CONSTRUCTION INDUSTRY COUNCIL
建造業議會

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

# Industry Practitioners Category

## General Practitioner

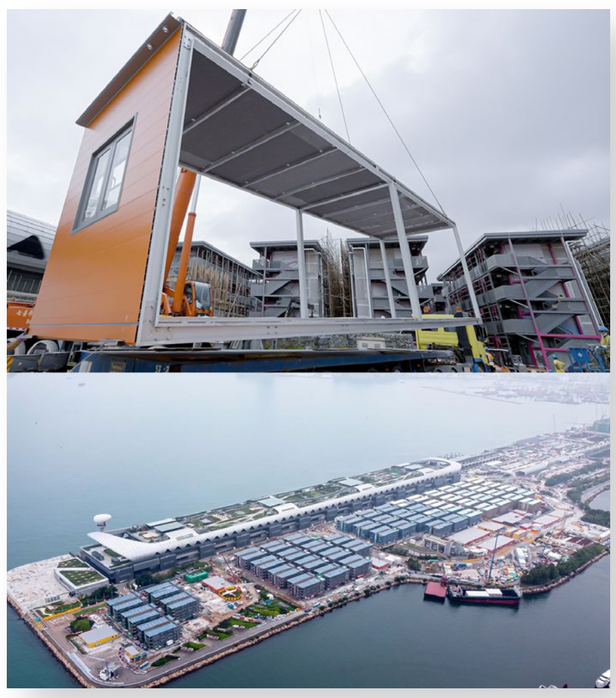
## Outstanding Award

**CHAN Shiu-kei**

ALUHOUSE 鋁遊家

## Ancillary Facilities of Penny's Bay Phase 5 & 6 and Kai Tak Cruise Terminal Quarantine Center

This project is designed and built by Modular Integrated Construction method “MiC" with aluminium structure in particular. Within just 60 days, AluHouse had successfully completed the design, production and delivery of more than 1,500 MiC modules with different specifications and functions, including command centre, medical post, staff quarter, office, and guard house etc. Through the sustainable practice of "green design, green materials, green production and green construction", this project has a great performance in term of construction productivity, safety, and environmental benefits.

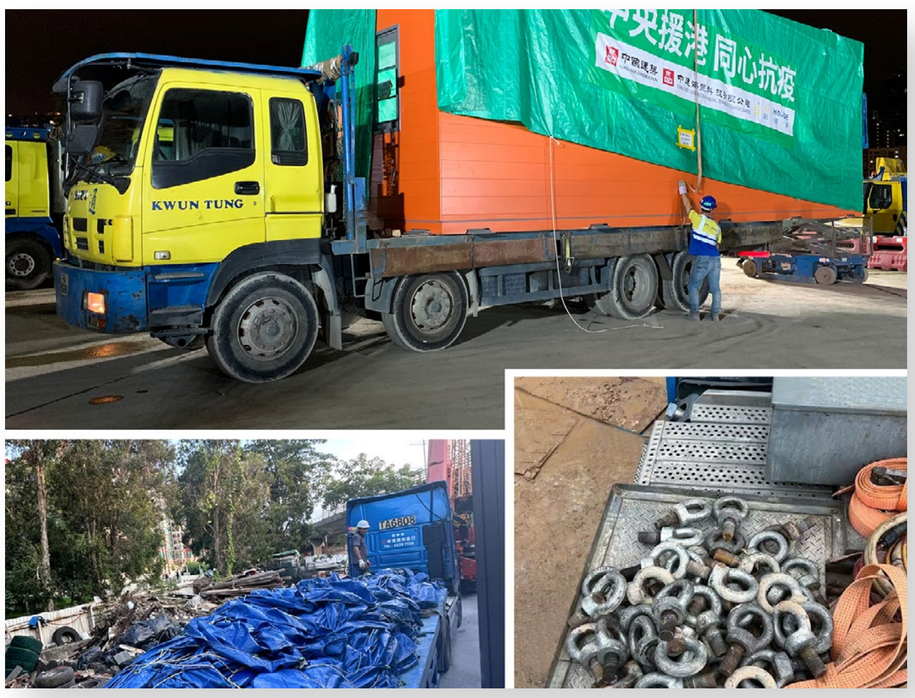


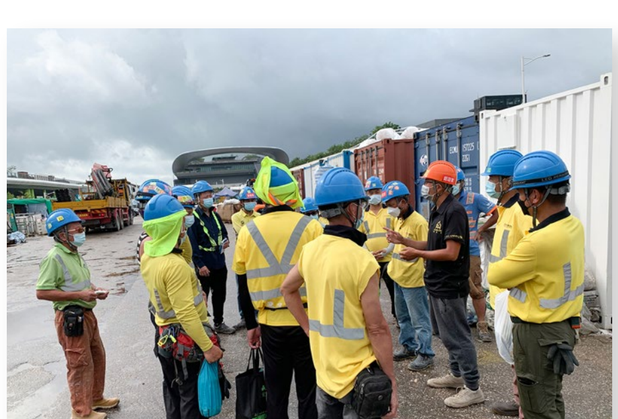
### Sustainable Best Practice 1

Mr. Chan fully utilised the design advantage of MiC products. He proposed a series of measures to improve the off-site prefabrication rate and continuously optimised on-site installation methods to ensure a more efficient and safer construction process. The installation of 356 modules was finally completed in just 20 days, which was 15 days ahead of schedule.

### Sustainable Best Practice 2

Mr. Chan set up a dedicated distribution team for material management, which has greatly reduced the wastage of spare materials on site from the original 30% to less than 5%. He also organised the design of tailor-made MiC Canvas to replace disposable packaging film and recycled these materials for reuse, thus greatly reducing construction waste generation on site.



### Sustainable Best Practice 3

Mr. Chan was passionate about nurturing young workers, site supervisors and other subcontractors by training them on MiC installation process, site constraints, site safety and solutions to ensure that the installation of all MiC modules at the Kai Tak project meets the design requirements and conditions for multiple dismantling and reuse in the future. He also encouraged workers to learn and support sustainable construction by adopting MiC technology.