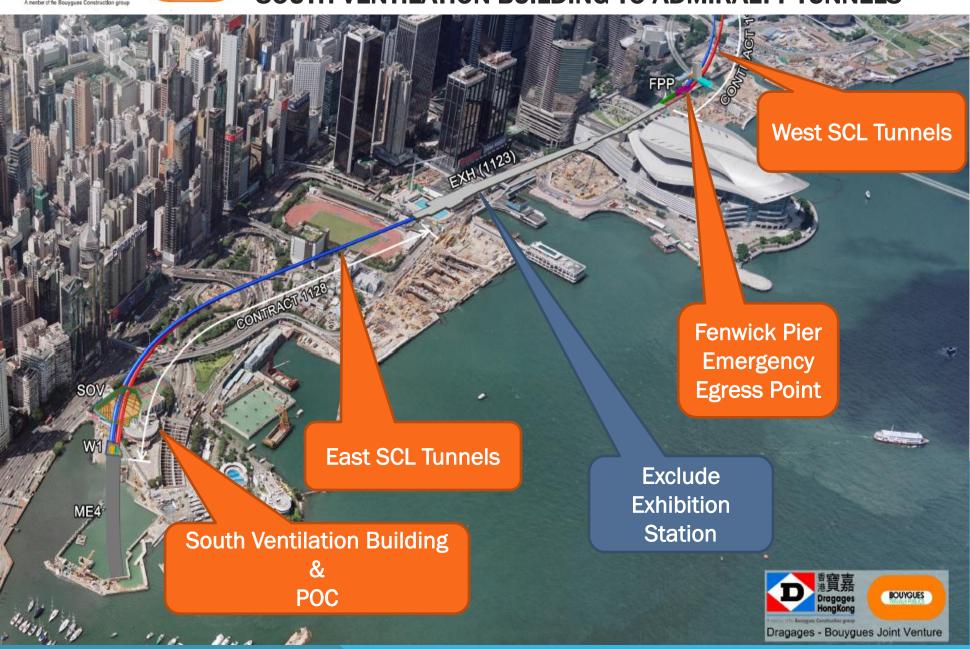


Civil













Site Description

The main scope of the project:

- Shatin to Central Link Tunnels by TBM
- the Fenwick Pier Emergency Egress Point (FPP)
- the South Ventilation Building (SOV)
- Re-provisioning of POC

TBM Tunnels & FPP

SOV & POC







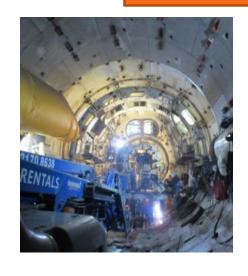


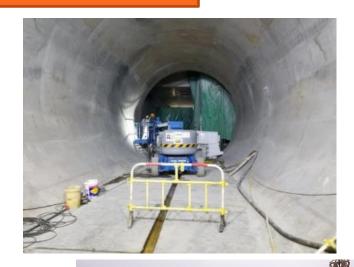


Site Progress

Eastern & Western SCL Tunnels (Finished)

Fenwick Pier Emergency Egress
Point (ABWF Works)







South Ventilation Building & Re-provisioning of POC (Under Construction)









Working at Height Control Hierarchy

Design for Safety

Engineering Control

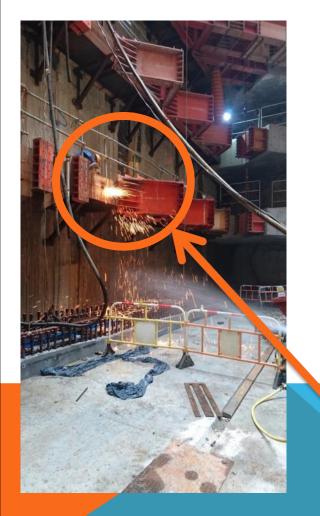
Safety Promotion





Strut Free TBM Launching Shaft

Traditional Launching Shaft







Welding at Height



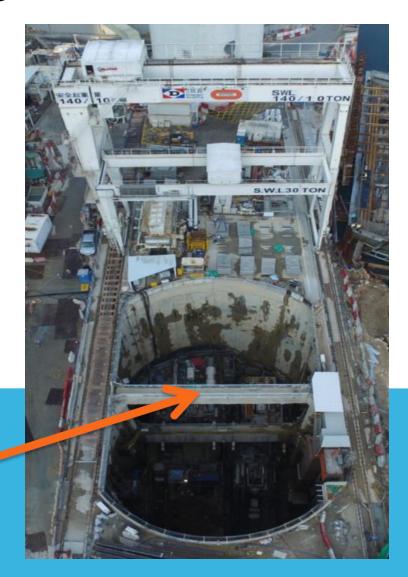


Strut Free TBM Launching Shaft

Construct First Dual Circular Shaft in Hong Kong







2 Concrete Beams to support





Remote machinery for D-Wall Opening

Using

Concrete Breaker



Coring & Wire Cutting

Before



Open by Wire Cut





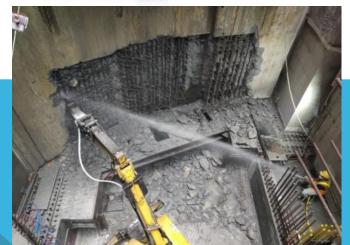
Remote machinery for D-Wall Opening

Review method for large opening











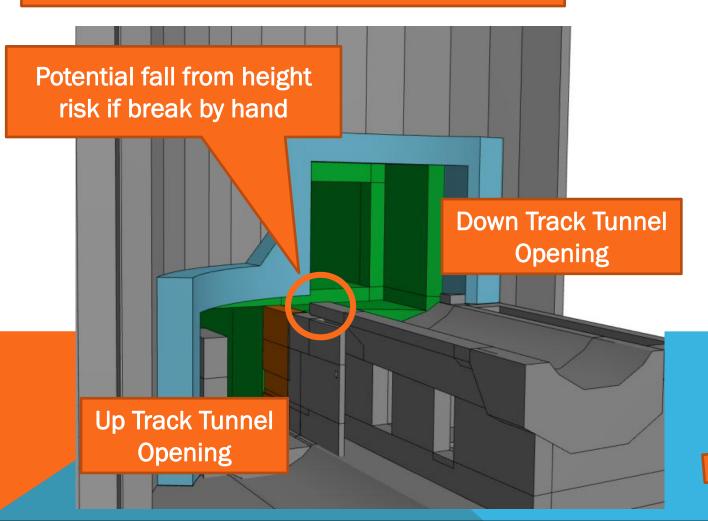


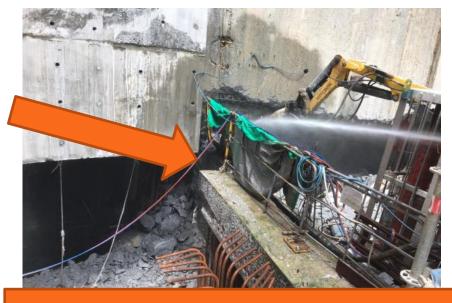




Remote machinery for D-Wall Opening

Foresee potential fall from height risk





Utilize small size Brokk to break





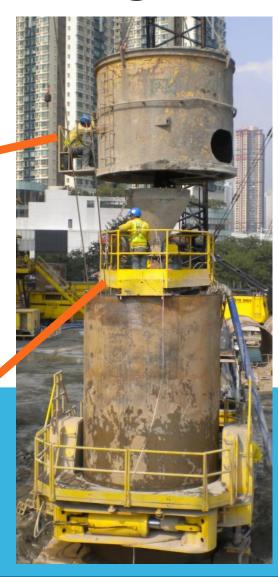


Remote Bucket for Bored Pile Concreting

Traditional Bored Pile Concreting method











Remote Bucket for Bored Pile Concreting

Bored Pile Concreting Alternative Method



Control





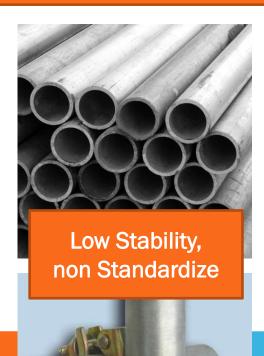


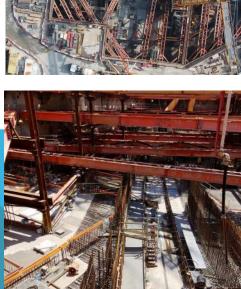




Using PERI UP Formwork & Scaffolding System

Traditional formwork cannot fulfill our requirement

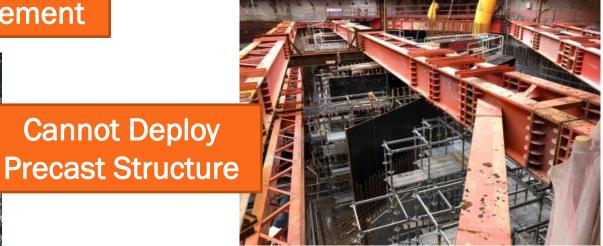








Cannot Deploy







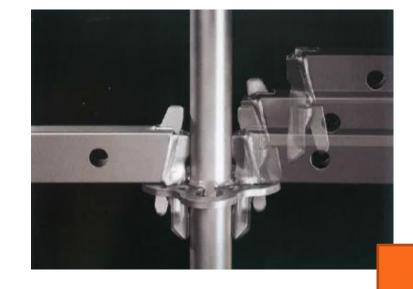


Using PERI UP Formwork & Scaffolding System

Advantages of using PERI Up Formwork & Scaffold











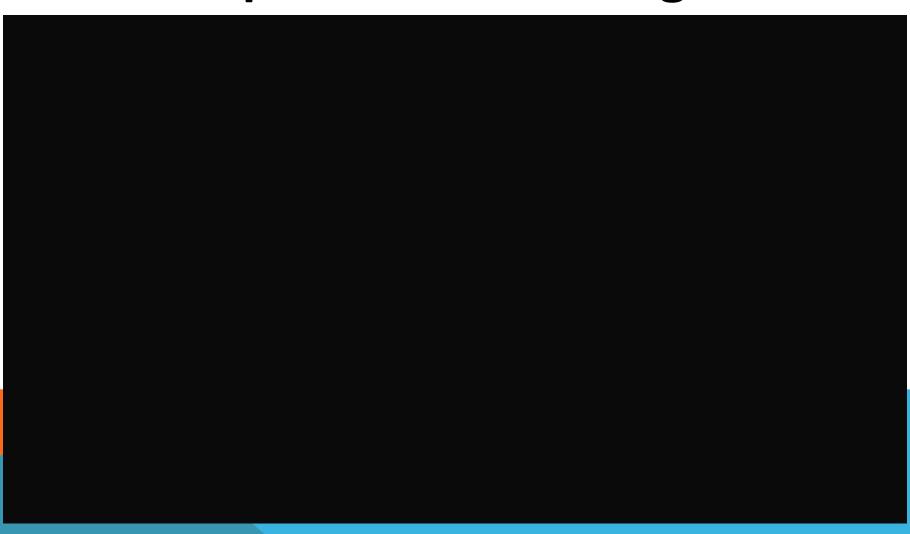
Self securing ledger







Extension pole for face marking in tunnel







@MTR

Extension pole for face marking in tunnel





Challenging - Restricted environment

Projects Division

Safety Innovation Awards 1 100

E + Proper

L PRAYER ARREST FROM PROPERTY - RALL

AND REAL PROPERTY - RALL

TO MANUAL PROPERTY - RALL

TO MANUAL PROPERTY - RALL

REPRESENTED LAND PROPERTY

創新安全設計比賽

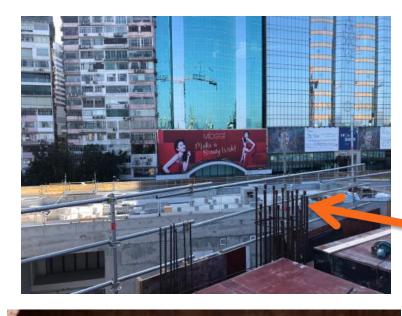


Highly commended in client's innovation award





Elevated Guardrail



Pre-installed guardrail



如你有好嘅相片, 請電郵傳高級建造安全顧問黃勝浩





Commended by

Client

WEIGHTAYSAVERINAUIPDAYNE





it can be of fibre

or metal cables.

One Vertical

person only.

Lifeline for one

bsorbers - Only

apply to high level

rope (dia. 15.9mm fit to fell arrestor)

(min. firmm at 2530N

breaking strength)

MTR SHATIN TO CENTRAL LINK CONTRACT 1128 SOUTH VENTILATION BUILDING TO ADMIRALTY TUNNELS

MTR Shatin to Central Link Contract 1128 South Ventilation Building to Admiralty Tunnels

Develop Simplified Safe Working Procedure

nplified Safe Working Procedure for Anchorage Point and Lifeline Usage

Standardize Working **Procedure**

e.g Built-in eye bolt, rigid heam

strong culumn of a building etc.)

scaffolding, hamboo scaffolding,

section of pipes, window frame

Anchorage with minimum pull-out force of

Anchorage points - Eye boits, enchorage line

Horizontal lifeline

hould be used

one time between supports. (Use of double landyard safety harness)

fittings and embedded material should be

checked by Professional Engineer of the

Horizontal Lifeline

rce of 0.75 - 1.0 KN

(e.g. Any member of a temporary

SAFETY WORKING SEQUENCE - STEP BY STE

Management Team



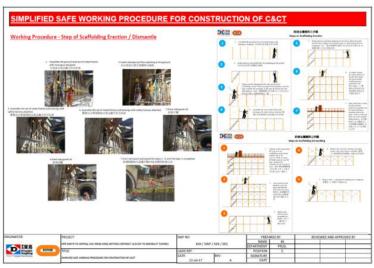


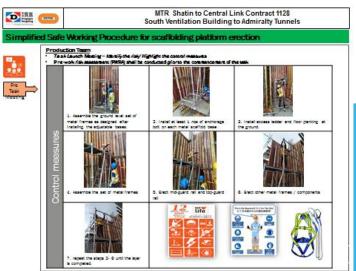


Develop Simplified Safe Working Procedure

- Scaffold Erection / Dismantle SSWP
- Half-Landing Scaffold Erection SSWP
- Using Safety Harness SSWP











Develop Simplified Safe Working Procedure

Half Landing Erection Method



Provide temporary half-landing



Provide toe-board



Stand on halflanding to erect guardrail

Remove the temporary - landing and erect the 2nd level planking

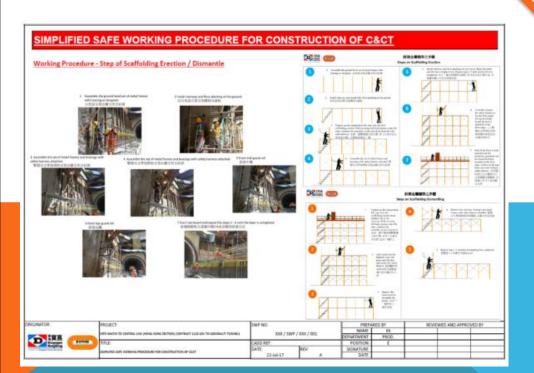






Develop Simplified Safe Working Procedure

Briefing to related parties









Work at Height VR Training

VR Work at Height Training Sessions

- Induction Training
- Worker Safety Meeting













Safety Day







Safety Information Day



Sharing safety Innovative measures







WAH Promotion Slogan

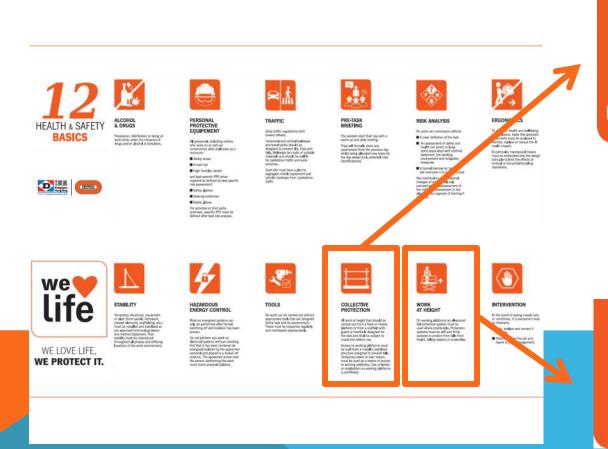


Working at height safety Everyone duties vigilance





12 Health & Safety Basic



COLLECTIVE PROTECTION

All work at height that should be carried out from a fixed or mobile platform or from a scaffold with guard or handrails designed for the task and shall be subject to inspection before use.

Access to working platforms must be built from a metallic stabilized structure designed to prevent falls. Temporary stairs or stair towers must be used as a means of access to working platforms. Use of ladder or stepladders as working platforms is prohibited.

WORK AT HEIGHT

On working platforms an all-around fall protection system must be used where practicable. Protection systems must be stiff and fit for purpose to protect from falls from height, falling objects or projectiles.





12 Health & Safety Basic



Display Banner on site

Briefing to all site workers Distribute leaflet on site







CIC Outreach Service







Work at Height Promotion Video





Question

建造圖中的雙圓(花生)型豎井能減少大量高空工作

而本工地的雙圓(花生)豎井為香港第幾次建造呢?

- A. 首次
- B. 第二次
- C. 第五次

