



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

## Developer (Private Sector)

### Gold Award

**Chinachem Group and  
Urban Renewal Authority**



### Proposed Composite Development at New Kowloon Inland Lot No. 6627, No. 24-38 Tonkin Street & No. 240-240A Fuk Wing Street

The project is the first private residential development built by Modular integrated Construction (MiC) by private developer in Hong Kong. It is a composite development comprising of one 22-storey private residential tower with 198 units, retail podium, landscaped staircase, urban plaza, clubhouse and sky-garden.

With MiC's unprecedented advantage over the conventional construction, buildability and industrialisation of the construction process can achieve a higher level of quality control and assurance, saving construction waste by 60% and reducing construction noise by 75%. Waste management and pollution can be optimised at factory and substantially reduce construction waste due to on-site formworks, and plastering, etc.



### Sustainable Best Practice 1

#### MiC

Improve Working Environment & Site Safety

- Protect worker against adverse weather, reduce risk of fall of persons from height, reduce risk of slipping and trapping of site personnel, etc.

#### Sustainability and Environmental Friendliness

- Reduce duct and noise nuisance to the surrounding environment, minimise construction waste and improve construction waste management.

#### High Construction Quality

- Improve construction accuracy, facilitate quality control through mass production of pre-tested prototype modules and minimise errors in construction.

### Sustainable Best Practice 2

Steel Formwork for MiC Modules

- Benefit for quality, cost and productivity
- CO2 reduction
- Re-use the steel formwork for waste deduction



### Sustainable Best Practice 3

Zero Diesel Generator

- Smart battery (diesel free power)
- High power with intermittent load e.g. cranes, hoist, welders
- No air pollutants
- 32 times quieter than diesel generator
- Eliminate diesel spill and fire hazards
- Increase power capacity at day time
- Achieved saving in Embodied carbon by 306 tCO2e