

Zero“0”意外
ACCIDENT

地盤零意外 關懷建未來
Zero Accident, we Build, we Care



發展局
Development Bureau



CONSTRUCTION INDUSTRY COUNCIL
建造業議會

工地齊FUN享

Site Safety Gathering

Sharing Session 2 for Working at height

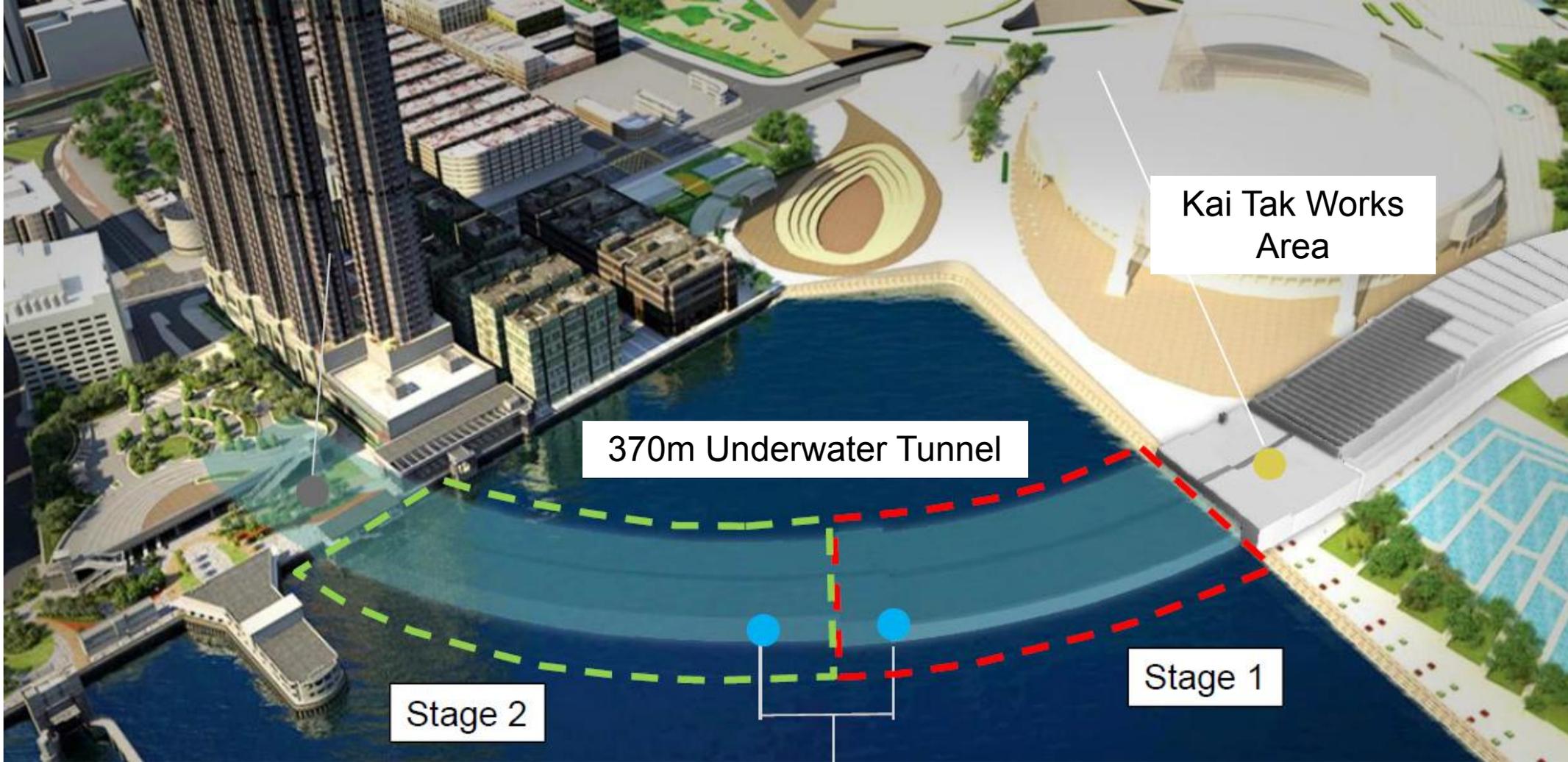
- Introduction
- Underwater Tunnel Skidding System
- Modular ELS System
- VR Training Kit

Central Kowloon Route



Kowloon Bay Marine Works Area

Introduction



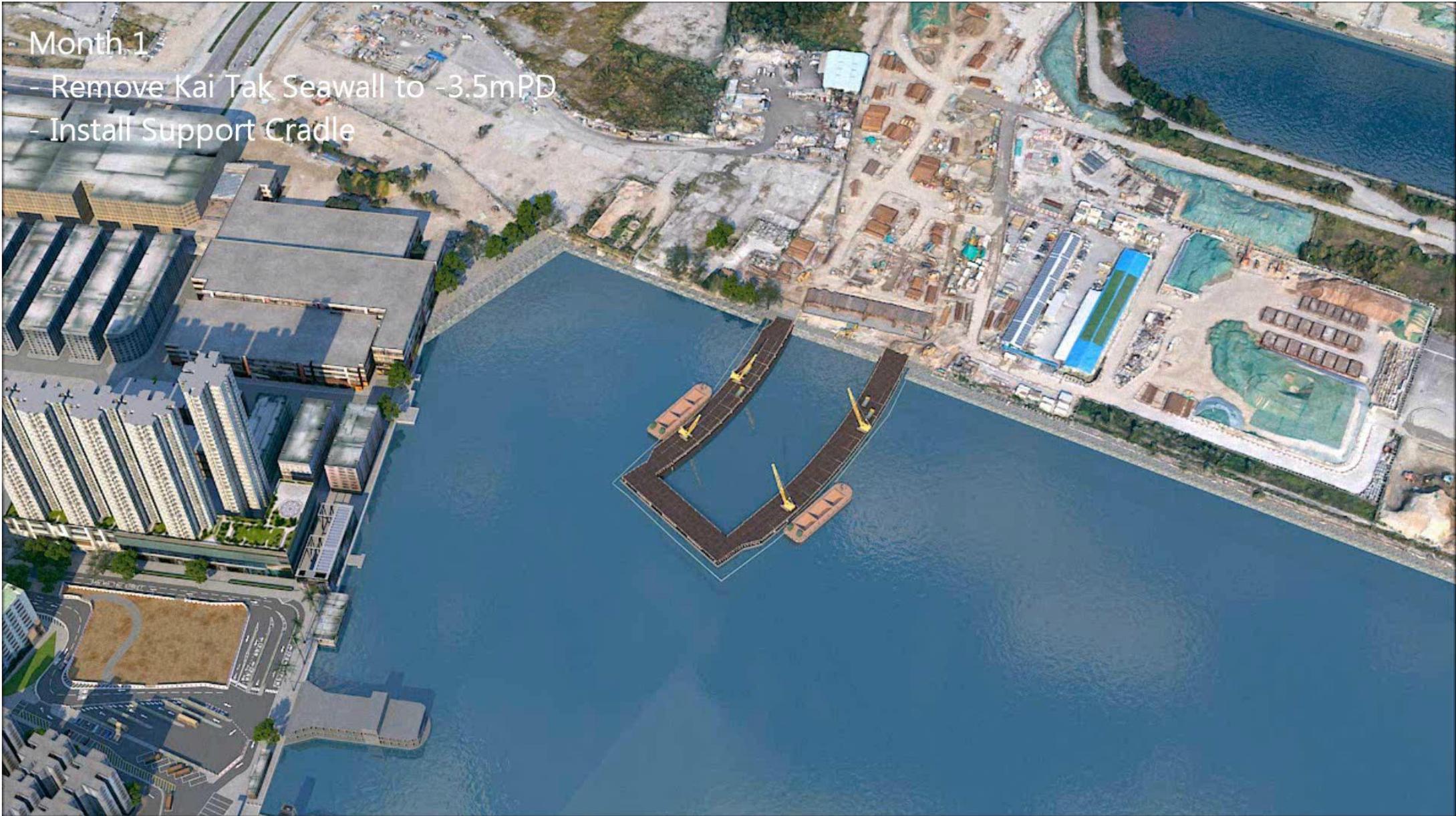
ELS System for Underwater Tunnel





UNDER WATER TUNNEL SKIDDING SYSTEM

Construction Method Simulation

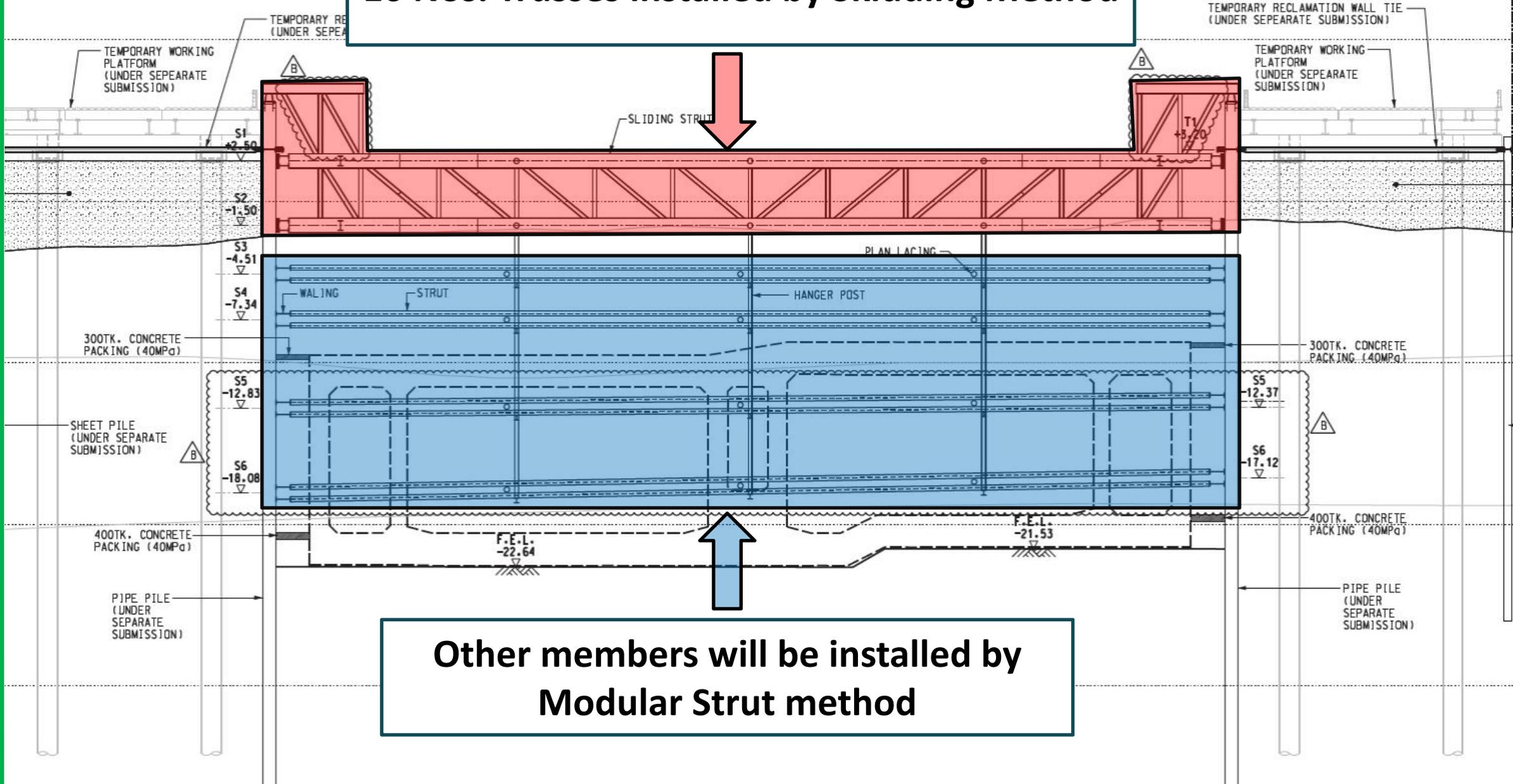


Month 1

- Remove Kai Tak Seawall to -3.5mPD
- Install Support Cradle

Underwater Tunnel Skidding System

16 Nos. Trusses installed by Skidding Method

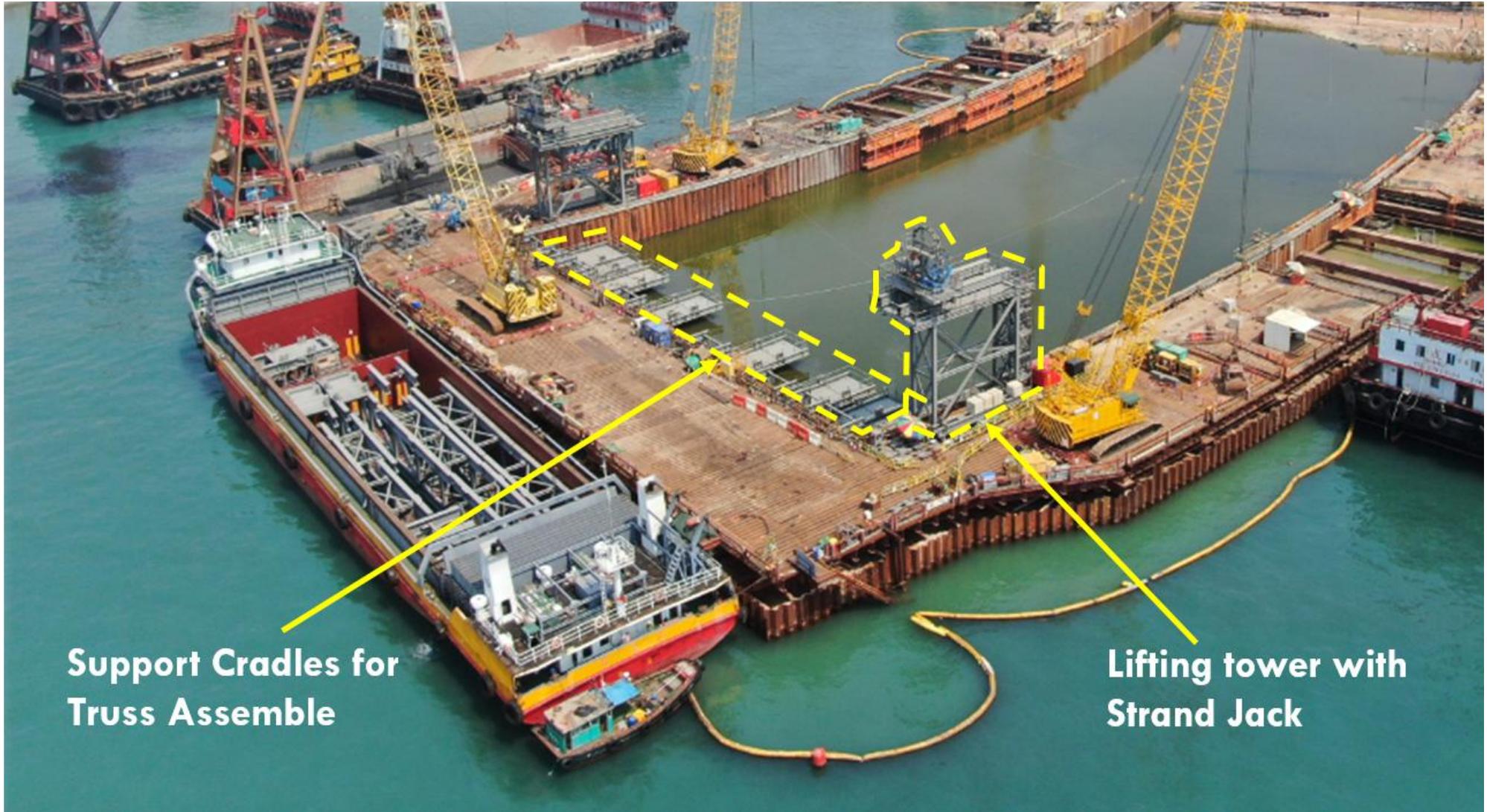


Off-Site Truss Fabrication

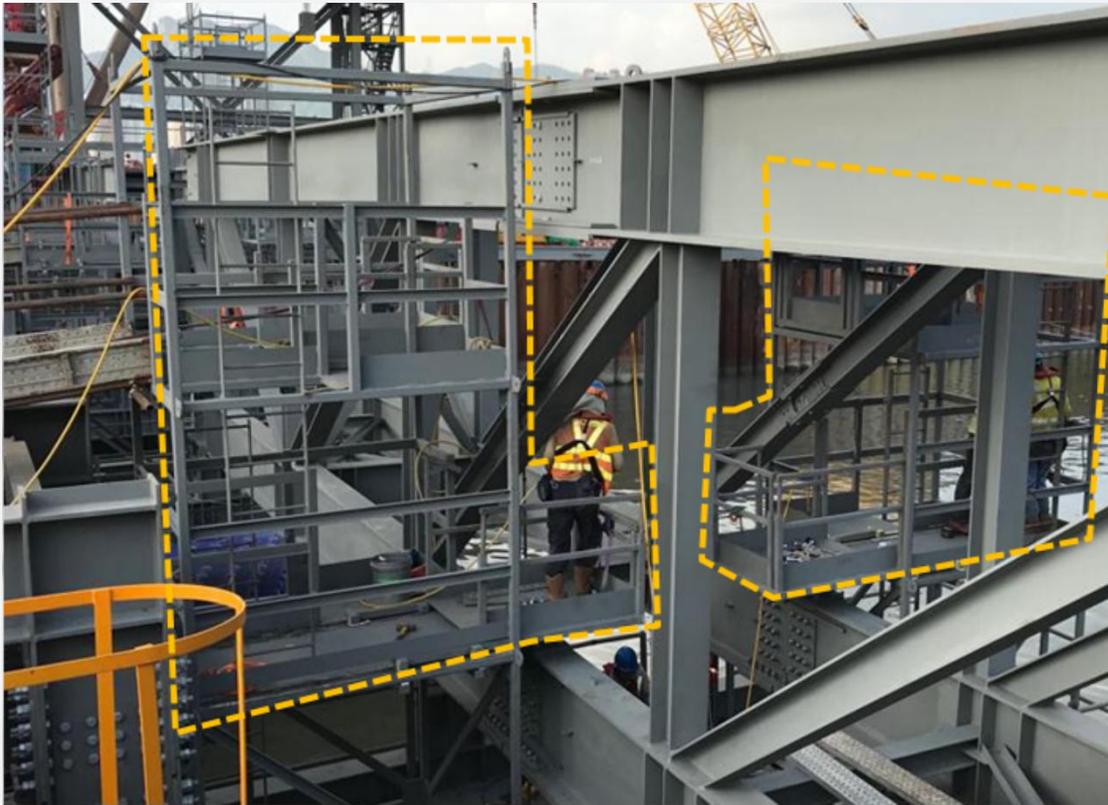
- Members were assembled in factory-controlled environment
- Fewer risks comparing to on site fabrication



On-Site Installation



On-Site Installation



Working Towers

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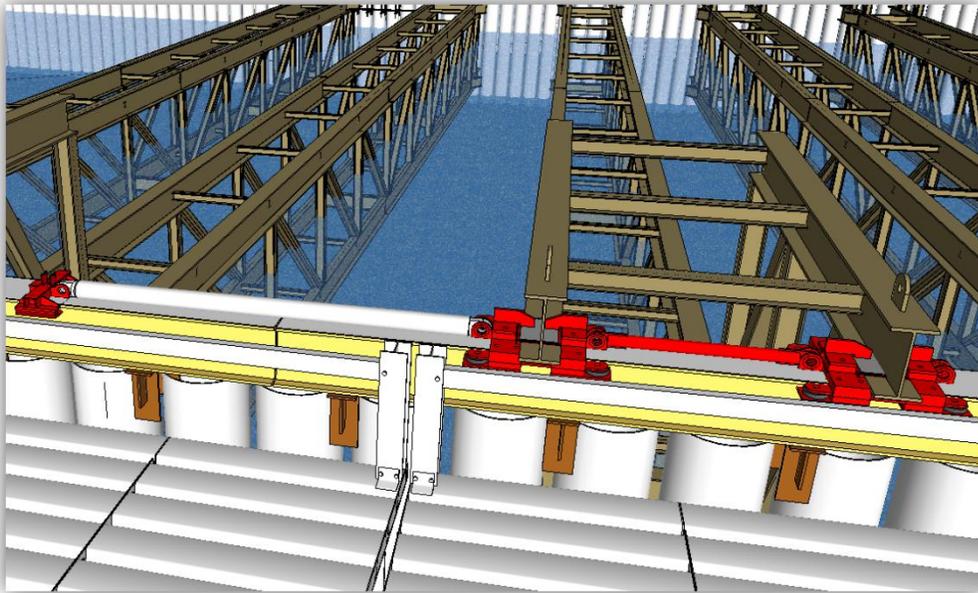
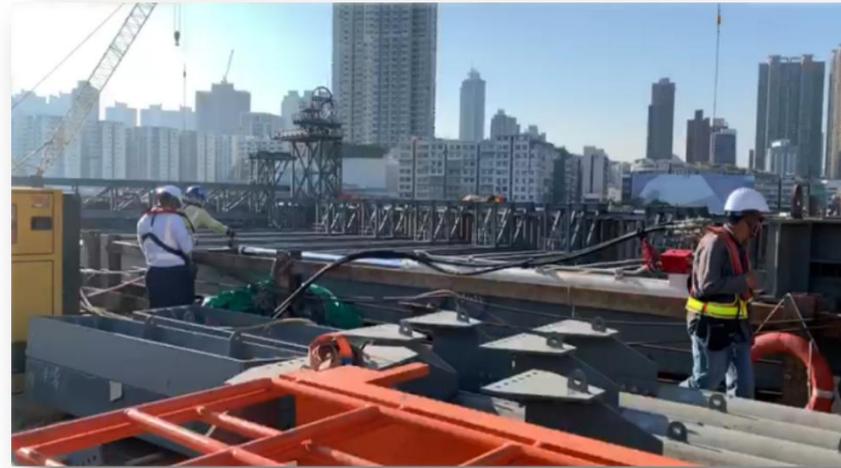
- Designated working towers for bolt fixing works at height
- Guardrails system was prefabricated on the towers
- Fall protection was ready once the towers had been lifted into position

On-Site Installation



- Lifting the whole assembled truss by lifting towers into the rails for further skidding process
- Eliminate the risk of working at height for connecting the strutting members

On-Site Installation



- Skidding of truss on rail by hydraulic rams
- Operatives stayed on the marine working platform with robust guardrails throughout the skidding process

Benefits on Working at Height



- Greatly reduce working-at-height processes of the ELS installation
- Designated working towers with prefabricated guardrail system to provide instant fall protection
- Operatives can stay inside the marine platform throughout the skidding process

VR Kits by CIC

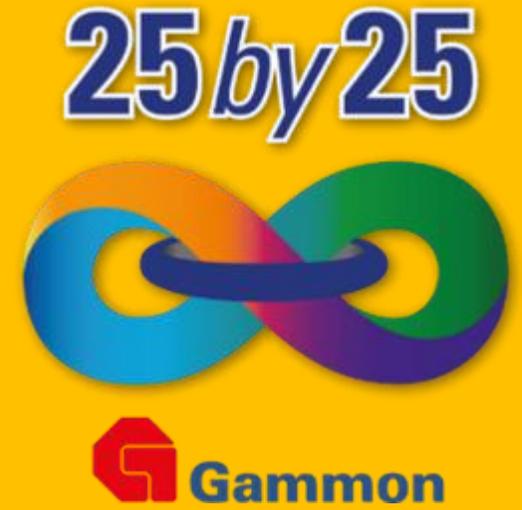
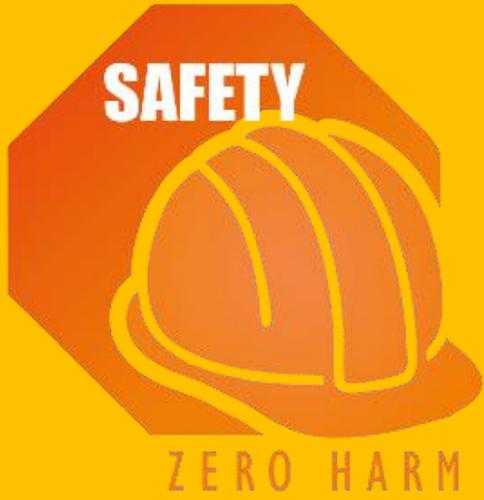
VR Kits by CIC

VR Training Kit



- **Integrated VR Training Kit into regular site safety induction training**
- **Using VR Training Kit for conducting Tool Box Talk of related topics such as working at height, safe use of MEWP & scaffold etc.**





- END -

