

# Modern Methods of Construction for Housing

Happiness. Sustainability. Liveability. Wellbeing. Quality. Safety.

Ir Thomas HO On-sing, JP

Chairman  
Construction Industry Council

17 April 2023

# 幸福感 Happiness

人民對美好生活的嚮往，  
就是我們的奮鬥目標。

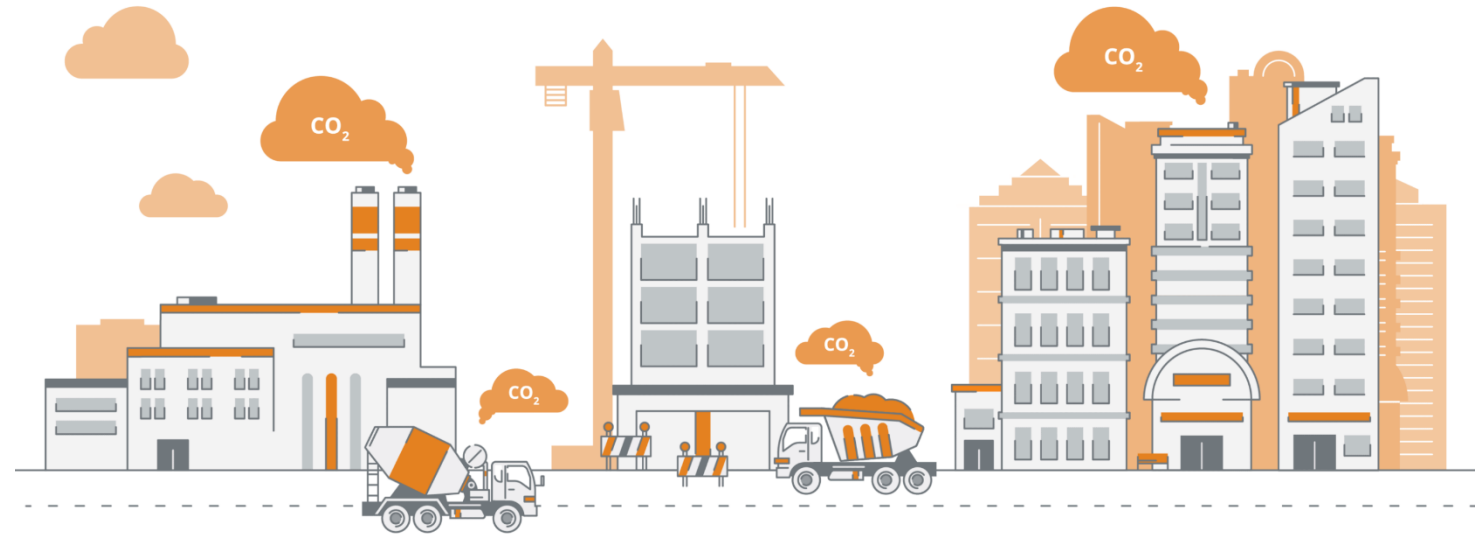
香港最大的民心就是盼望**生活變得更好**  
**盼望房子住得更寬敞一些**

創業的機會更多一些  
孩子的教育更好一些  
年紀大了得到的照顧更好一些。



習近平  
2022.07.01

# 2050 CARBON NEUTRAL



## **Embodied Carbon**

The emissions from manufacturing, transportation, and installation of building materials.

## **Operational Carbon**

The emissions from a building's energy consumption.

2020

2030

2040

2050

# 采菊東籬下 悠然見南山

While picking asters beneath the Eastern fence  
My gaze upon the Southern mountain rests



陶淵明

寧可食無肉  
不可居無竹



I'd rather eating without meat  
Than living without bamboo around my house

蘇東坡



# Sustainability

## Net Zero



## Carbon Negative



## Circular Economy





# Sustainable Buildings in HK



Zero Carbon Park



O Park 2



# Additional Land Supply

Per capita living area in Hong Kong

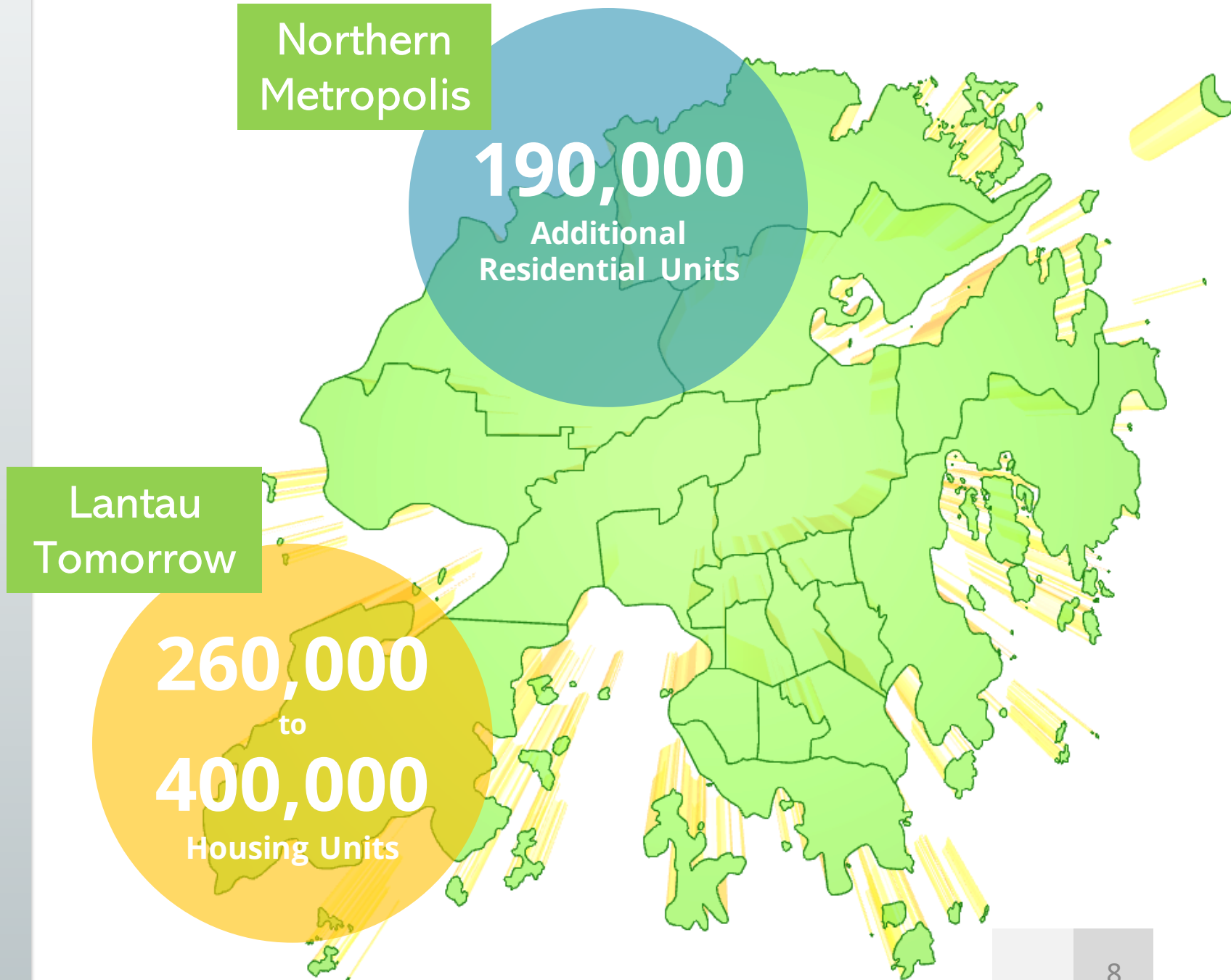
200 Sq. ft



230 Sq. ft

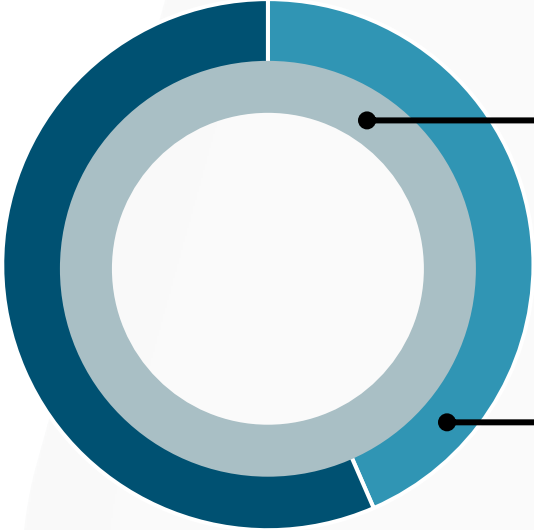
At Present

Hong Kong 2030+





# Adopt High Productivity Construction (HPC) Methods



**460,000**

Government Housing Supply Target

**200,000**

Housing Built with HPC Methods

Innovation



Consistency and  
quality + lower  
cost



Sustainability



Speed and  
efficiency

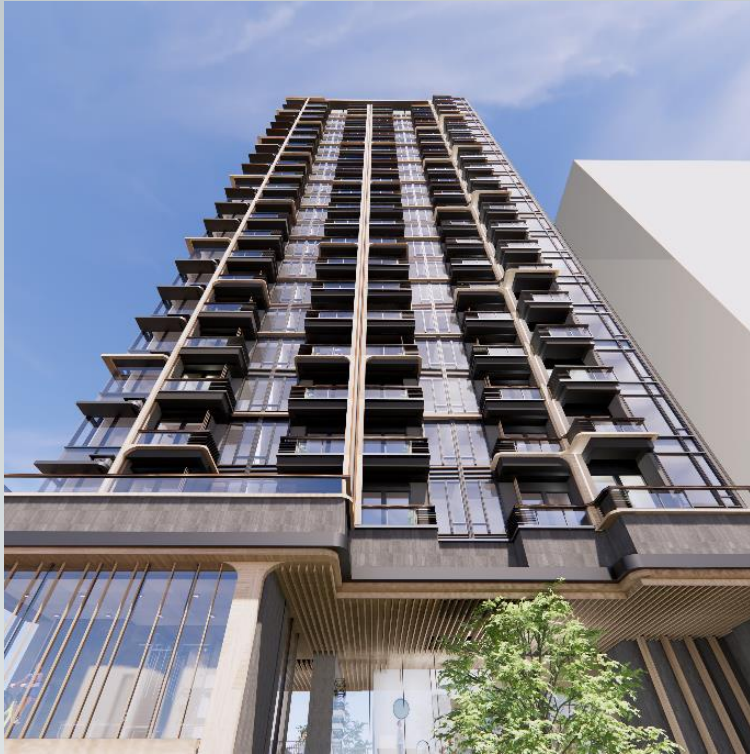


Safety





# HPC Projects in Hong Kong



Tonkin Street Redevelopment  
By Chinachem



Public Housing Development  
at Tung Chung Area 99



Hung Shui Kiu Phase IA  
By HKHS





# HPC Projects Overseas



Avenue South Residences  
Singapore, By ADDP Architects

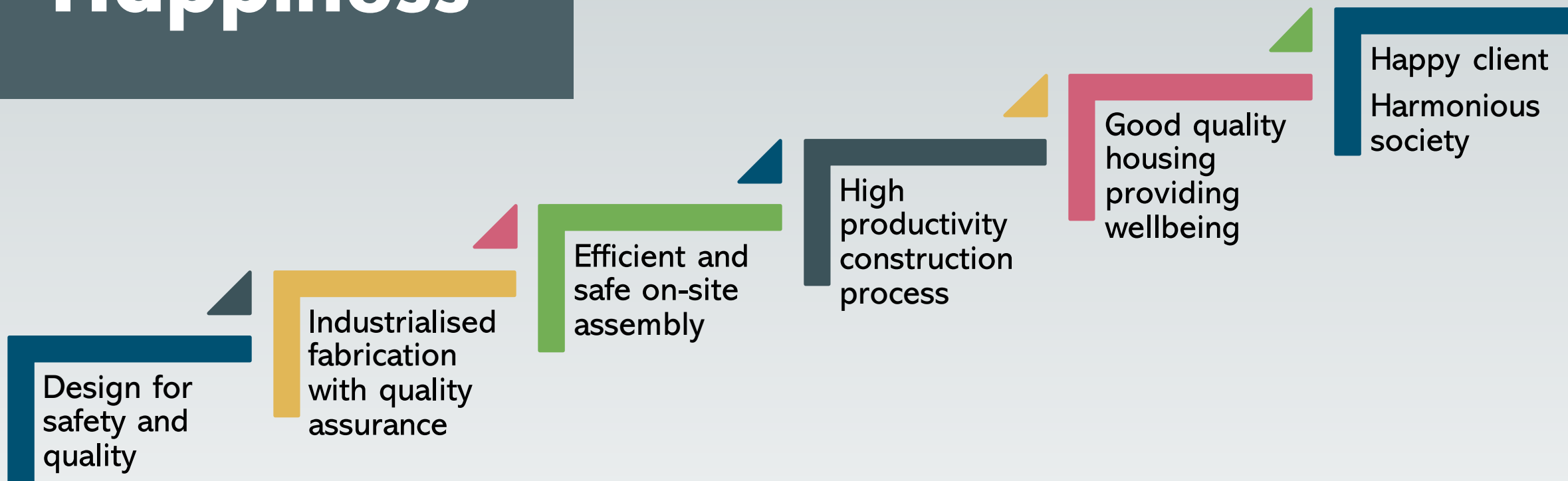


The Living Building  
Changsha, By Broad (遠大)



Ten Degrees Croydon  
UK, By Tide Construction

# Safety Quality Wellbeing Happiness





# CIC's Focus

01

Train and retain the talents for the construction industry and for the wider community

02

Promote the latest construction technology and the best practices for the benefit of society

03

Encourage and empower the adoption of safe, innovative, and sustainable solutions

MiC

MiMEP

Mi Lift

Mi Landscape



i CDE

Mi Interiors

Mi Curtain Wall

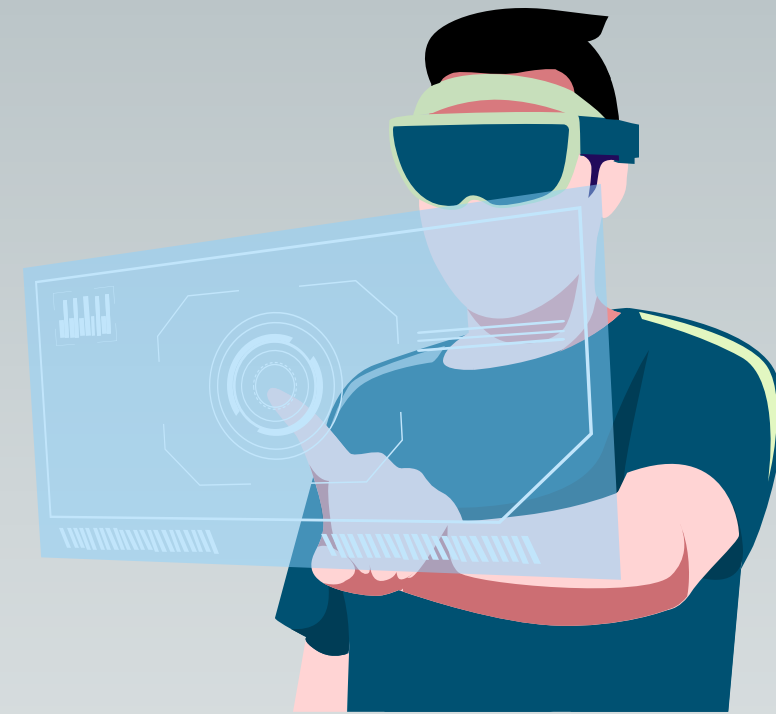
AI



Mi Infinity



IOT Sensors



Sustainability

Livability

Wellbeing



Design for  
Safety,  
Productivity,  
Sustainability

Defined Roles  
and  
Responsibilities

Temporary  
Works  
Management  
Plan

Smart Safety  
Management  
Scheme (SSSS)







安得廣廈千萬間  
大庇天下寒士俱歡顏

If I could get a mansion with thousands of rooms  
I'd share it with all the people together in joy



杜甫

# Thank You



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會



HONG KONG  
HOUSING SOCIETY  
香港房屋協會