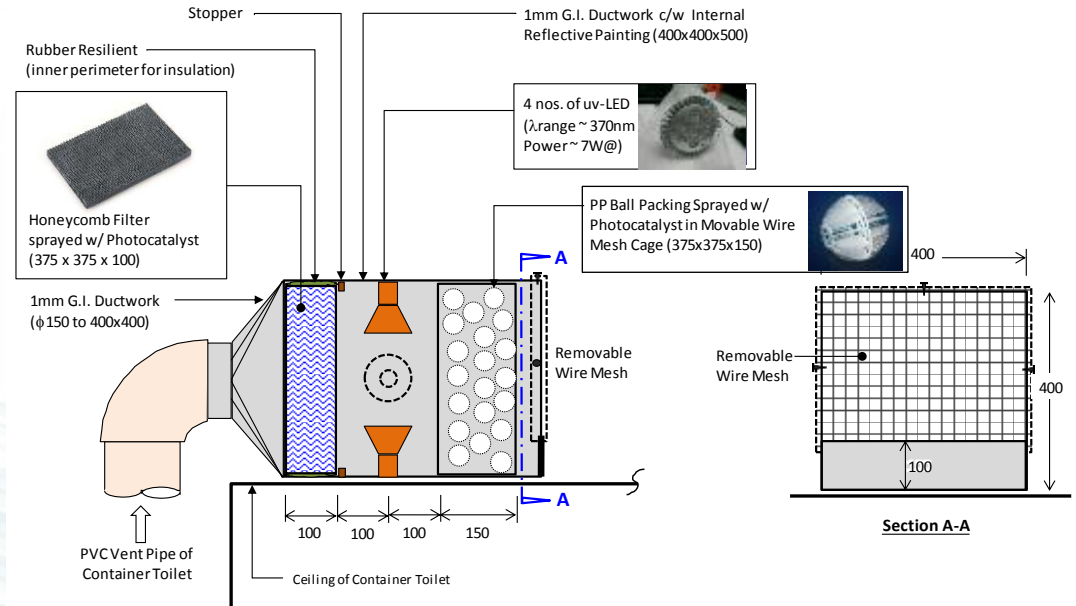




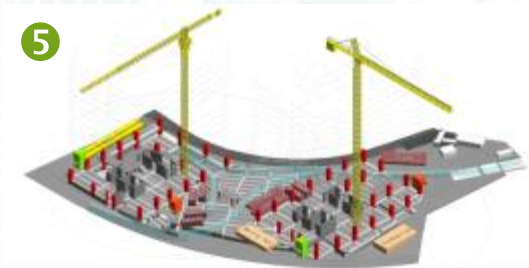
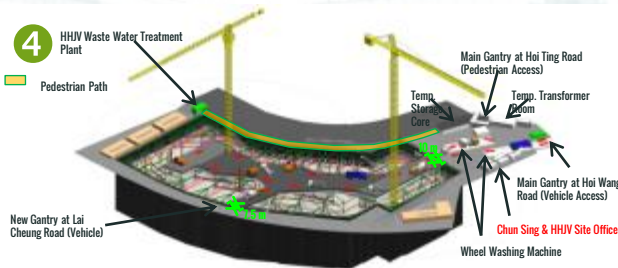
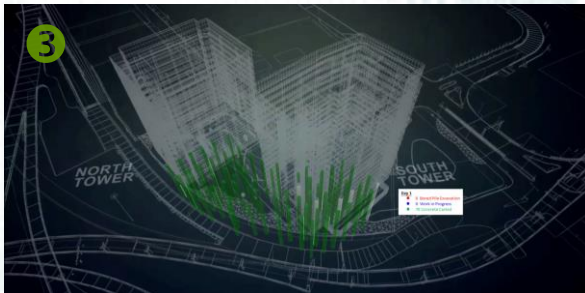
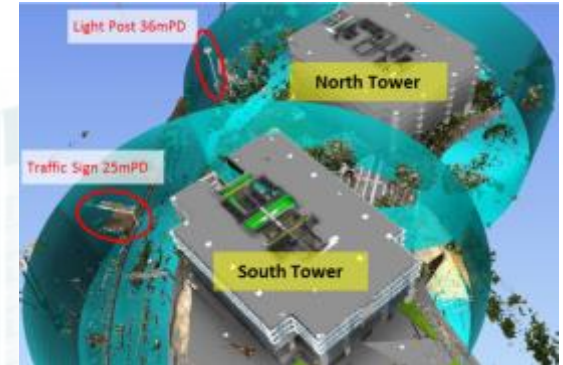
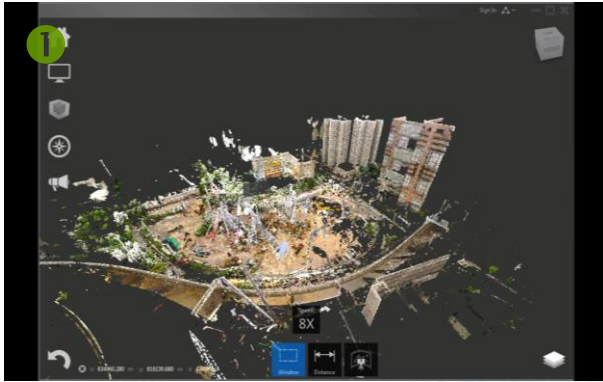
NH₃ Removal Efficiency
= ↓ 97%



Toilets Photocatalyst Deodorizer



Building Information Modelling (BIM)



Logistics Planning during substructure construction

- 1 Use 3D Laser Scanning
- 2 Tower Crane Working Radius Simulation
- 3 Site Progress Monitoring

- 4 Logistics planning with 4D BIM
- 5 Swept path analysis

Building Information Modelling (BIM)

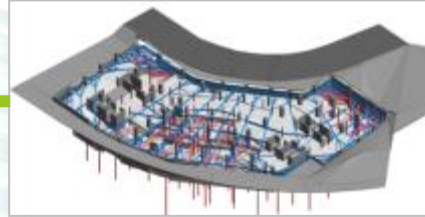


EL S Study

Create ELS Model



Clash detection based on ELS and basement Model



Construct ELS on site



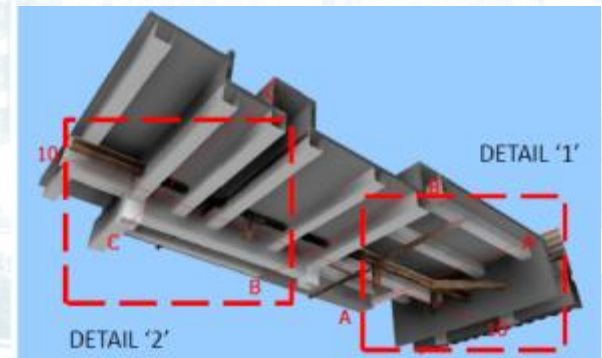
ELS Scanning Model



Create Basement Model



Clash detection based on ELS scanning model and basement BIM model



- ✓ Reduced Clashes on site
- ✓ Reduced reworks

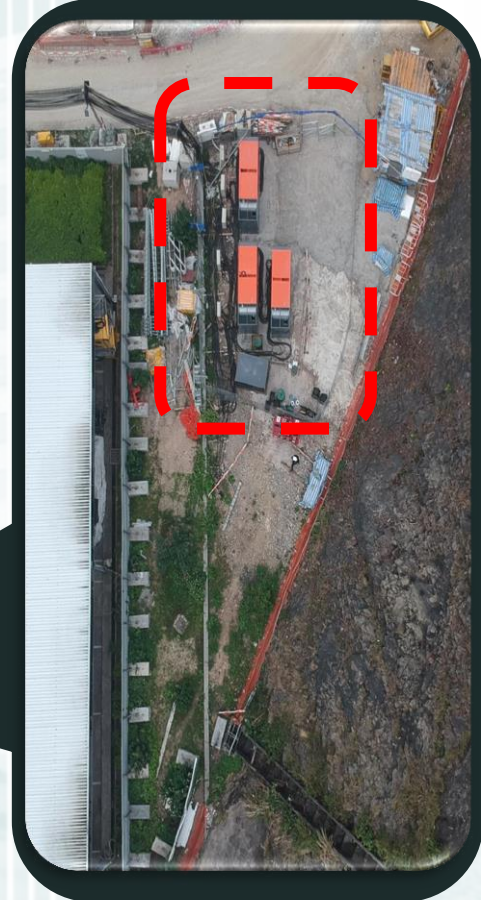
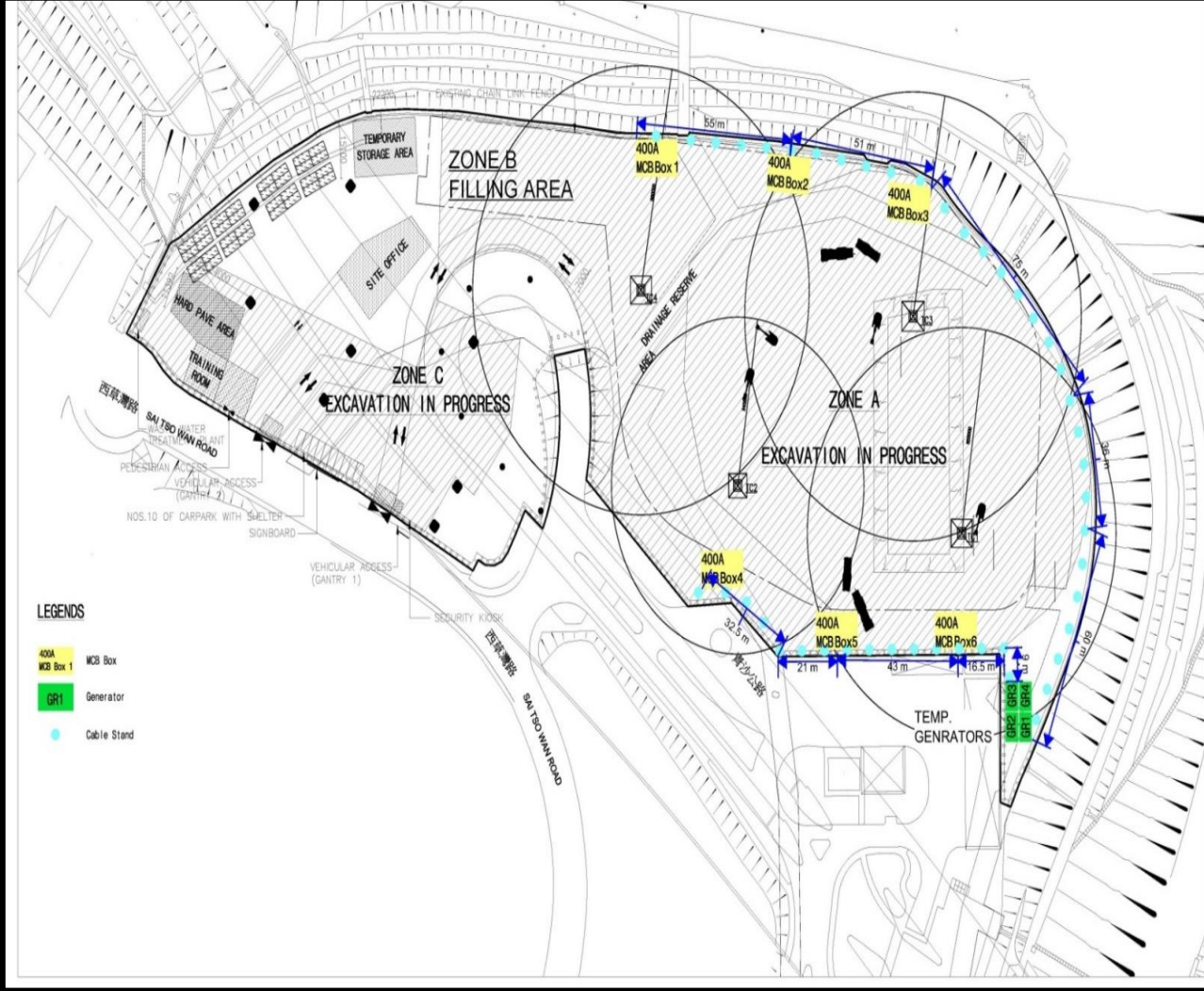
Dewatering bag system for advanced filtration



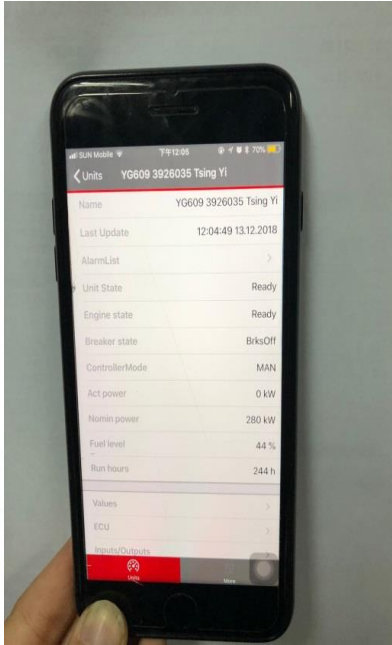
Post-filtration

Pre-filtration

Automatic Power System



Automatic Power System



Real Time Data Monitoring

Advantage of APS System

- Reduce fuel consumption
- Zero downtime on electric power
- Remote monitoring
- Built in drip tray (prevent mosquito breeding)



Oil consumption reduction

2 out of 3 APS gen sets are in used for regular works (4 tower cranes and on-site electricity).