





















Smart City – Goals



Area = 710 sg km*

Facts on Singapore

- Population of 5.61 mil
- Land area of 719 km²
- 7,800 persons/km² density
- Very limited natural resources
- Essential needs of a country for defence, accessibility (airport, sea port), basic survival (e.g. water supply and catchment)

Laying the Foundation Right

"Smart" principles to guide our urban development towards the sustainable and liveable outcomes





Integrated Master Planning & Development

Dynamic Urban Governance

- Think long term
- "Fight productively"
- Build in flexibility
- Execute effectively
- Innovate systematically

- Lead with vision and pragmatism
- Build a culture of integrity
- Cultivate sound institutions
- Involve stakeholders
- Work with markets



Planning and Development Framework

CONCEPT PLAN

Maps out strategic vision over the next 40-50 years



MASTER PLAN

Guides development over the next 10-15 years

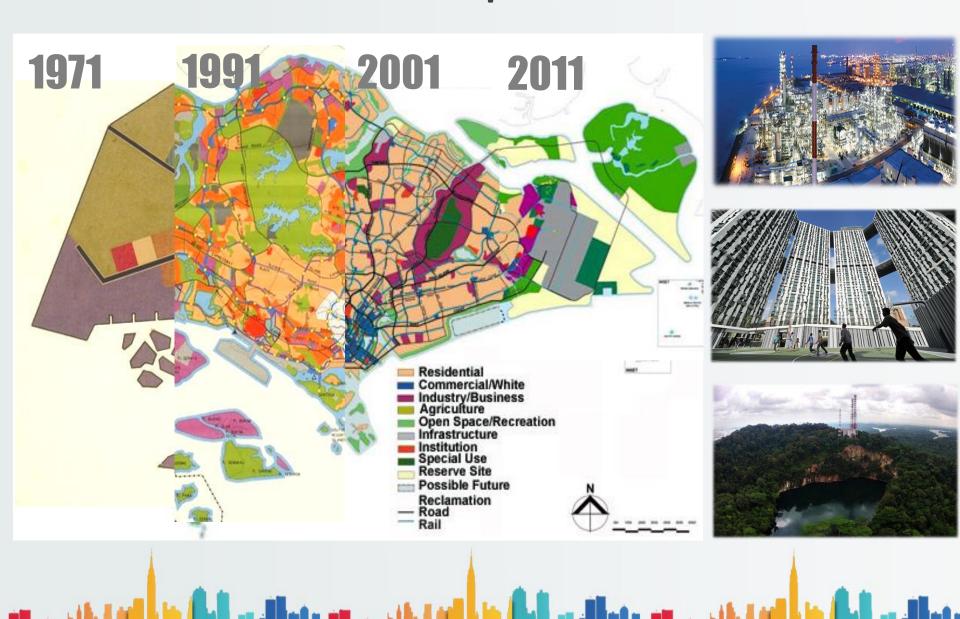




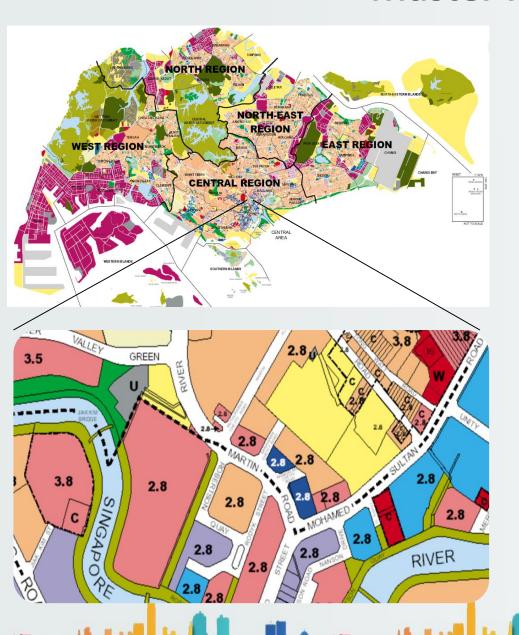
LAND SALES & DEVELOPMENT COORDINATION

DEVELOPMENT CONTROL

Concept Plan



Master Plan



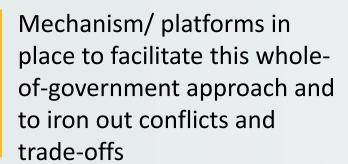
Provide detailed land use plan to guide development for individual land plot.

Provide transparency and facilitate efficient development process.

Reviewed periodically and systematically to keep pace with the development trends and new demands.

Whole-of-Society Effort

A multi-agency and multistakeholder effort; with public consultation



Example: Master Plan Committee (MPC); Garden City Action Committee (GCAC)



















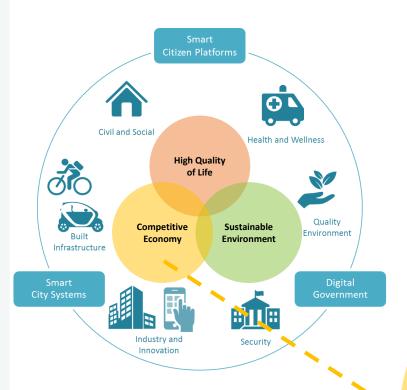






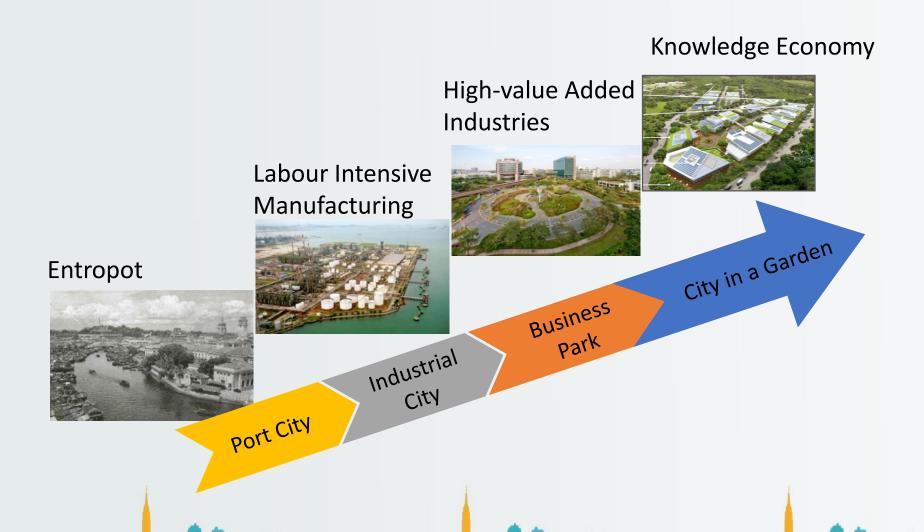


Competitive Economy



- 1. Resilient Economy
- 2. Competitive Workforce
- 3. Inclusive Growth

Competitive Economy



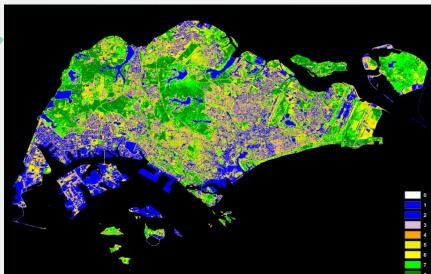
Sustainable Environment



- 1. Adequate land, water and energy to meet long term needs.
- 2. Clean and good quality environment (air, water, waste management, noise level)
- 3. Green & Healthy Eco-Systems
- 4. Resilient to Environmental Risks (climate change, natural disasters, food security)

Sustainable Environment









High Quality of Life



- 1. Safe & Secure environment
- 2. Equitable & Inclusive society
- 3. Accessible & Adequate public goods and services (transport, water, sanitation, health system)
- 4. Affordable & Diverse social, recreational & cultural aspects to meet essential needs

High Quality of Life



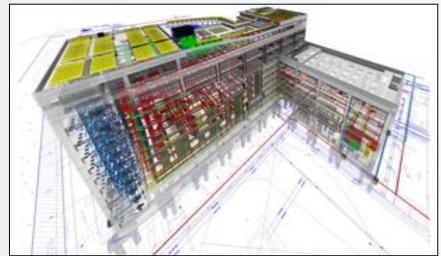
- **High-density, high-rise** flats built since independence when it was unpopular in other cities. Today, 80% of residents live in public housing flats.
- **Self-contained towns** with schools, libraries, clinics/hospitals, supermarkets, F&B outlets, accessible transportation, and recreational facilities.
- Ensure social integration and community identities through various programmes.

Intelligent Systems in Various Urban Domains

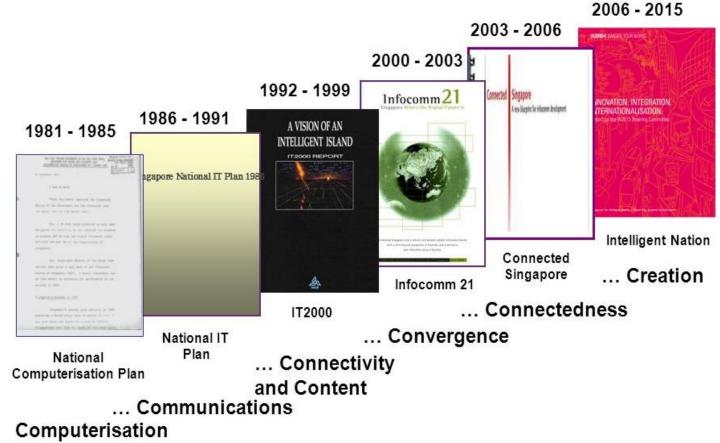








Foundation for Smart City

















Home & Environment

Enhance safe, sustainable and liveable living environment



Air Temperature

Smart Mobility

Optimise space for more efficient, safe, reliable and enhanced transportation

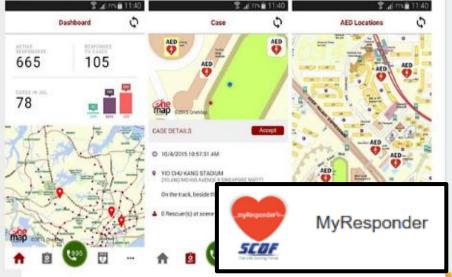


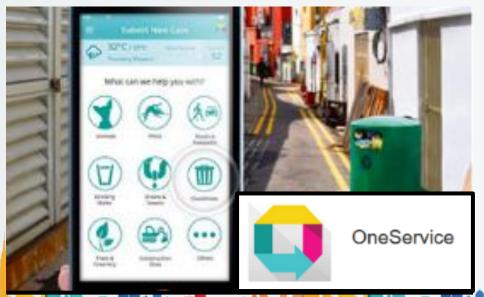
Public Sector Services

Tech-enabled solutions to enhance quality of public services

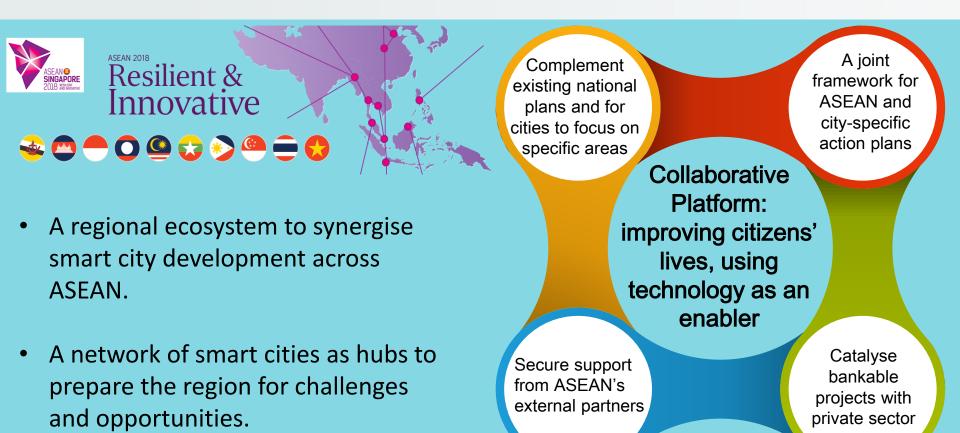


- Collection of ground sensing data such as crowd-sourcing, civil engagement and government data sharing portal
- Greater sense of community ownership, participation and problemsolving on the Internet





ASEAN Smart Cities Network (ASCN)







INDUSTRY PARTNERS







High
Quality of Life

Competitive
Economy
Sustainable
Environment

Version 2 (Updated as of 14 June 2018)

URBAN

DEVELOPMENT FOCUS AREAS

ENABLERS

Integrated Master Planning and Development

· Dynamic and Adaptive Urban Governance

Civic & Social

- Social Cohesion
- Culture and Heritage
- Tourism
- Public and Municipal Services

Health and Well-being

- Housing and Home
- Healthcare
- Education

Safety and Security

- · Resource Security
- Cybersecurity
- Public Safety, City Surveillance and Crime Prevention

Quality Environment

- Clean Environment
- Resource Access and management.
- Urban Resilience

Built Infrastructure

- Utilities
- Mobility and Transportation
- Buildings and Construction

Industry and Innovation

- Business &
 entrepreneurship
- Trade and Commerce
- Upskilling
- Technology Incubation
- Research

Digital Infrastructure & Applications

Partnership & Funding





Thank You!