

Organisations Category

Contractor in New Works

Merit Award

Build King – SK ecoplant Joint Venture



Contract No.: HY/2014/20, Central Kowloon Route – Yau Ma Tei West

The project team promotes sustainable construction by:

- Adopts Remote Operated Desilting Robot to conduct silt removing works inside box culvert, replace needs of manual confined space operations;
- Adopts Resonance-free Vibratory Hammer and SilentPiler for sheet piling works to reduce construction noise and vibration;
- Installs solar panel on office roof to harvest renewable energy.



Sustainable Best Practice 1

YMTW invented the Overheight Vehicle Detection System to protect working platforms above high-speed carriageways from damage cause by traffic accidents.

If any over-height vehicles spotted by the AI-LiDAR system, the alarm system will be triggered to notify the driver to drive to the layby and wait for help by dedicated staff.

Sustainable Best Practice 2

YMTW adopt contractor's design to alternative the construction sequence of the overhead ventilation adit.

The new scheme allows more headroom and better ventilation, providing a better working environment for workers and logistic.



Sustainable Best Practice 3

YMTW adopt alternative design for the construction of depressed road using diaphragm wall method. It reduced construction noise impact arise from 276 numbers of socketed H-piles in the original design.

The new design also protects the marine life by embedding 9,000 m³ marine sediment identified onsite inside enclosed concrete structure.