PART 1: THE PRODUCT

Khoo Teng Chye
Executive Director, Centre for Liveable Cities
Singapore in the 1950s & 1960s
– A country plagued with the challenges of urbanisation
Singapore Today
A global city and endearing home
CLC Liveability Matrix

Source: 2016 Mercer Quality of Living Survey, Various government data sources.

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Singapore’s Housing Through the Years

- Land Acquisition Act (1966)
- Creation of HDB from the dissolution of the Singapore Improvement Trust (1964)
- Development of Toa Payoh Town (1970-1980s)
• **High-density, high-rise** flats built since independence when it was unpopular in other cities. Today, 80% of residents live in HDB flats.

• **Self-contained towns** with schools, libraries, clinics/hospitals, supermarkets, F&B outlets, accessible transportation, and recreational facilities.

• **22 towns as cities, not just one city**

• Ensure **social integration** through mixture of flat types, racial quota, common public spaces. Keep **community identities** strong.
Between 1986 and 2010, despite growth in population from 2.7 million to 5 million...

The green cover in Singapore in 1986

The green cover in Singapore grew from 35.7% to almost 50% by 2010
101 hectares set aside in the city centre for Gardens by the Bay

Sustainable Environment – City in a garden
Blue Map of Singapore

17 reservoirs
32 rivers
7,000 km of waterways and drains
Water as a Social and Environmental Asset: ABC Waters

Naturalized canal integrated as part of the park, accessible to public for recreation uses

Before

After

- Network of drains, canals and reservoirs transformed into vibrant and beautiful streams, rivers and lakes, integrated with the urban landscape

- From waterways to active, beautiful, and clean community spaces.

Source: PUB

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Building a City in Nature

- Garden City
- City in a Garden
- City of Gardens and Waters
- City in Nature

Liveability

Population density
High Quality of Life
– Transport & population density

- Rail lines from 178km today to 360km by 2030
- 80% households within 10-min walk of a train station
- Population of 5.61 mil
- Land area of 719 km2
- 7,797 persons/km² density

Legend
- Rail lines before Land Transport Master Plan (LTMP) in 2008
- Rail lines in LTMP2008
- Rail lines in LTMP2013
National Cycling Plan
More than 700km of cycling paths island-wide by 2030

Active Mobility
Joint initiative with ULI, and has sparked initiatives with LTA on cycling towns in Ang Mo Kio, Tampines etc

A greener and healthier alternative, increasingly popular for short distance travel and as ‘first/last-mile’ of public transport journey

Quality of Life
Greener, healthier mobility
PART 2: THE PROCESS

Khoo Teng Chye
Executive Director, Centre for Liveable Cities
Mission: To distil, create and share knowledge on liveable and sustainable cities.

Focus Areas:

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Singapore Liveability Framework

Framework for planning and developing a liveable city

High Quality of Life
Competitive Economy
Sustainable Environment

Outcomes (What’s)
Systems (How’s)

Integrated Master Planning & Development
Dynamic Urban Governance

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How did Singapore achieve growth and liveability?
Execute Effectively
– Joint effort by multiple public agencies

Public Works Department
Integrated Master Planning

Concept Plan

Master Plan

Development Plans

Doubling the Train Network by 2030

Concept Plan through the ages

5 years

10 - 15 years

40 - 50 years

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Dynamic Urban Governance
– Lead with vision and pragmatism


Dynamic Urban Governance – A Reflection

People

Leaders

Institutions

Market / Companies

Create sound institutions with competency & integrity

Forge consensus; Trust & political will

Work with community

Facilitate the market

Create jobs; Provide products & services

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Forward-looking research to inform current and future urban challenges

- By taking a systems and integrative approach to current urban issues
- By working collaboratively with international organisations on research of interest and value to policy formation

Joint publications by ULI and CLC

Publication launch at 11:00am today during the ULI Talk ‘Sustainable Urban Mobility and Real Estate’
The biennial World Cities Summit (WCS) is an exclusive platform for government leaders and industry experts to address liveable and sustainable city challenges, share integrated urban solutions and forge new partnerships.

**Key highlights:**
- WCS Mayors Forum (annual)
- WCS Young Leaders Symposium (annual)
- Lee Kuan Yew World City Prize
- WCS Thematic Tracks
- City Solutions Singapore exhibition

WCS 2016 was held successfully in Singapore with the theme “Liveable and Sustainable Cities: Innovative Cities of Opportunity”.

WCS 2018 will be held in Singapore July 2018.