



Examples Sharing on Building Sustainable Cities with Universal Design in GBA

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Founder and President of Unleash Foundation

The Way We Build – We live.
The Way We Live – We are.





Mr. Nelson Yip Siu-hong, MH

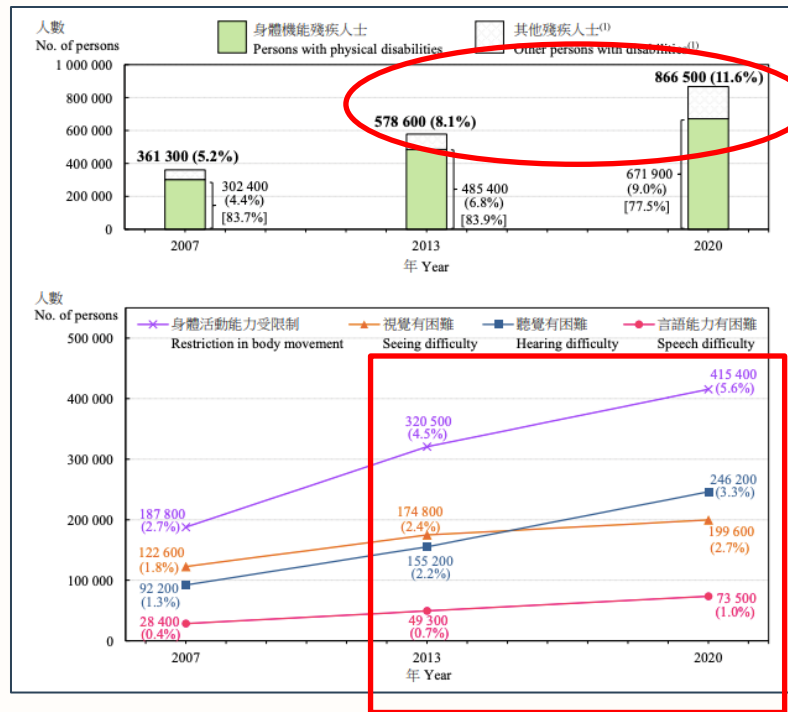
- Bachelor of Science (Major in Statistics, Minor in Computer Science)
- Master of Arts in Quantitative Analysis in Business
- Master of Business Administration
- Official Representative of Paralympics Equestrian Event, Beijing Olympics 2008
- 2008 Beijing Olympics Torch Bearer
- Honorary Fellow of the City University of Hong Kong and Hong Kong Lingnan University
- Medal of Honor from Hong Kong Special Administrative Region
- Lion Rock Entrepreneur Award / The Spirit of Hong Kong Awards
- Trade and Industry Advisory Board (TIAB), HKSAR Government – Ex-Member
- Council for Sustainable Development - Strategy Sub-committee – Ex-Co-opted Member
- Equal Opportunities Commission, HKSAR Government – Ex-Executive Committee Member
- Curriculum Development Council Committee on Applied Learning – Ex-Member
- Appeal Board Panel (Town Planning)
- Composition of Advisory Committee, OGCIO, HKSAR Government – Co-chairman
- Recognition Scheme (Scheme) of the Web Accessibility Campaign
- Vocational Training Council's Training Boards and Committees, Committee on Vocational Training for People with Disabilities – Member
- SME Mentorship Programme, Department of Trade and Industry, HKSAR Government – Mentor
- Microfinance Scheme, Microfinance Unit, Hong Kong Mortgage Corporation Ltd – Mentor
- Founder and Chairman of Unleash Foundation
- Founder and Chairman of Chinese Hong Kong Culture Exchange Association
- Founder and Director of EP Venture Co. Limited and Appetizup Co. Limited
- Investment Partner, Angel Investment Foundation



Persons with Disability (PWD) in Hong Kong

Compared with the population with disabilities (except intellectual disability) in 2013, there is a **287,900 (3.5%) increase** in Hong Kong's persons with disability in 2020.

All types of disabilities have shown increase in number of persons.



Top 10 Most Accessible Cities

Voted by 3,500 tourists with disabilities

Asian countries are getting more and more accessible!

Amsterdam, Netherlands

Las Vegas, NV, USA

London, UK

New York, USA

Orlando, USA

Paris, France

Shanghai, China

Singapore, Singapore

Sydney, Australia

Tokyo, Japan

Source: Valuable 500 – Accessible Cities Report, 2022 (<https://www.thevaluable500.com/wp-content/uploads/2022/11/1Valuable-500-Accessible-Cities-Report-2022-1.pdf>)

City Project Examples

01 Singapore

02 Mainland China
(Shanghai, Shenzhen, Zhongshan...)

03 Hong Kong





01

Singapore



Singapore Project Examples

Enabling Masterplan 2030

Since 2007, Singapore has had 3 five-year accessibility road maps. “Enabling Masterplan 2030” is the latest roadmap published in 2022:

- Contains **29 recommendations along 3 strategic themes** to guide govt. efforts in shaping future disability landscape
- Developed **by, for, and with** persons with disabilities and their caregivers
- **Private enterprise follows** since government has taken lead.

Building and Construction Authority (BCA)

- Administers **Accessibility Fund** that provides capital incentive to help owners improve buildings’ accessibility
- Published **UD Guide for Public Places** to raise awareness and guide designers in incorporating UD principles
- Implemented **UD Excellence Award & UD Mark Certification Scheme** to encourage developers adopt UD





02

Mainland China

Shanghai, Shenzhen, Zhongshan, Beijing...



Mainland China Project Examples - Accessibility

Information Accessibility

- Released **~30 UD specification standards** in policy documents (2023)
- Guided **1,735 websites, apps, smartphones/TVs** to complete transformation updates
- Telecommunication companies have set up **barrier-free passages, special seats for elderly, exclusive preferential rates, large-character bills** and other services



Institute for Accessibility Development (ADI)

- Founded by **Tsinghua University** in 2016; Based on global vision, international standards, Chinese characteristics, well-known corporations, and world-class scholars
- Stands out as a **national featured think tank** and **accessible tech innovation platform**
- Research projects: **Intelligent touchscreen keyboard for visually impaired people, energy-stored exoskeleton for spinal cord injured patients** etc.



Barrier-free Digital Map (春芽無障礙地圖)

- Introduced by Shenzhen in 2023 to provide **AI personalized routes** for PWD and elderly
- Classifies roads into three colors: **green, orange, red** – representing **varying levels of accessibility** for wheelchair users
- **Integrates data** such as geographic info, barrier-free facilities, road traffic conditions etc.
- Employs **Bluetooth** and **QR code** function to accurately identify users' locations



Mainland China Project Examples - Sustainability

UrbanLab Sustainable PropTech Ecosystem

- UrbanLab is the first real estate alliance on **sustainable property tech and innovation**
- Highlighted 3 core real estate sustainability themes to accelerate in 2023: **Integrated Energy Service, Green Building Materials, and Intelligent Human Assistance**
- **Boldly invest** in early-stage proptech startups; Hosted PropTech Forum in Shanghai



3D Rotary Car Parking System

- Shenzhen deployed 136 **vertical circulation smart 3D garages** in Dalang Commercial Center, adding 1,632 parking spaces to alleviate **shortage of parking spaces**
- Equipped with **super sensors, AI platforms, QR code system** to increase safety level and shorten parking and pick up process
- Using **green steel structure building materials** and **glass curtain walls** can reduce carbon emissions by more than 35% compared to traditional concrete materials



Zhongshan Top 10 Themed Industrial Parks

- **New Energy Industrial Park** - Focuses on development of high-end equipment manufacturing, new optoelectronics and new energy industries (including hydrogen, wind, and solar energy)
- **Gusheng Environmental Home Furnishing Industrial Park** – Aims to build a shared economy platform of collective pollution control for enterprises in smart home industry

03

Hong Kong



Hong Kong Project Examples

LINK Community Projects – Live The Vision

Offers **professional Life Coach training** to visually impaired youth to **enhance their employment skills**

After a year in training, they will put their learning into practice at schools

Hope visually impaired youths can inspire and encourage other students to develop positive attitudes through **sharing their own life experiences and passion**



Hong Kong Project Examples


LINK Community Projects – The Art of Life Journey



Provides **emotional support services** and **life-and-death education** for elderlies and their caretakers from non-Chinese groups

Uses **expressive arts therapy** and various art forms to help seniors **overcome language barriers**

Hosts exhibitions that showcase senior artworks to engage the public and **promote an inclusive society**



“We can promote the GBA to set a model for our country’s regional barrier-free environment development and seek benefits for more people in society.”

“In 2025, **Guangdong, Hong Kong and Macao** will jointly host the **National Games** (全運會) and the **Paralympic Games** (殘特奧會). This is a major opportunity to promote high-quality development of barrier-free constructions concerning persons with disabilities.”

——Mr. Shiming LV, Deputy of NPC and Vice-Chairman of China Disabled Persons’ Federation



Thank you!

