

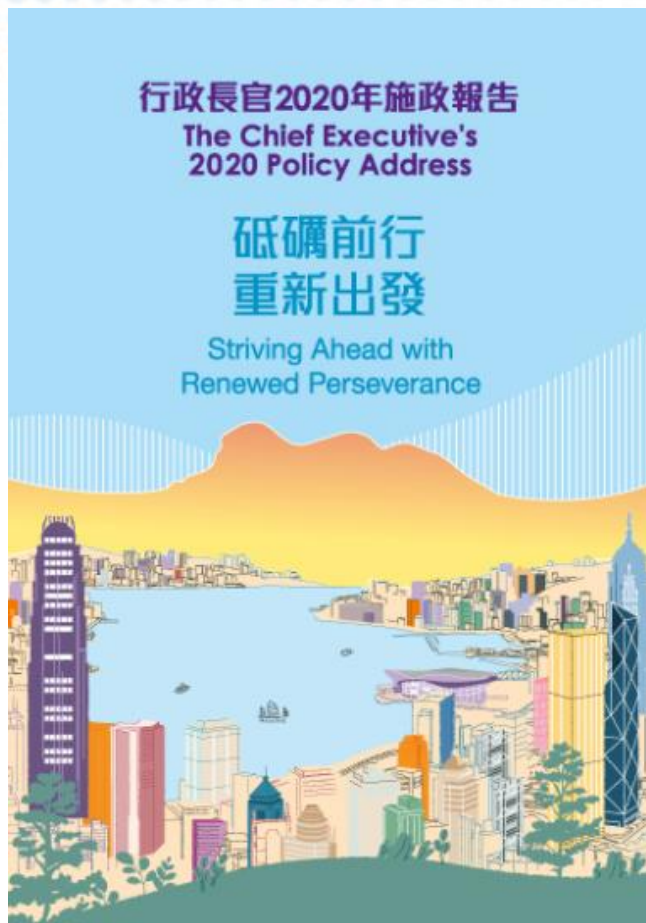


Emerging Business Opportunities and Future Trends in the Green Building Industry

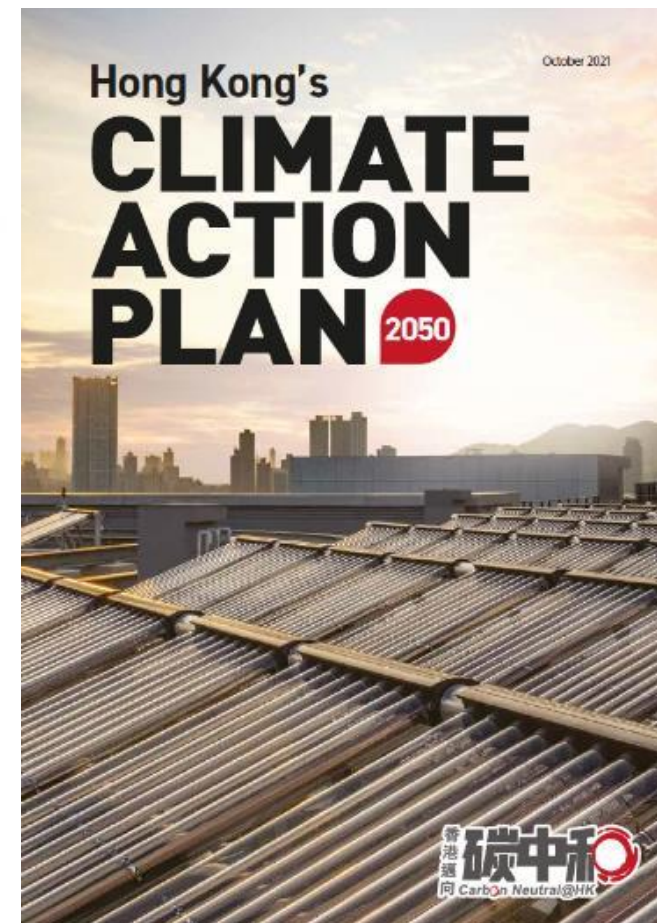
Dr CHEUNG Tin-cheung, SBS

Chairman
Hong Kong Green Building Council

Striving towards Carbon Neutrality before 2050

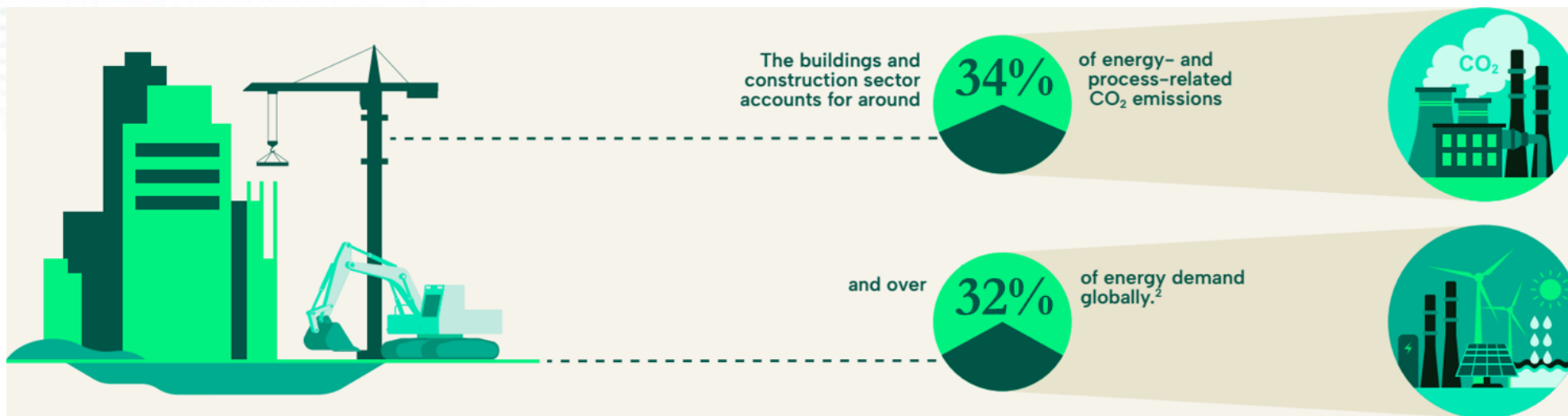


香港邁向
碳中和
Carbon Neutral@HK

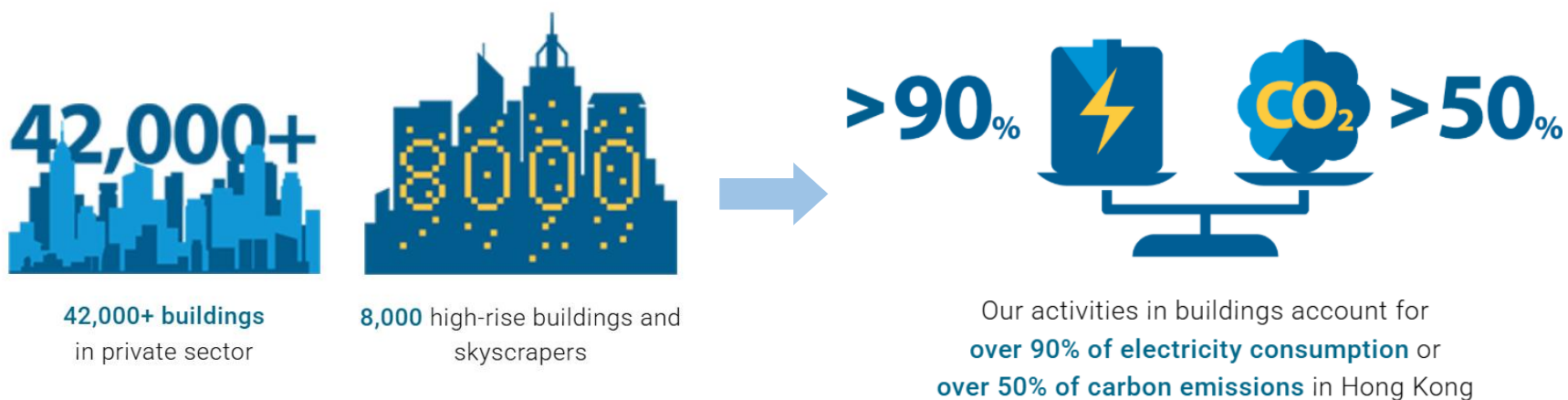


Carbon Emissions in Buildings

GLOBALLY



HONG KONG



Urban Challenges in Hong Kong

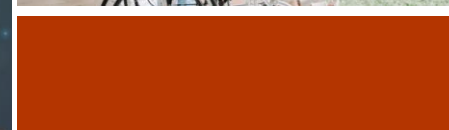
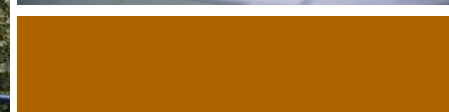
High Density Environment

Land Shortage and Utilisation

Changing Climate

Ageing Population & Buildings

Balancing Sustainable Economic Growth



Green Investment



Green Financing



Green Certification



Green Planning



Hong Kong's Green Building Capabilities

Green Materials



Green Methods



Green Electricity
Generation and Efficient
Energy Use



Green Community





BEAM



Collaboration



粵港澳大灣區
Greater Bay Area



Caring for Community



Impact Strategy

Public Engagement



HONG KONG
GREEN BUILDING WEEK
香港綠色建築週

Rating Tools



Professional Development

Focus Areas of Hong Kong Green Building Council



Assessment



Knowledge



Engagement

BEAM Plus An Independent Assessment of Building Sustainability Performance



Assessment



Certification Body

Assessment Body



PLATINUM
鉑金級
NB 新建建築
V1.2 2015
HKGBC
BEAM Plus
綠建環評



GOLD
金級
NB 新建建築
V1.2 2015
HKGBC
BEAM Plus
綠建環評



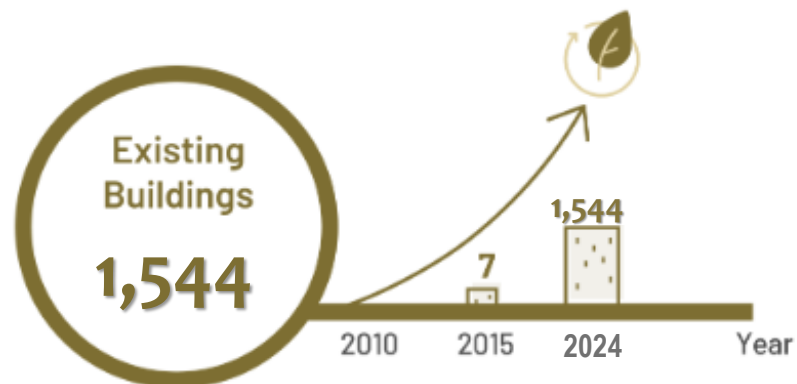
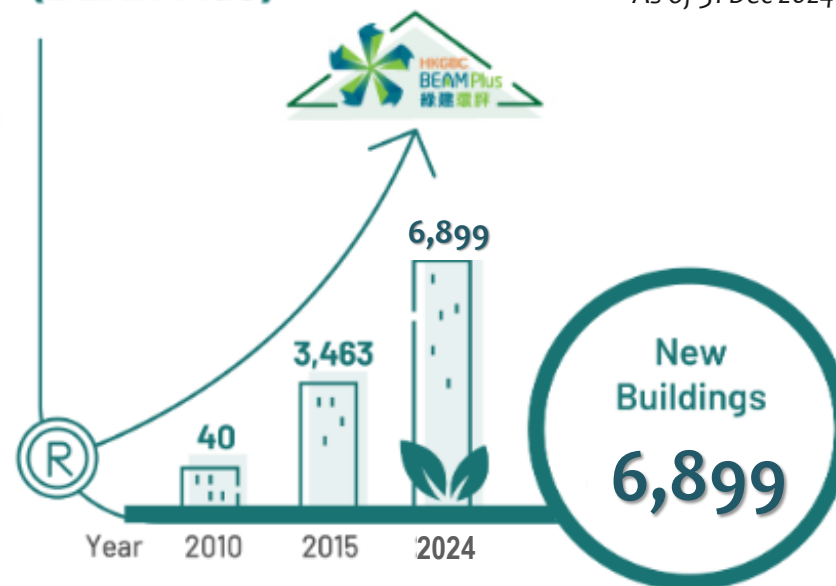
SILVER
銀級
NB 新建建築
V1.2 2015
HKGBC
BEAM Plus
綠建環評



BRONZE
銅級
NB 新建建築
V1.2 2015
HKGBC
BEAM Plus
綠建環評

Cumulative No. of Registered Properties (BEAM Plus)

As of 31 Dec 2024



Source: HKGBC Green Building in Action 2024 Ed.

BEAM Plus Comprehensive Rating Tools & Assessment Aspects




Assessment



It covers various stages of the building life cycle, embracing various building types.



Aspect	What it looks at
 Management	How the building is designed & constructed; or how an existing building is operated & maintained
 Sustainable Site	Landscape, transport, amenities, outdoor environment, climate resilience & climate change adaptation
 Materials & Waste	Material selection, embodied carbon, modular design, offsite prefabrication, waste handling facilities
 Energy Use	Operational carbon, renewable energy, passive building design
 Water Use	Indoor water use, irrigation, cooling tower, rainwater harvesting, grey water recycling
 Health & Wellbeing	Biophilic design, active living, IAQ, thermal comfort, visual and aural comfort, biological contaminations
 Innovations	Other new techniques proposed by project teams

BEAM Plus More Than A Rating Tool



Assessment

- Facilitate the Application for **GFA Concessions**

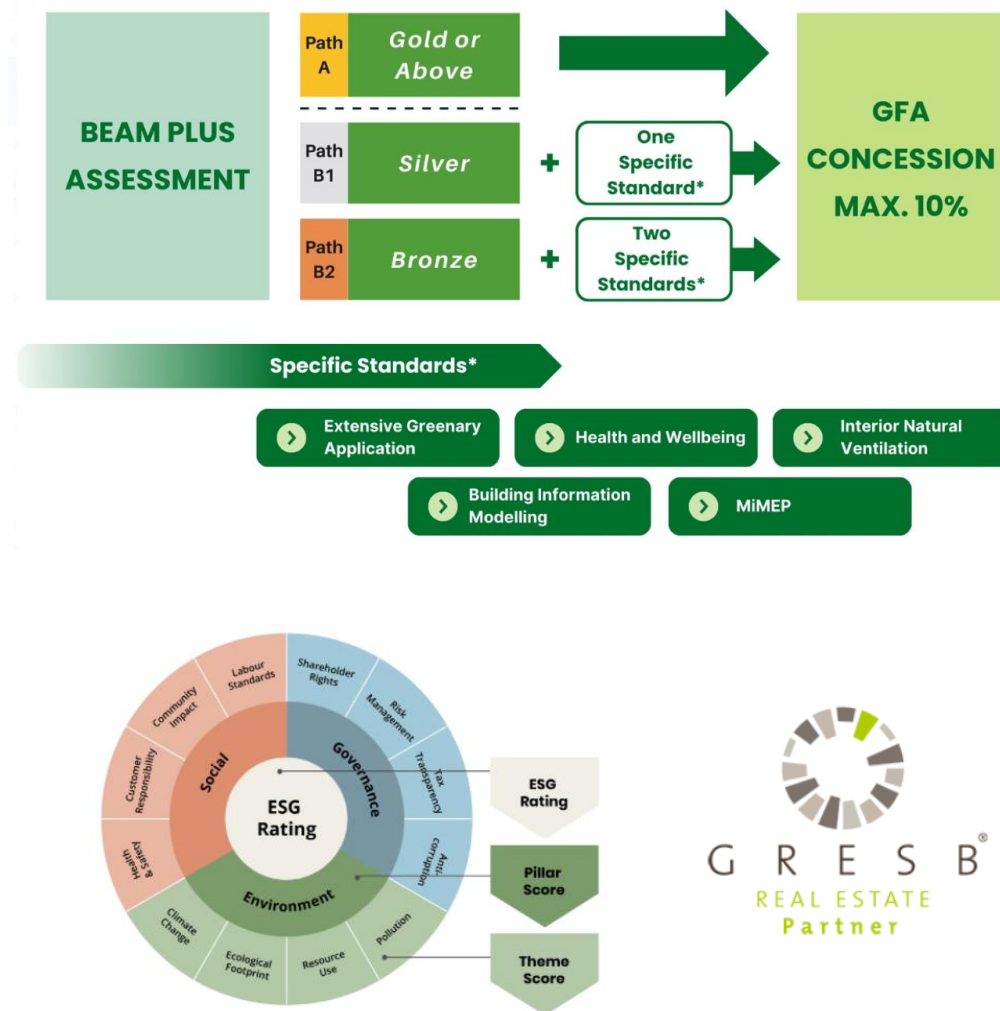
Since 1 April 2011, participation in BEAM Plus assessment has become one of the **pre-requisites** in applying for **GFA concessions** in **new building developments**.

From 30 June 2024, the GFA Concession Policy has been enhanced by demanding projects to attain specific BEAM Plus ratings.

- Boost for **Green Finance & ESG Ratings**

From 2016 onwards, as Hong Kong started to develop green finance, BEAM Plus has gradually become one of the most widely adopted green building ratings demanded by **green bonds**, **green loans** and other green finance instruments issued in Hong Kong.

BEAM Plus is also widely adopted as one of the **ESG benchmarks** for real estate developers and asset owners.

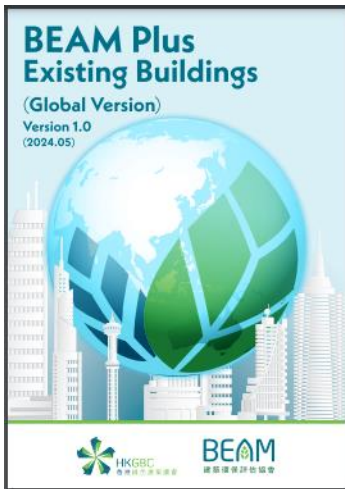


BEAM Plus Stepping Outside Hong Kong



Assessment

- BEAM Plus **Existing Buildings Global Version** launched in May 2024
- BEAM Plus projects in Mainland China and East Africa
- BEAM Plus **New Buildings Global Version** anticipated in 2026



+

BEAM Plus
New Buildings
(Global Version)

(to be launched
in 2026)



Zero-Carbon-Ready & Net Zero Energy Building Certification Scheme



Assessment

In addition to BEAM Plus, the Council developed **Zero-Carbon-Ready Building Certification** and **Net Zero Energy Building Certification** in 2023 -2024.

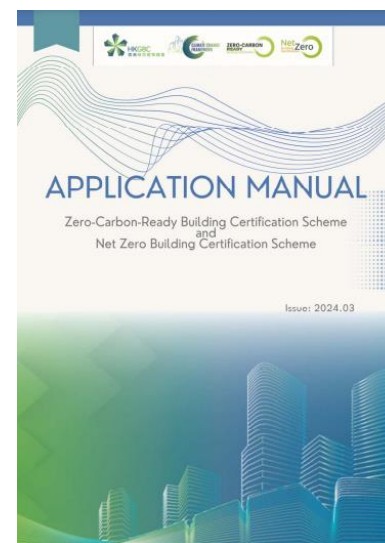
Purpose

To provide **aligned** definitions, calculation methodologies and targets among industry stakeholders.

Objectives

By adopting the certification schemes, building owners can:

- **benchmark** and report the energy performance of buildings;
- **set the targets** for carbon neutrality and tracking progress; and
- **justify the improvement** in projects for green financing.



Recognised by BEAM Plus, GRESB, HKMA Taxonomy

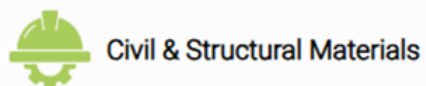


HKGBC – CIC Green Product Certification (CIC GPC)



Assessment

- Officially initiated in November 2019
- **CIC GPC 2.0** launched in May 2025
- A total of **32 Product Categories** within **5 Product Families** characterised by **5 Sustainability Aspects**



Civil & Structural Materials



Mechanical & Electrical & Plumbing (MEP) Products



Architectural Products



Landscaping Products



General Green Product Category

Over **1,000** products have been certified, with **88%** achieving **Gold or Platinum** ratings.



Carbon



Environment



Resources



Performance



InnoSmart



CIC GREEN PRODUCT CERTIFICATION



CIC GREEN
PRODUCT CERTIFICATION



CIC GREEN
PRODUCT CERTIFICATION



CIC GREEN
PRODUCT CERTIFICATION



CIC GREEN
PRODUCT CERTIFICATION



CIC GREEN
PRODUCT CERTIFICATION

Industry Best Practices and Guidelines



Knowledge

Retro-Commissioning



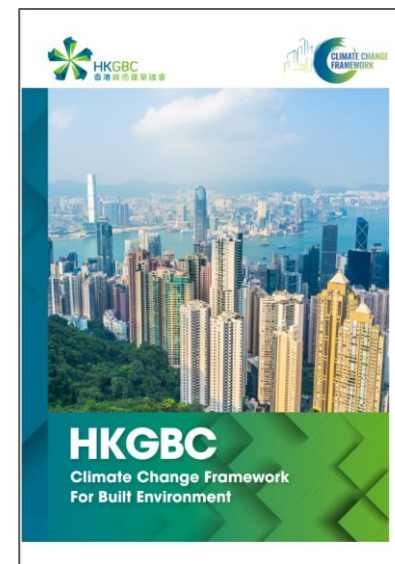
Retrofitting



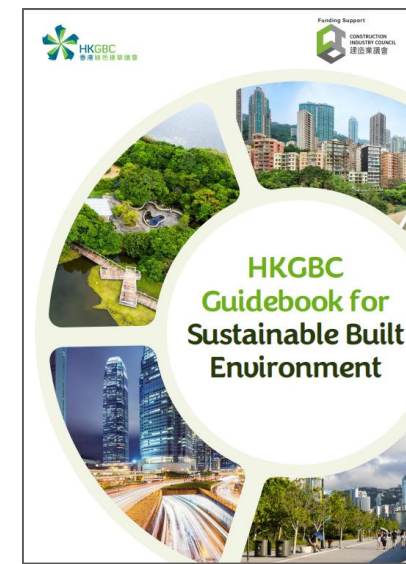
Advancing Net Zero



Climate Change Framework & Certification Scheme



Sustainable Built Environment



Retrofitting Hub: A new online platform sharing the latest in building energy efficiency retrofits – strategies, case studies, and innovations.

Network of Strong Support



Engagement

Inaugural in **2009**



4 Founding Members



Over

190

Institutional Members

Over

5,600

Associate Members

Cross-sector Influence

16.1 % Developers / Management Companies

4.7 % Professional Organisations / NGOs

4.2 % Universities

2.6 % Public Bodies

2.1 % Utility Companies

1.6 % Finance Companies



40.1 % Contractors

28.6 % Consultants

As at 31 Dec 2024

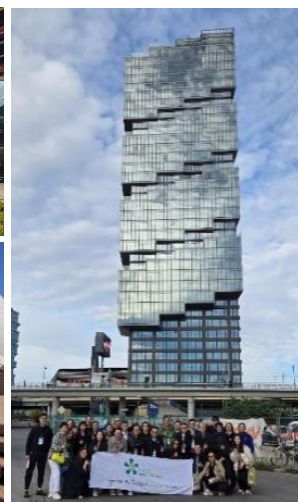


Market Impact: Industry Engagement



Engagement

Seminar & Conference



Delegation & Site Visit



Green Building Award



Hong Kong Green Shop Alliance Award



Exhibition



Market Impact: Community Engagement



Engagement



Hong Kong Green Building Week



Jockey Club Energy Saver in Schools Project



Media Coverage

Way Forward

Leveraging Hong Kong's Strong Green Building Capabilities -



☐ Well-established certification system



☐ Green building materials and products



☐ Green and sustainable financing & investment



☐ Innovative construction methods



☐ Mature facility management practices



☐ Sustainable community developments



Fully integrate these strengths into major new developments across the territory, such as the **Northern Metropolis**; and seize emerging opportunities under the **Greater Bay Area**, **Belt and Road Initiatives**, and beyond.

北部都會區
Northern Metropolis



Our Journey to Sustainable Built Environment





THANK YOU

Reach us to find out more !



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