

# Organisations Category Developer (Private Sector)

## Gold Award

**Swire Properties Limited**



### Six Pacific Place

Six Pacific Place is the newest premium triple Grade-A office building in the Pacific Place portfolio. The building is designed and built to the highest sustainability standard. It has obtained Five Platinum Ratings green/smart building certifications recognized internationally – BEAM Plus Platinum (Provisional), LEED Platinum (Pre-certified), WELL Platinum (Pre-certified), SmartScore Platinum, and WiredScore Platinum.



#### Sustainable Construction Achievements:

- The overall reduction of total carbon emission is 6,462 tCO<sub>2</sub>e, equivalent to saving 297,000 trees.
- The achieved carbon footprint is 539kgCO<sub>2</sub>e/CFA for the project, approximately 27% lower than traditional construction practice.
- Achieved 81% Construction Waste Recycling Rate.
- Adopted construction power directly from Hong Kong Electric instead of on-site diesel/ biodiesel genset and battery storage, reduced 774,384L diesel consumption and less air and noise pollution to nearby environment.
- Over 50% of construction cost was spent on sustainable products/ system including green concrete and rebar, FSC certified timber, reusable metal formwork + scaffolds, solar panel, high efficient HVAC system, etc.



### Sustainable Best Practice 1

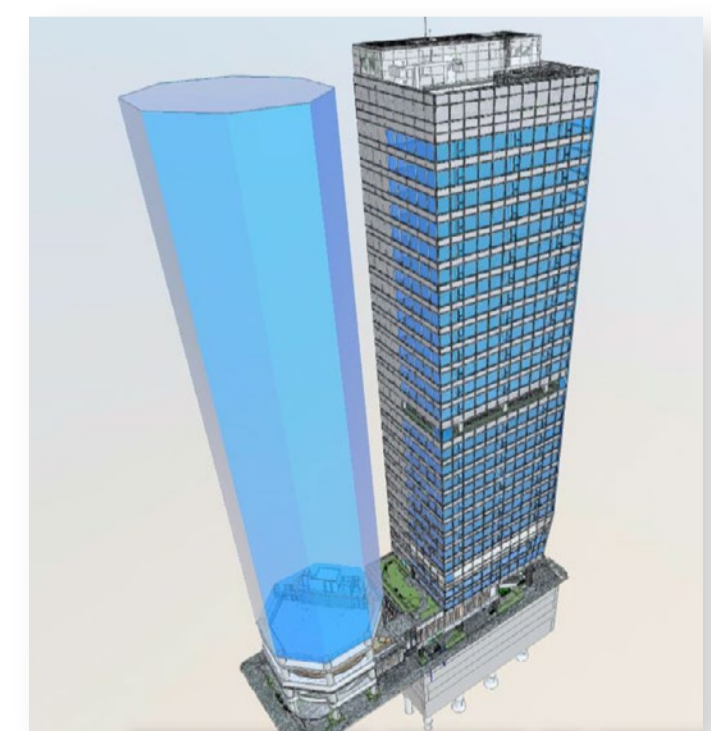
#### Green Procurement

- 100% of the concrete used in the superstructure is certified by "CIC Green Product Certification".
- 67% of the rebar were manufactured by the Electric Arc Furnace (EAF) production route.
- Structural steel/ rebar contains at least 60% of recycled steel content by weight. The above sustainable measures reduced over 4,200 tCO<sub>2</sub>e embodied carbon.

### Sustainable Best Practice 2

The adoption of BIM in design, construction, and maintenance stage:

1. 3D scanning to verify site condition against BIM model
2. AR technology with mobile app for quality assurance
3. Adoption of Design for Manufacture and Assembly (DfMA)
4. Immersive 3D CAVE visualisation for final design and handover conditions
5. Application of Digital Twin (i.e NEURON) to replicate real time status of the building for maintenance team



### Sustainable Best Practice 3

Green Performance Pledge - GPP is a performance-based, landlord-tenant collaboration towards shared sustainability goals. The GPP guides companies to operate sustainably across entire tenancy cycle, from goal setting and action planning, to fit-out, operations, and Results.

GPP Academy is a three-year collaboration with BEC that will enable office tenants to tap extensive industry knowledge, network, and share best practices from other companies. We aim to engage 50% of office tenant to join GPP, to promote tenant toward a sustainable lifestyle.