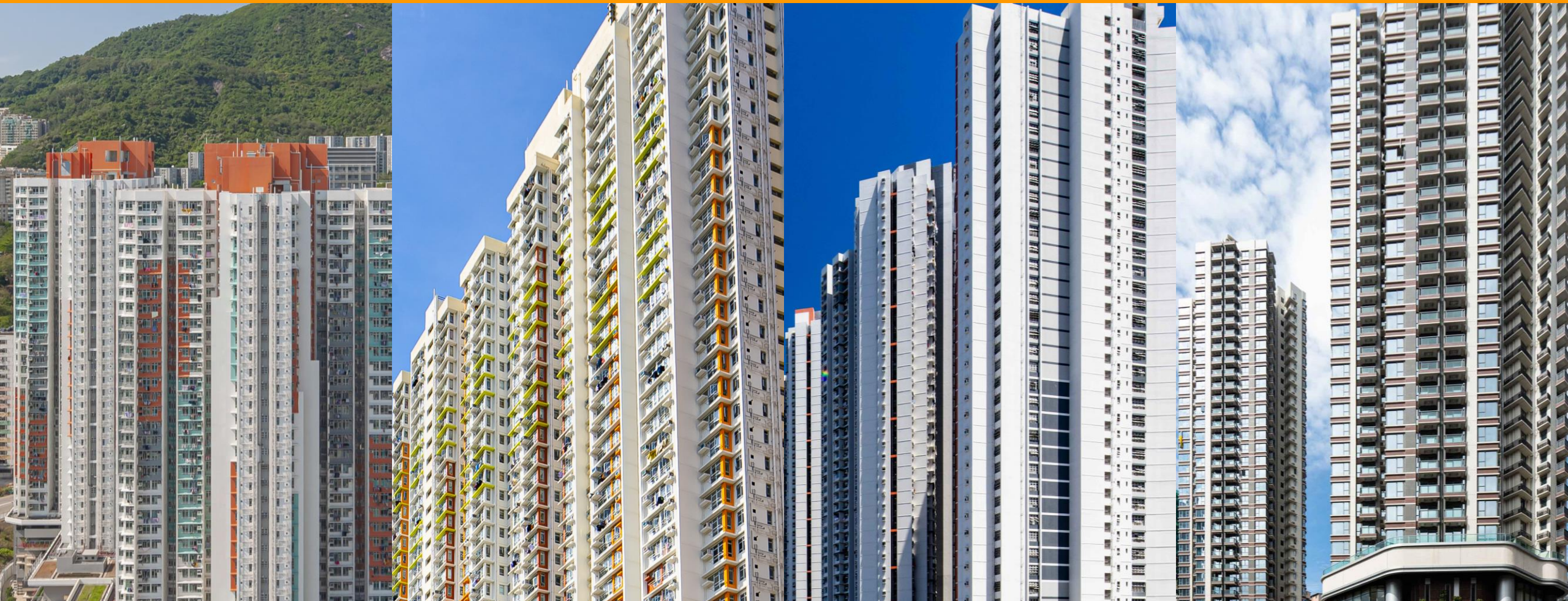


# Housing for Millions (廣廈千萬間)



中華人民共和國香港特別行政區政府  
房屋局

Housing Bureau  
The Government of the Hong Kong Special Administrative Region  
of the People's Republic of China

何永賢

Ms. Winnie Ho

房屋局局長 Secretary for Housing



# Policy Address 2022

提量、提速、提效、提質

Reduce the **CWT** to about **4.5 years**  
by 2026/27

The government has identified sufficient land to build about

**360,000**

public housing units in the next 10 years.

# Our current Challenge



**127 500**

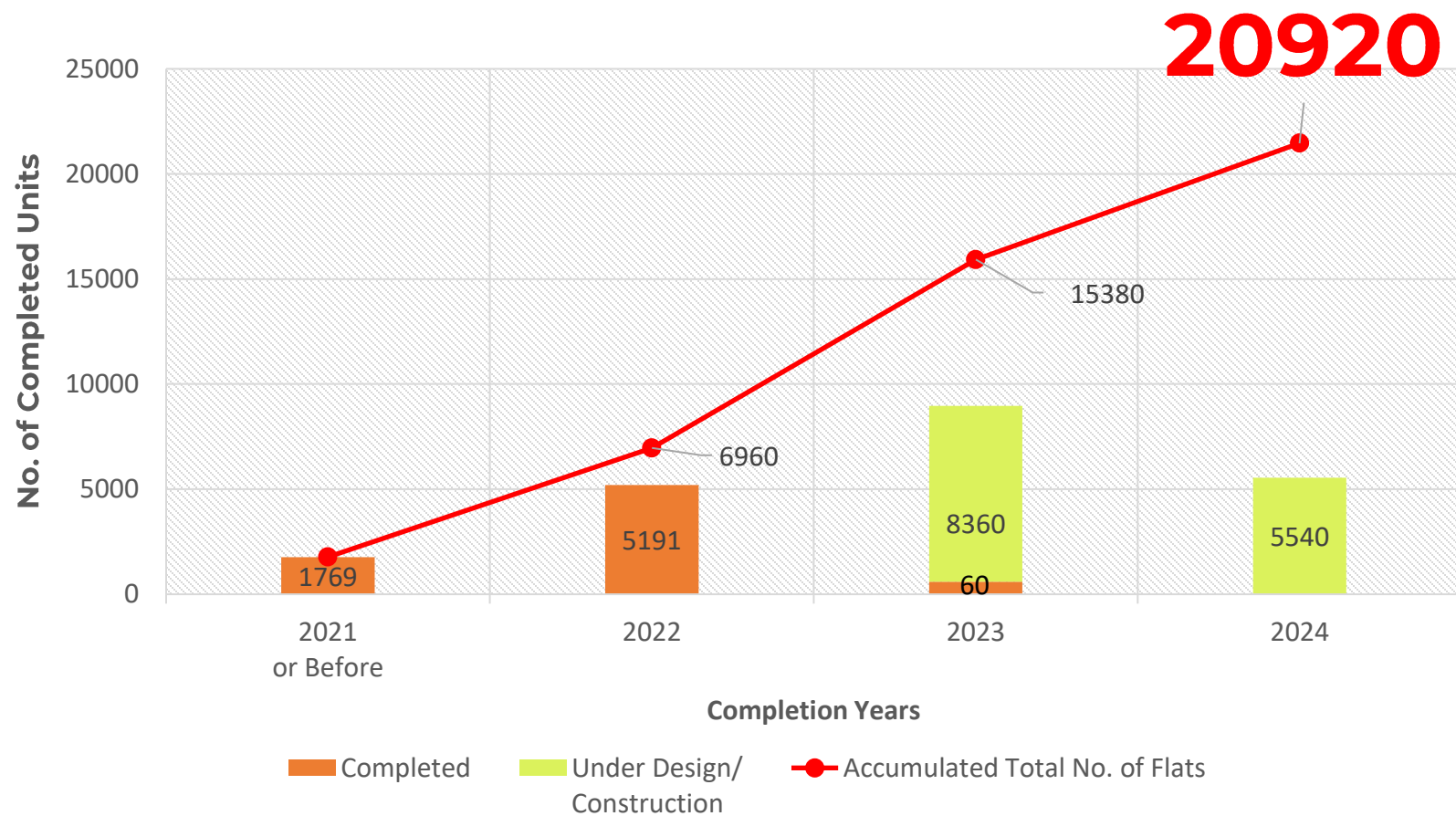
**Inadequately housed households**

An aerial photograph of a densely populated city, likely Hong Kong, showing numerous high-rise apartment buildings. In the foreground, a blue construction crane is visible, and a large green safety net is draped over a building under construction. The text "Ways to tackle problems" is overlaid on an orange rectangular background in the center of the image.

# Ways to tackle problems



# Annual Production of Transitional Housing







# Transitional Housing



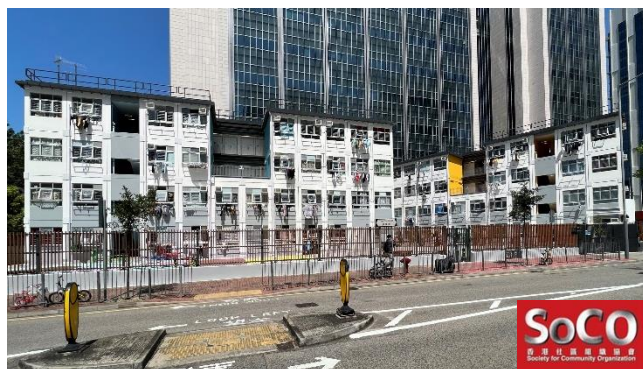
Nam Cheong 220 (89 Units)



Sung Wong Toi Rd.(110 Units)



Yam Chau Street (205 Units)



Ying Wa Street (140 Units)



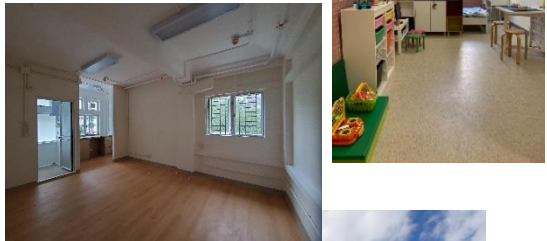
United Court ( 1,800 Units)



Kong Ha Wai (Ph.1) (781 Units)

# Transitional Housing

Lok Sin Tong Primary School (51 units)



Chatham Road (31 Units)

Trackside Villas (197 Units)



Ming Wa Dai Ha (Batch 1) (86 Units)



Victoria Road (11 Units)

Former Tsuen Wan Lutheran School (145 Units)



Former Sam Shing Chuen Lau Ng Ying School (123 Units)



# Transitional Housing

Ying Shing St. Kwai Chung  
(116 Units)



Existing Vacant Flats at  
Causeway Bay (30 Units)



Kong Ha Wai (Ph.2) (1,217 Units)



Existing Vacant Flats at  
Western District (20 Units)



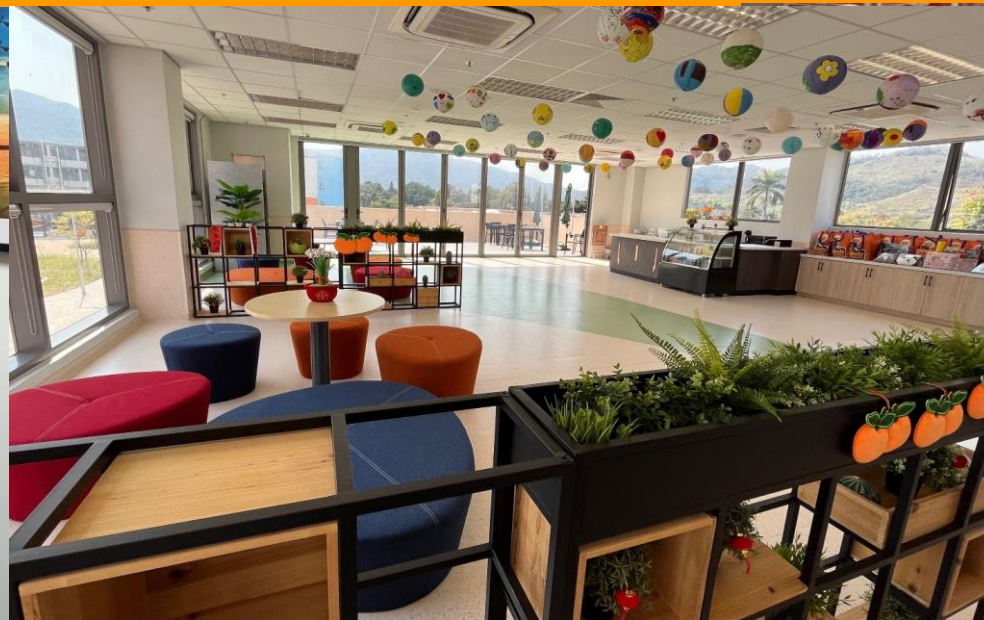
Existing Vacant Flats at  
Homantin / Central (86 Units)



# Transitional Housing



# Transitional Housing



# Transitional Housing





簡約公屋

# Light Public Housing

# Light Public Housing

- Our target is to build about

**30,000** LPH units by 2026/27.

- To provide basic yet appropriate accommodations to those in need within a short period of time.





# Light Public Housing

**50% UNITS**  
are located in  
**urban areas**

**40%** units are located in Tuen Mun  
**10%** units are located in New Territories

Total of 8 sites located in:

- Yuen Long Yau Pok Road
- Tuen Mun Area 3A
- **Ngau Tau Kok Choi Hing Road**
- **Kai Tak Olympic Avenue**
- Sheung Shui Lin Tong Mei
- Tuen Mun Area 54
- **Chai Wan Sheung On Street / Sheung Ping Street**
- Lok On Pai Siu Lam





# Empowerment

**More than a place to live  
Empower those in need**



# Giving back **HKD 6.3 billion**

- Average Rent (Sub-divided Unit): **HKD 5,000**
- Average Rent (Light Public Housing): **HKD 1,500**
- **Monthly savings:** **HKD 3,500**
- **Monthly savings X 12m X 5yrs X 30000units =** **HKD 6.3 billion**

# Public Rental Housing

公共租住房屋



# Public housing since 1950s

PAST

PRESENT

FUTURE



## 公營房屋分布

公共租住屋邨

191

居者有其屋計劃(居屋)屋苑

164

綠表置居計劃(綠置居)屋苑

2



# Housing Ladder

公屋

PRH



綠置居

GSH



居屋

HOS



首置

Starter  
Homes



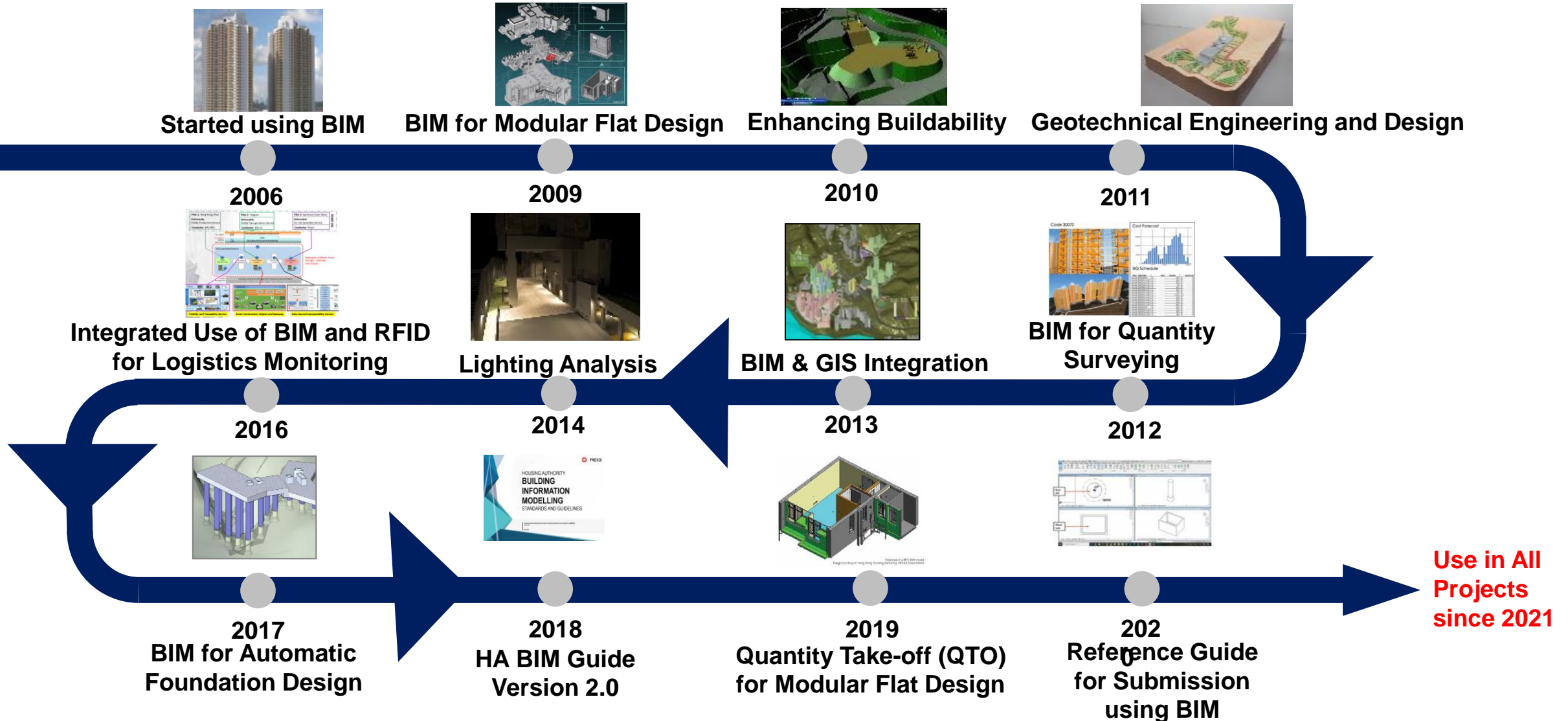


# Technology & Innovation

技術及創新



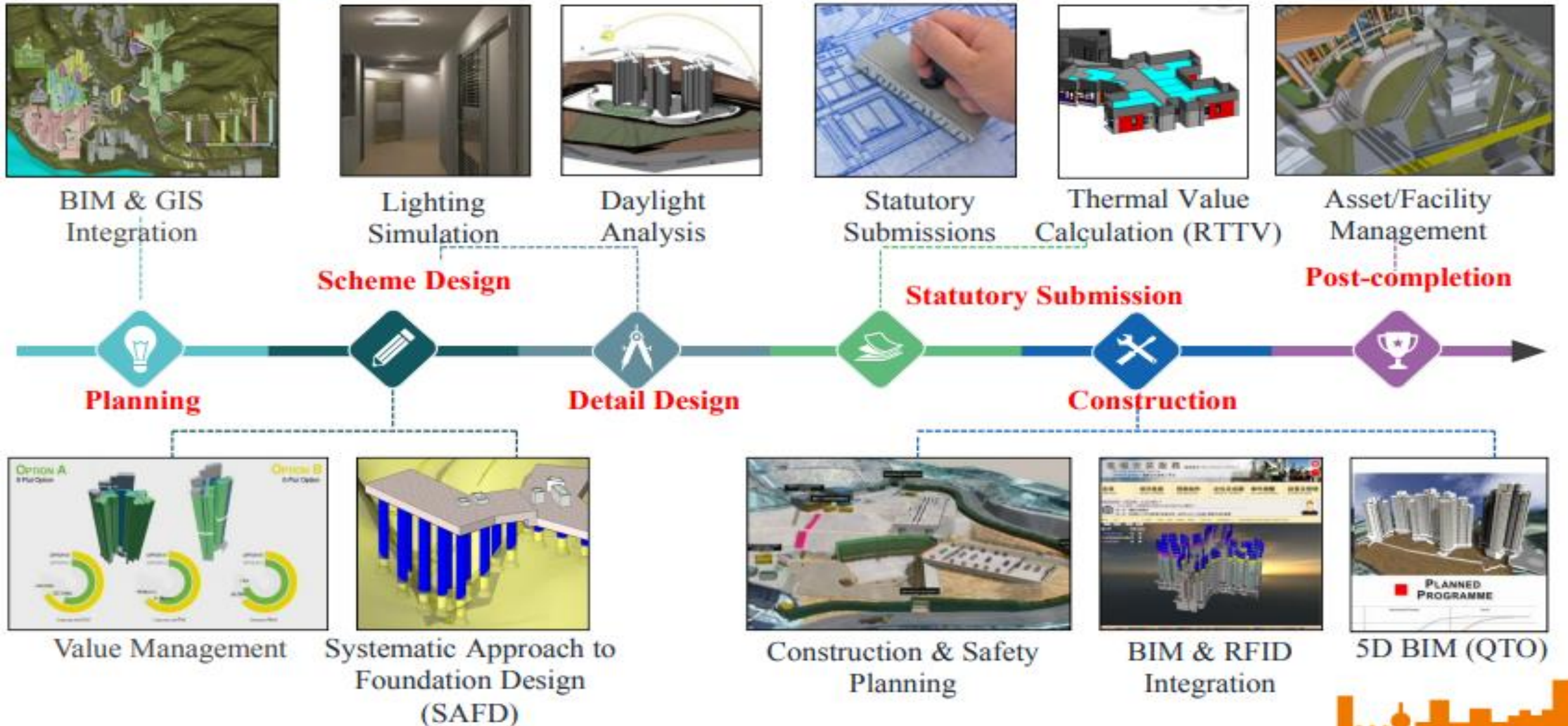
# BIM Ecosystem and Applications



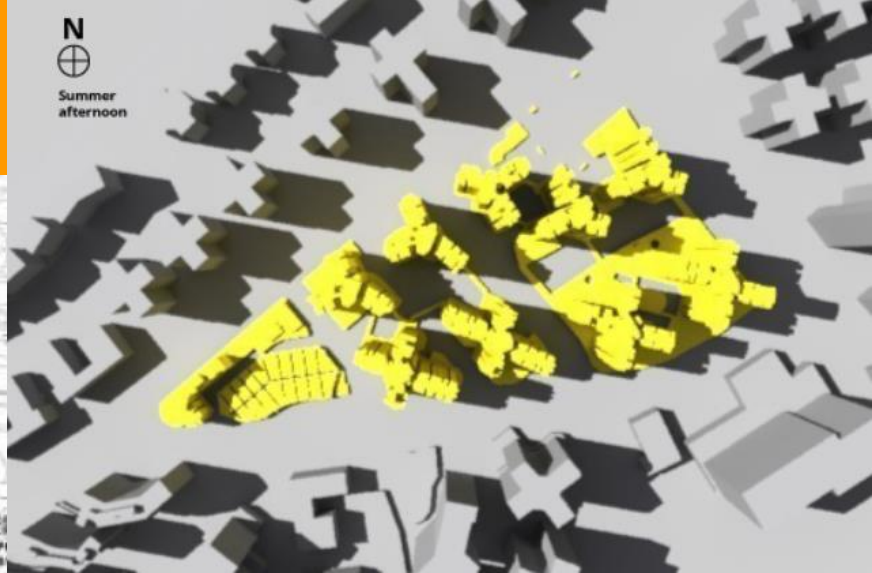
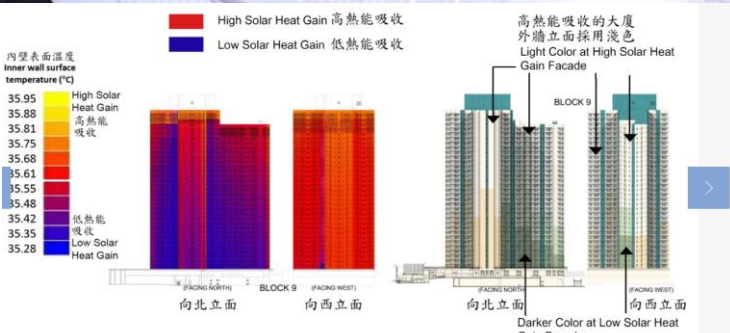


# Design : BIM/ GIS

BIM Applications Encompass Full Design and Construction Cycle



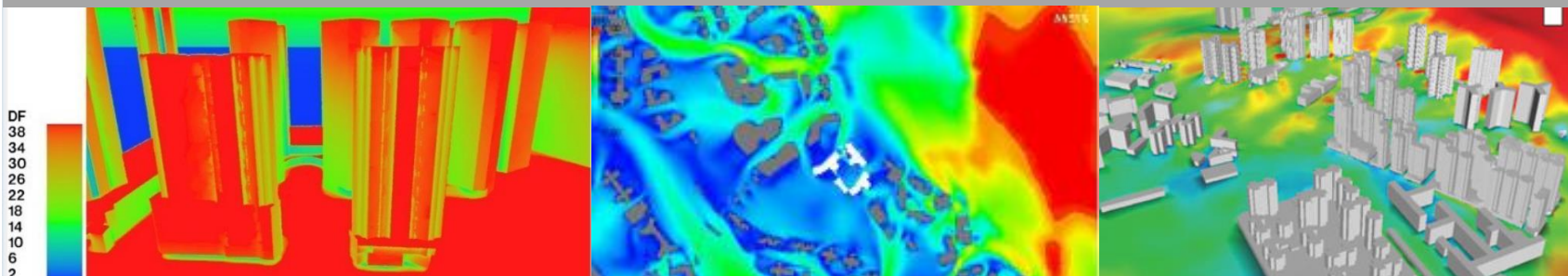
# Micro Climate Studies



Sun Shadowing Analysis



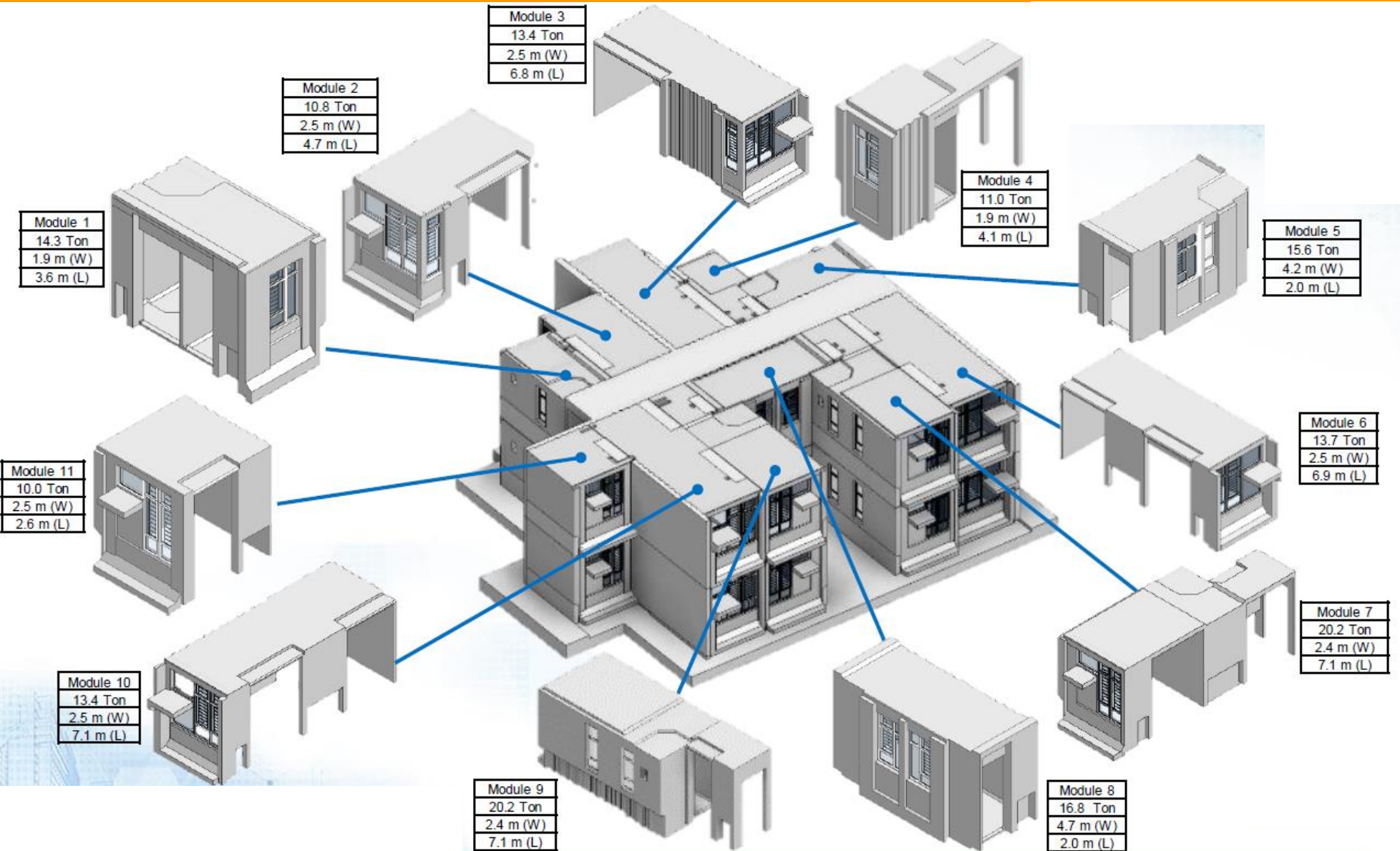
Wind Corridor Study



Outdoor Thermal Comfort Analysis

Air Ventilation Assessment

# MiC - Modular Integrated Construction



# VR site visit/ Robotic Construction / DCSMS

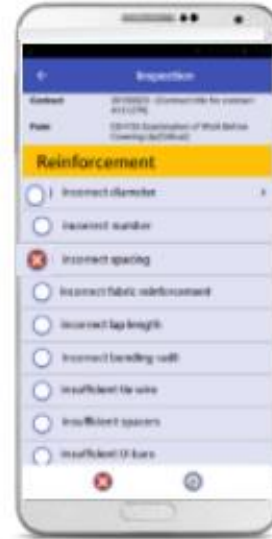
## DCSMS – A Centralized Data Processing & Storage System



Request for Inspection to Site Staff



Site Work Inspection



Site measurement / record to the Apps

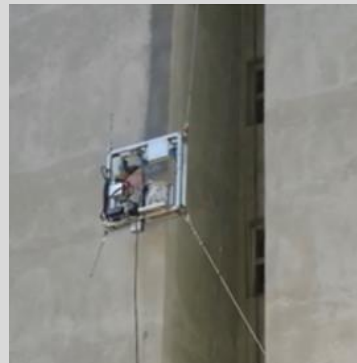


Site record supplemented with site photos



Site record reflected with mark up on drawings

## Robotic Construction



背靠祖國 · 聯通世界

Be a Super Connector and  
a Demonstration Ground

Manufacture  
Base



Technology  
Base

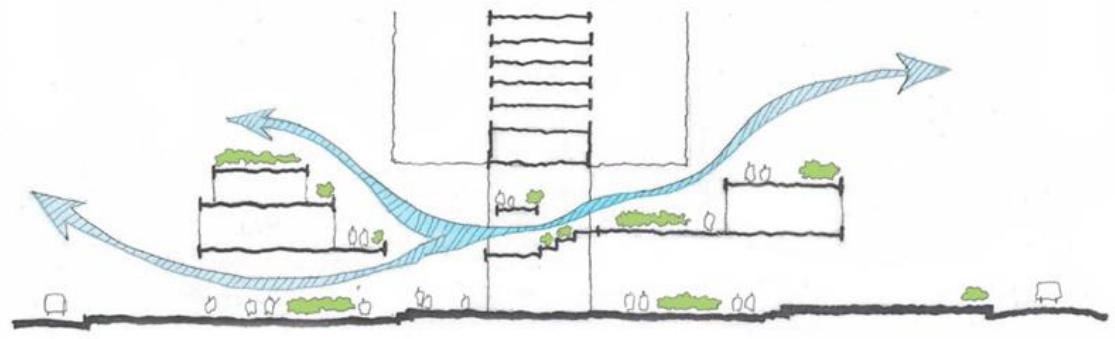


Innovative  
Construction

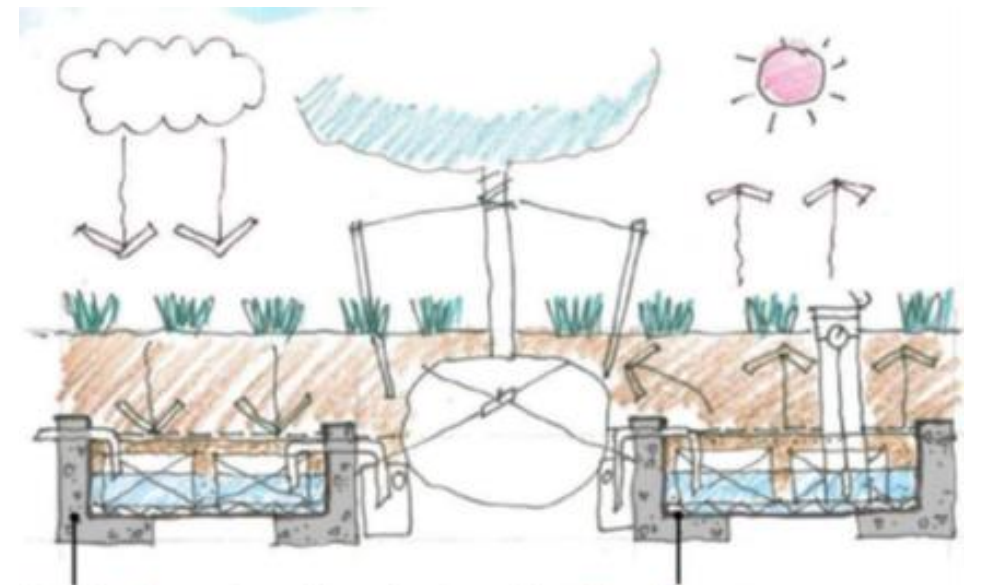


# Green Environment





# Green Design



In-situ Concrete with water-proofing Membrane





# Green Construction





## Carbon Emission Estimation (CEE) Total Carbon Emission Calculation

Aspect I:  
Materials Consumed  
During Construction

Aspect II:  
Materials for Building  
Structure

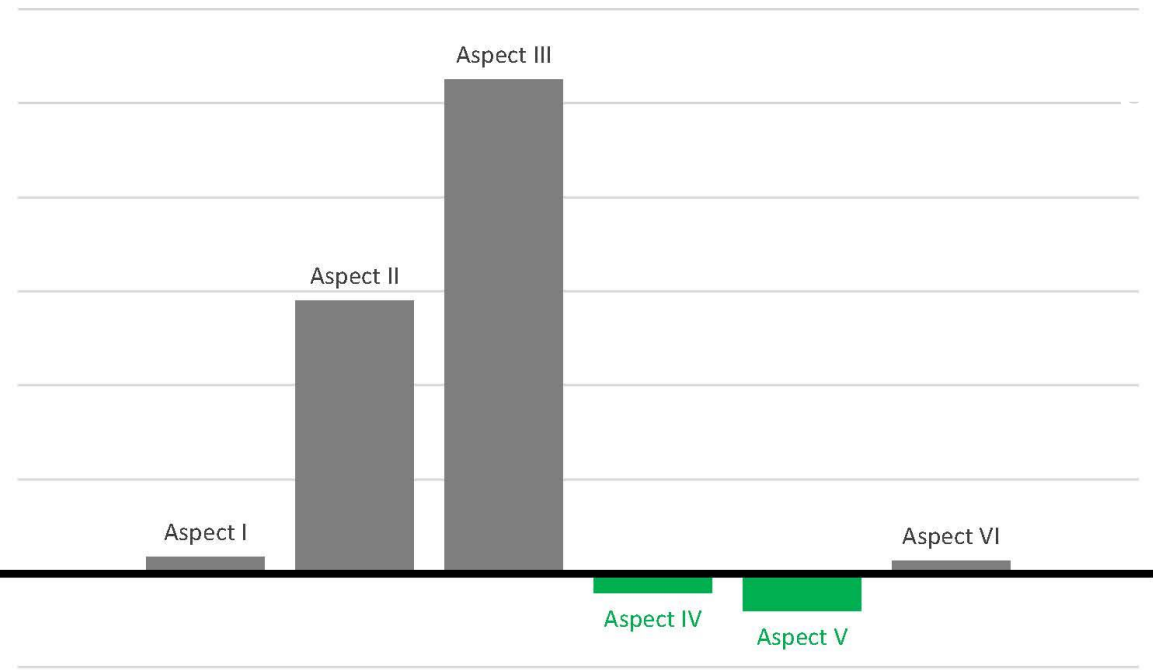
Aspect III:  
Communal Building  
Services Installation

Aspect VI:  
Demolition

Aspect IV:  
Renewable Energy

Aspect V:  
Tree

+ve  
Amount of CO<sub>2</sub> Emission  
0  
-ve



$$\text{Total Carbon Emission} = I + II + III - IV - V + VI$$



# Carbon Emission Estimation



EV Charger



2 Level Lighting

# Green Energy & Energy Saving



PV Panel

# Green Living





# Community Making

共建關愛社區



# Universal Design



## Barrier Free Access & Accessibility





# Healthy Lifestyle



Wellbeing for Self Individual Support Needs



Wellbeing for Home & Estate



Wellbeing for Neighborhood



Community Level Support





# Neighborhood







# Community Farm





**Exhibit of an old machine component**



**Artwork – Local Landmark**



**Artwork – Bridge Places**

# Art & Heritage



**Artwork -My Dream Community**



**Artwork- Enjoy Moment**



**Artwork – A Wood Sculpture**

# 50 years since 1973

Hong Kong Housing Authority

廣廈千萬間

連繫  
CONNECTIVITY  
左鄰右里  
人情味  
Smart Facility Management  
綠色+生活  
是屋·也是家  
以人為本  
民嚮往  
美好生活  
Elderly-friendly

公屋暖萬  
Mi<sup>∞</sup>  
BIM  
TECHNOLOGY  
提速 提量  
提質 提效  
幸福  
感  
樂齡安居  
MiC  
健康  
Vitality

社區  
Big Data  
Innovation  
營造  
組裝合成  
Integration

Community

..IS WHAT WE ARE STRIVING FOR



中華人民共和國香港特別行政區政府  
房屋局  
Housing Bureau  
The Government of the Hong Kong Special Administrative Region  
of the People's Republic of China