



**CONSTRUCTION  
INDUSTRY COUNCIL**  
建造業議會



**CIC SUSTAINABLE  
CONSTRUCTION AWARD**  
建造業議會可持續建築大獎

# Organisations Category

## Project Owner (Public Sector)

**Gold Award**

**Drainage Services Department,**  
the Government of the Hong Kong Special Administrative Region, China



### Yuen Long Effluent Polishing Plant

The project is to upgrade the existing Yuen Long Sewage Treatment Works to a tertiary treatment plant within the same footprint. Energy neutrality is achieved in Yuen Long Effluent Polishing Plant through energy saving, utilisation of renewable energy, optimised hydraulic and building design, in pursuit of the Government's goal of achieving carbon neutrality in 2050.



### Sustainable Best Practice 1

Energy neutrality is successfully achieved through various design features including energy saving, utilisation of renewable energy, optimised hydraulic and building design. In particular, Aerobic Granular Sludge Technology is firstly adopted in Hong Kong that can achieve up to 20% energy saving against conventional method.

### Sustainable Best Practice 2

The project has widely adopted BIM application for design and construction in particular for design co-ordination between different engineering disciplines across difference contracts. It enables project team to identify problem early and work collaboratively amongst all involved to resolve the problem efficiently.



### Sustainable Best Practice 3

A portion of YLEPP will become a public co-use area whereby the public can enjoy the natural habitats adjacent to Shan Pui River. To this end, the project will provide seating benches made of wood recycled from the felled trees within the construction site for public use.