

# Organisations Category

## Contractor in New Works

### Merit Award

**Gammon Engineering & Construction  
Company Ltd**



### The proposed residential development at NKIL 6579

The proposed residential development at NKIL 6579 includes the construction of a 1-storey podium and a 2-storey basement beneath the towers, including the substructure construction. It consists of four residential towers and involves associated external works and landscaping. We successfully implemented 84% of concrete with CIC green product certification, utilised 33% low carbon rebar, adopted a double refuse chute system, and reused excavated materials and struts for basement. These efforts resulted in a saving of over 7,000 tonnes of carbon emissions.



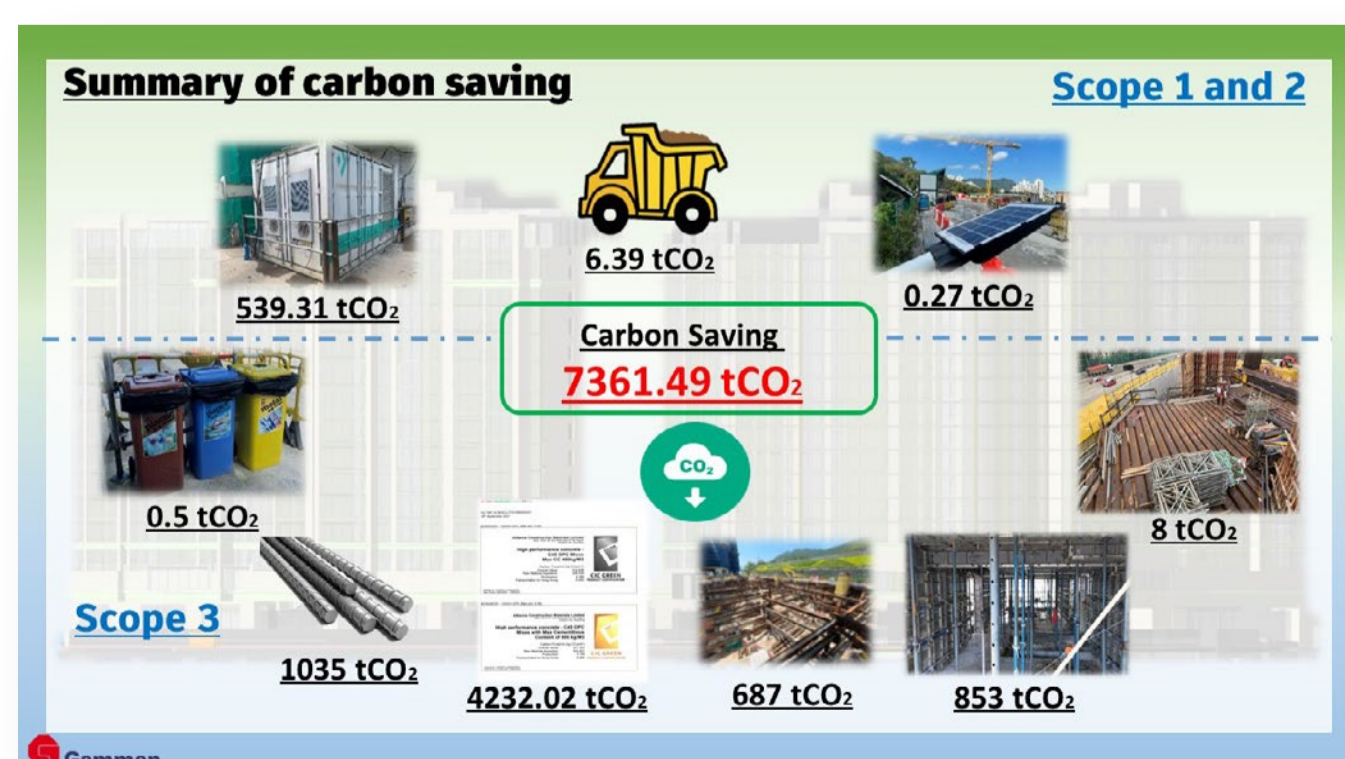
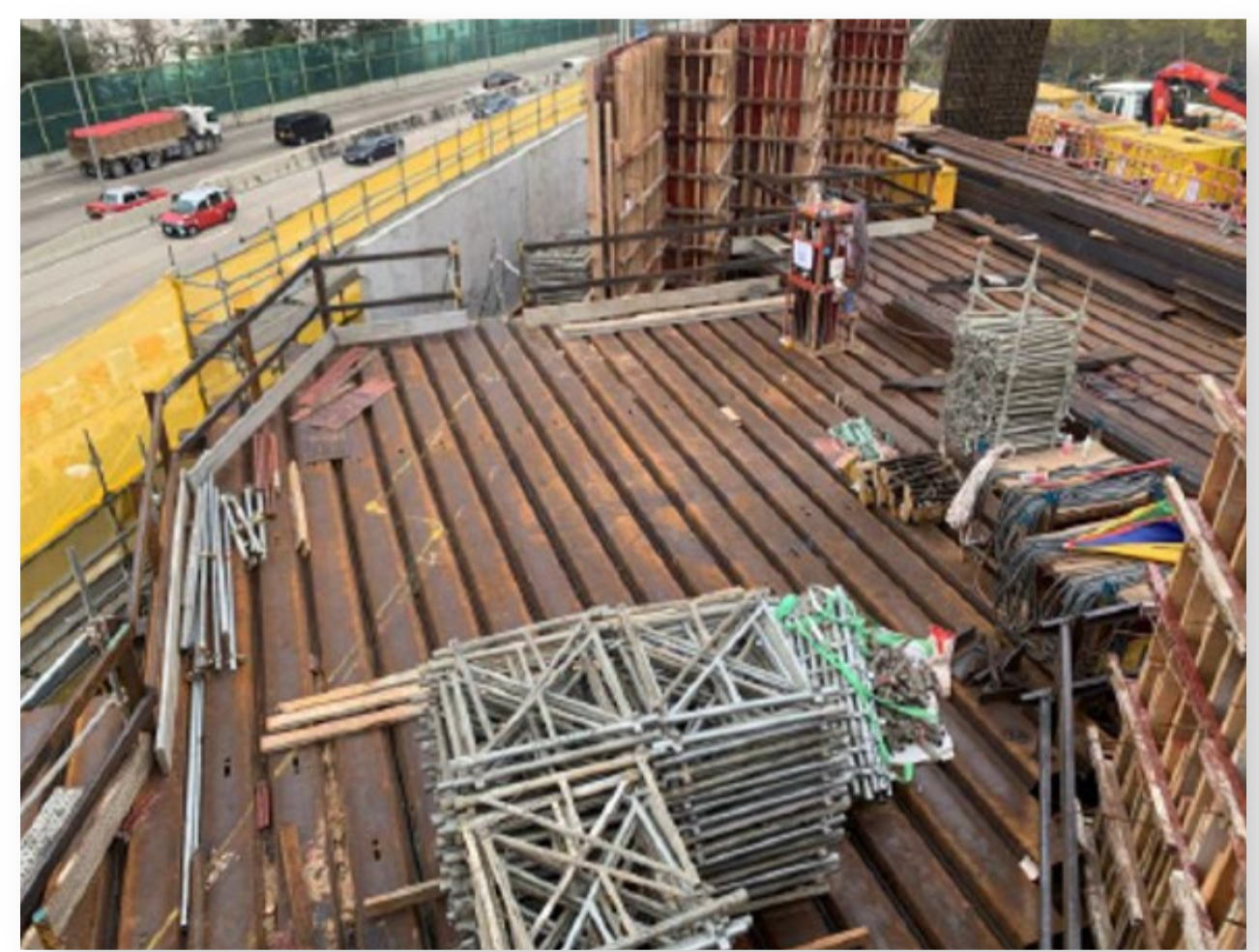
### Sustainable Best Practice 1

Our installation of double refuse chutes in tower two and three has effectively separated inert waste and non-inert waste from individual working floors. From September 2022 to July 2023, we successfully diverted 288 tons of inert waste to public fill facilities instead of government sorting facilities. We conducted specific training and workshops to teach staff and workers how to sort the C&D wastes correctly. Pictorial guiding banners with photos were also displayed to help workers identify the types of waste.

### Sustainable Best Practice 2

We've adopted two new temporary work designs. The transfer plate construction method offers environmental benefits, with reusable steel materials and preassembling at factories to minimise on-site disturbances. It also reduces truck usage, lowering carbon emissions.

Additionally, using suspended platforms for lift installation replaces traditional scaffolding, eliminating the need for temporary bamboo and metal scaffolds, thus enhancing worker safety.



### Sustainable Best Practice 3

For a typical residential building construction, we have saved over seven thousand tonnes of carbon emissions by implementing various approaches. These include using 84% CIC green product certification concrete, 33% low carbon rebar, reusing 93% of ELS strut, and employing two entertainers to replace some diesel plants at the early stage.