



Office of the Government Chief Information Officer
The Government of the Hong Kong Special Administrative Region
of the People's Republic of China

I&T and Smart City Development in Hong Kong

Mr Gavin Wah
Chief Systems Manager (Smart City)
12 Mar 2024

Hong Kong I&T Development Blueprint

Four Broad Development Directions



To enhance the I&T ecosystem and promote “new industrialisation” in Hong Kong

To enlarge the I&T talent pool and create strong impetus for growth

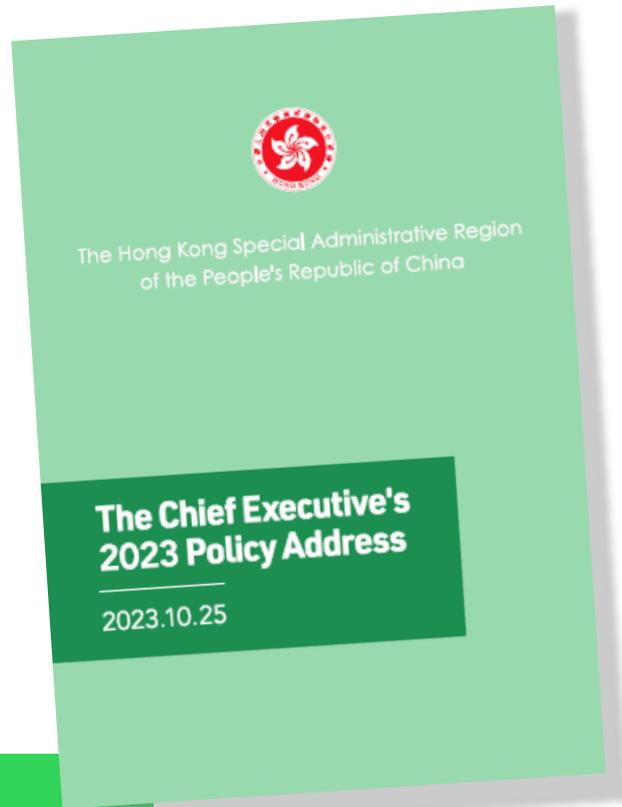


To promote digital economy development and develop Hong Kong into a smart city

To proactively integrate into the overall development of the country and consolidate our role as a bridge connecting the Mainland and the world



Some Key I&T Initiatives related to Smart City Development in the 2023 Policy Address



- **Advance development of digital government**
- **Artificial intelligence (AI) development**
- **Foster talent development**
- **Promote cross-boundary data flow**
- **New land supply for I&T use**

Setup of Digital Policy Office

Digital Policy Office



Led by the Commissioner for Digital Policy, to formulate policies on –

- digital government
- data governance
- information technology

To consolidate information technology related resources within the Government, promote the opening up and sharing of data and co-ordinate with departments to offer more digital services





iAM Smart and Single Portal for Public Services

Latest News of iAM Smart

Latest status of iAM Smart

- Over **2.6 million** registration
- Over **330** online services
- New homepage design
- Useful daily information



Cross-boundary public services

- Use iAM Smart to access **Guangdong government services**
- Establish iAM Smart registration service counters in **Guangzhou and Shenzhen**



Awarded ISO certifications

- **ISO/IEC 27001:2022**
(Information Security Management System)
- **ISO/IEC 27701:2019**
(Privacy Information Management System)



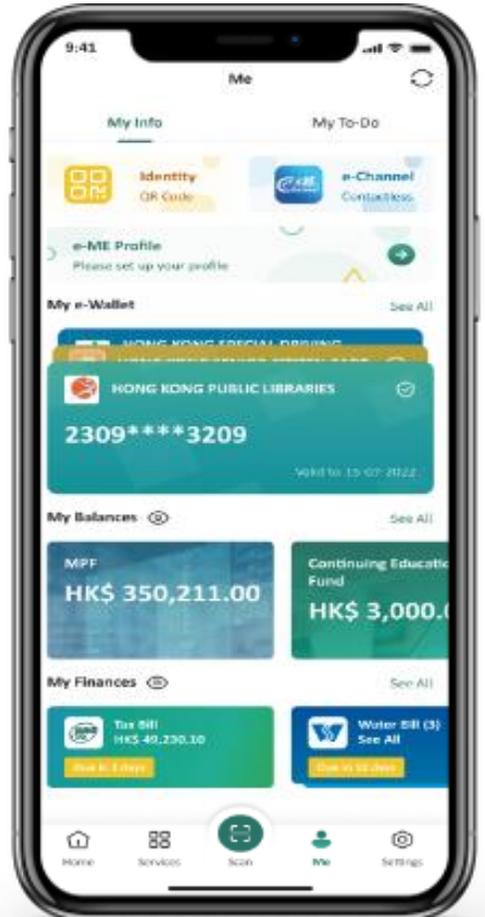


iAM Smart and Single Portal for Public Services

More Enhancements on iAM Smart



- 1 Personal dashboard**
 - Sharing personal information and identity documents
- 2 Remote registration of iAM Smart+**
 - More convenient registration via mobile app by verifying HKIC's chip data using NFC
- 3 Citizen-centric service categorisation**
 - More user-friendly grouping of commonly-used government online services by specific themes



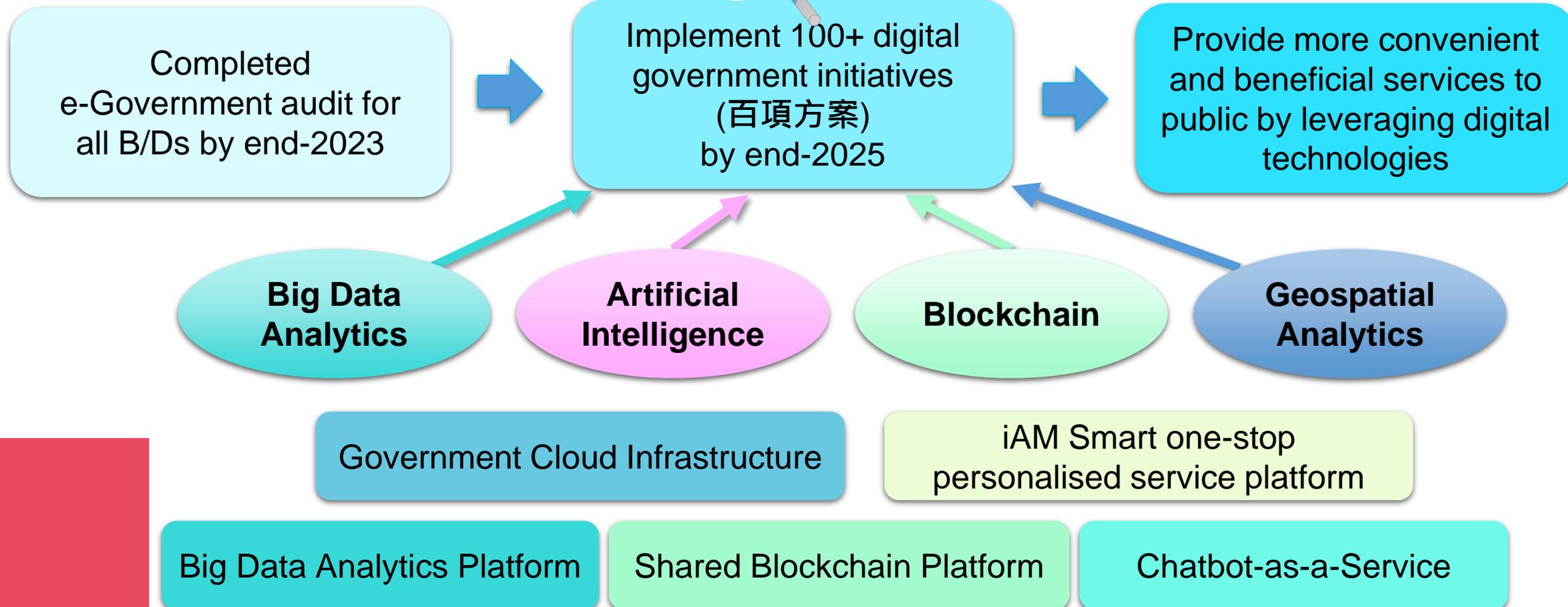
- 4 Streamlined workflow**
 - One-tap logon with streamlined workflow
- 5 Step-up authentication**
 - Additional identity authentication for high-valued or critical transactions
- 6 Identity QR code**
 - QR code containing masked / unmasked personal information for identity verification

For illustration purpose only

Advance the development of digital government

e-Government Audit

Implement **100+ digital government initiatives** to promote digital government and smart city



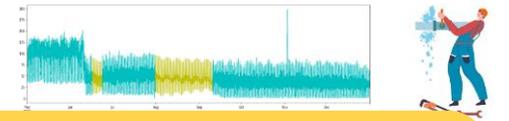
Advance the development of digital government

Accelerate Development of Digital Infrastructure

Common Spatial Data Infrastructure (CSDI) Portal



Traffic Data Analytics System



Water flow and pressure analytics for Water Intelligence Network

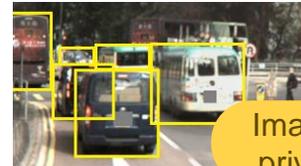
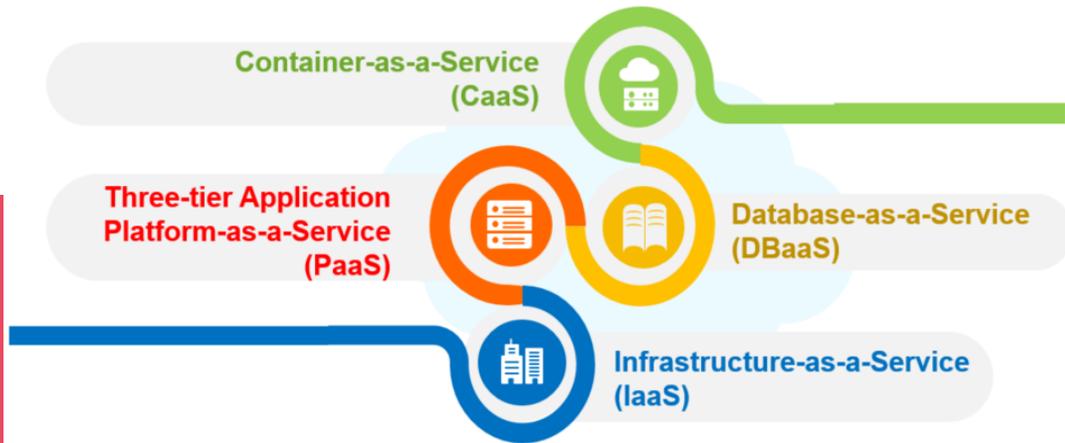


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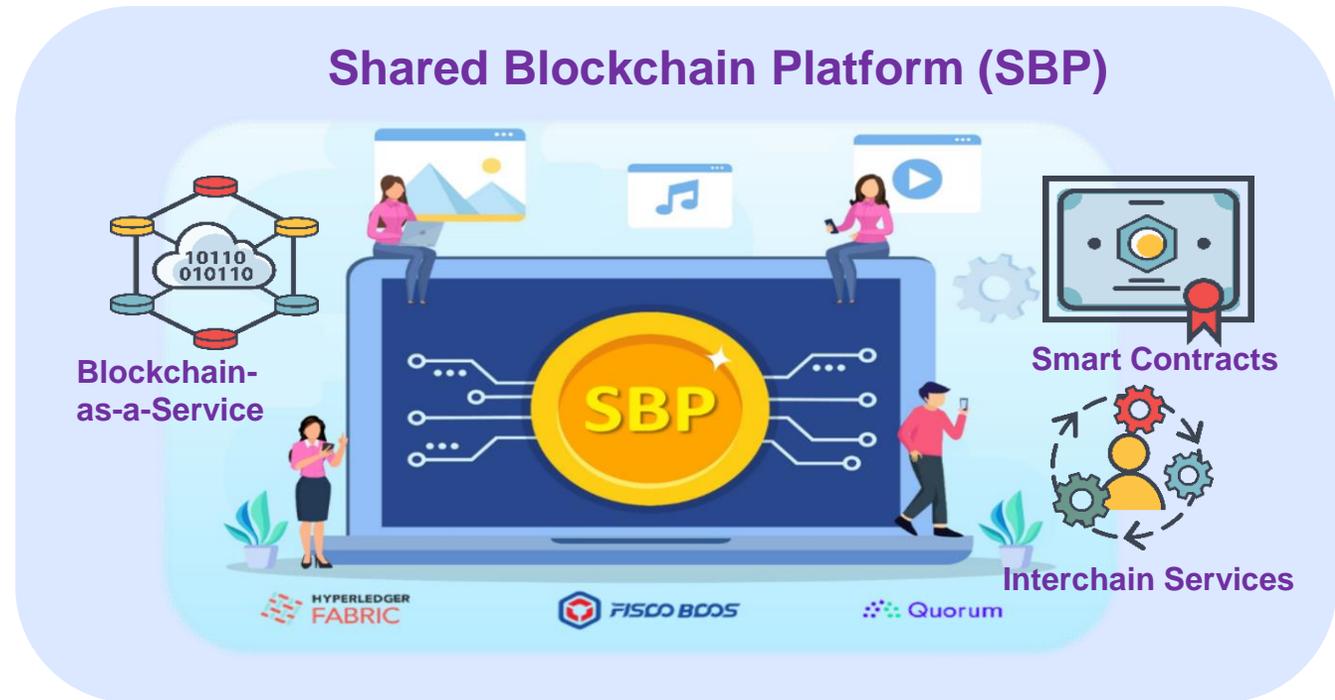


Public toilet analytics for better maintenance

Government Cloud Infrastructure Services (GCIS)



Shared Blockchain Platform (SBP)



Open and Sharing of Data for Improving Public Services



- 3 250 datasets
- 60 data providers
- 1 200 APIs

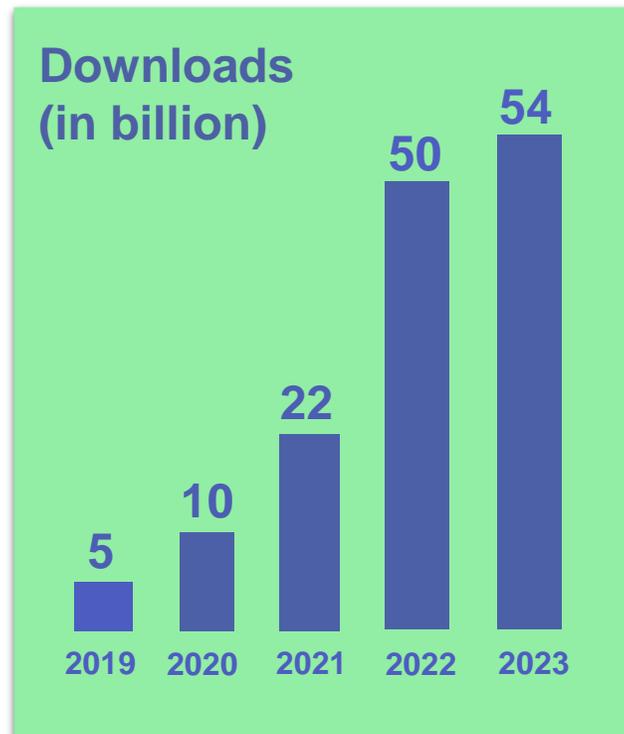
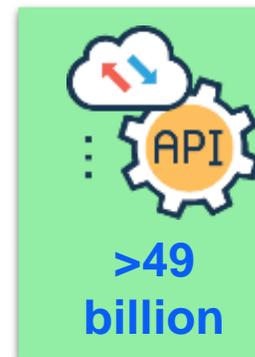
Oct 2018

Feb 2024

- 5 300+ datasets
- 118 data providers
- 2 200+ APIs

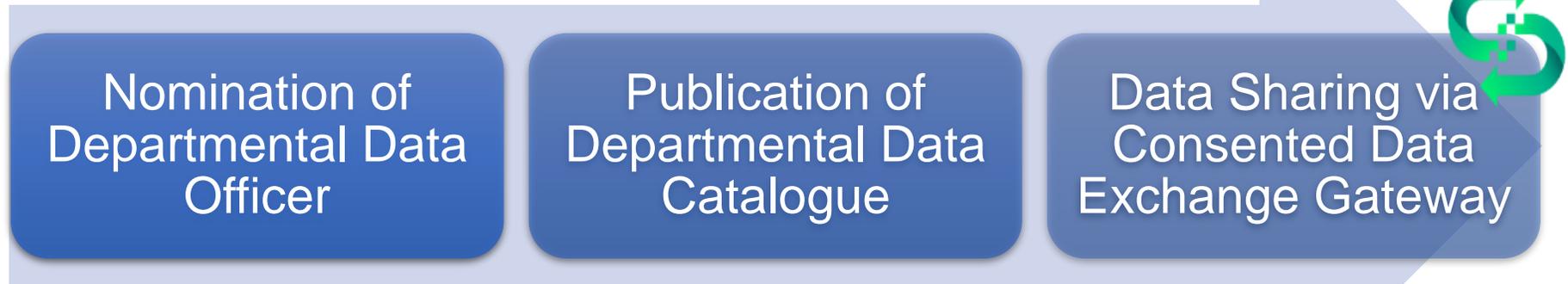
Popular datasets

- Real-time ETA data for public transport
- Real-time weather data
- Digital maps

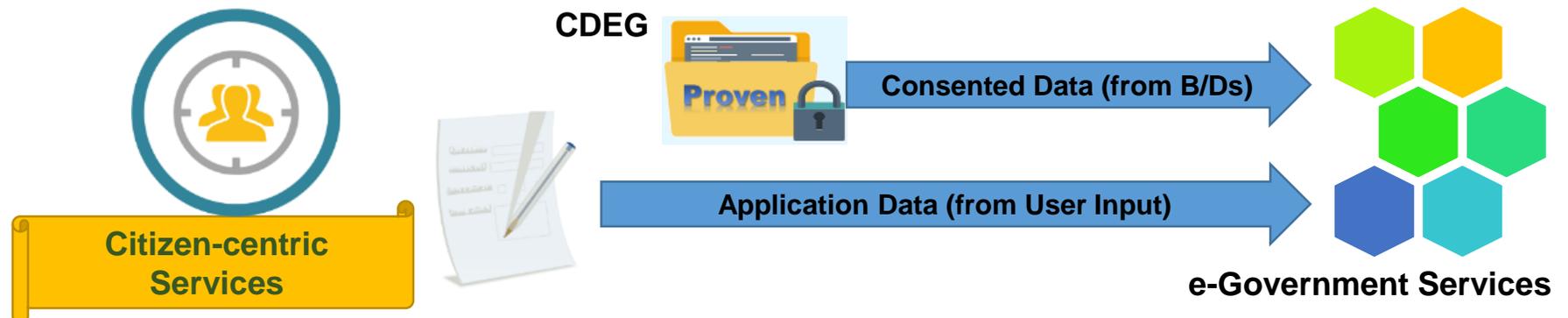


Open and Sharing of Data for Improving Public Services

B/Ds should as a matter of principle and priority **enable data sharing** with other B/Ds



Streamline user experience in transacting online applications with the Government



Facilitating Data Flow and Safeguarding Data Security

Policy Statement on
Facilitating Data Flow and Safeguarding Data Security in Hong Kong

I. FOREWORD

This document is published by the Innovation, Technology and Industry Bureau ("ITIB") and the Office of the Government Chief Information Officer to set out the Government's management principles and key strategies on facilitating data flow and safeguarding data security, being two important components of data governance. It puts forward specific action items to further promote the efficient flow of data and to strengthen protection of data security, covering areas such as top-level design, policy formulation, legislation and guidelines, infrastructure support and cross-boundary data flow. This serves to promote development and safety in a more coordinated manner, support the development of innovation and technology ("I&T"), digital economy and smart city, and fuel the advancement of Hong Kong as an international I&T hub.

II. BACKGROUND AND VISION

2. The "Outline of the 14th Five-Year Plan for National Economic and Social Development of the People's Republic of China and the Long-Range Objectives Through the Year 2035"^[1] ("14th Five-Year Plan") clearly states the country's commitment to developing digital economy, promoting digital industrialisation and industry digitisation, and deepening the integration of digital technologies with the economy, thereby building a globally competitive cluster of digital-based industries. The 14th Five-Year Plan also affirms support for Hong Kong's development as an international I&T hub.

3. Data is a key element of new production in the digital era that ushers in innovation and drives high-quality development of the digital economy. A new wave of technological reforms brought by data-driven applications and the rise of big data and artificial intelligence ("AI") is indeed reshaping Hong Kong's technological landscape, industry structure and economic pivot.

4. Hong Kong is the country's international financial, trade, maritime and telecommunications centre. We are known for our world-class, versatile and efficient professional services, international business environment, well-established common law system and independent judiciary, sound protection for intellectual property, as well as simple and transparent taxation. Adopting a data-driven approach, Hong Kong can capitalise on the advantages of "One Country, Two Systems" as a special region across the boundary, enhance its digital

ITIB published the Policy Statement on Facilitating Data Flow and Safeguarding Data Security in Hong Kong (Policy Statement) in December 2023, setting out Government's management principles and key strategies on data flow and data security, and putting forward 18 specific action items. (<https://www.itib.gov.hk/en/publications/>)



Policy Statement on Facilitating Data Flow and Safeguarding Data Security in Hong Kong

AI Supercomputing Centre as a strategic I&T infrastructure

Cyberport is preparing the establishment of AI Supercomputing Centre in phases, from this year onwards



AI Supercomputing Centre



Research
Institutes



Industry



UNIVERSITY
Academia



Government



The Hong Kong Special Administrative Region
of the People's Republic of China

**The Chief Executive's
2023 Policy Address**

2023.10.25

Platform for Training and Building Up AI Talent Pool – InnoHK



\$10 billion allocated to set up
InnoHK Research Clusters at
the Hong Kong Science Park

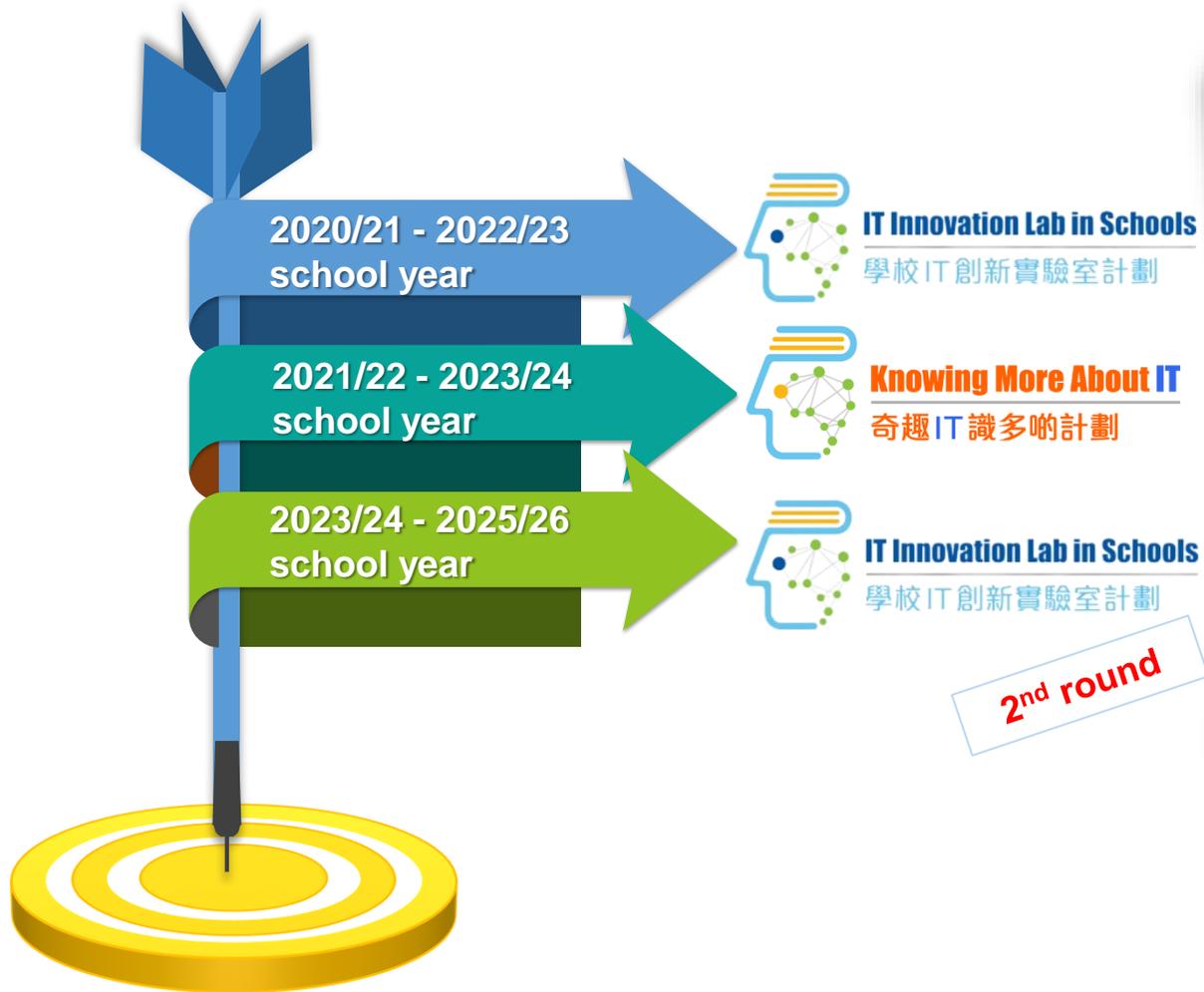
New “Hong Kong Generative AI Research and
Development Center” for R&D on generative
AI and HK-based Large Language Model



14 research laboratories admitted under
AIR@InnoHK, covering AI-driven big data analytics,
AI chips, Fintech, robotics, etc.



Talent Development – IT Innovation Lab in Schools



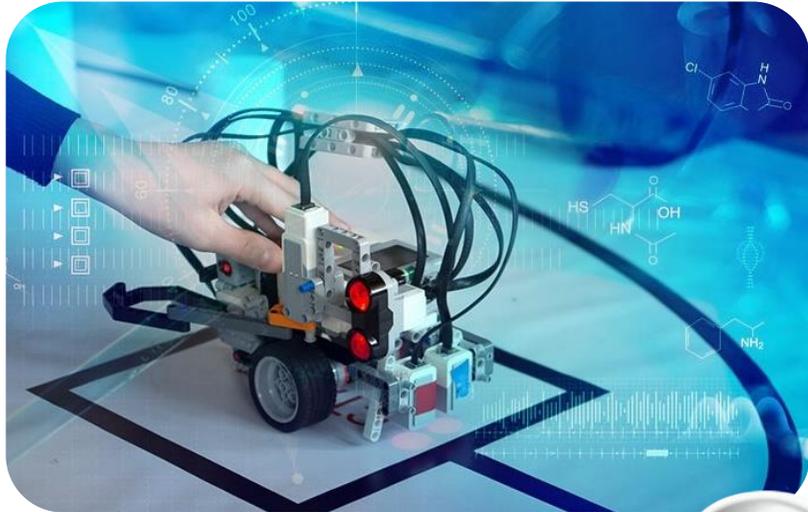
2nd round



As of Feb 2024



Talent Development – STEM Internship Scheme



- Providing short-term internship positions in relevance with I&T to undergraduates and post-graduates taking STEM-related programmes
- Foster their early interest in pursuing a career in I&T after graduation
- Enriching Hong Kong's talent pool
- Expand the number of student interns from 3 000 in 2022 to 5 000 in 2027



Promote cross-boundary data flow



Promoting the “Cross-boundary Public Services” Initiative



Co-operation Agreement between Guangdong and the HKSAR on Co-developing a Smart City Cluster in Mar 2023



Ceremony for promulgation of the Hong Kong / Guangdong Cross-boundary Public Services Co-operation Achievements in Nov 2023



Over 100 frequently used cross-boundary public services



through iAM Smart
log in directly to



“Unified Identity Authentication Platform of Guangdong Province”
廣東省統一身份認證平台



Guangdong Provincial Administrative Service website



“Yue Sheng Shi” (粵省事) mobile app

Facilitating Cross-boundary Data Flow within the Greater Bay Area



- ITIB and Cyberspace Administration of China (CAC) signed the “Memorandum of Understanding on Facilitating Cross-boundary Data Flow within the Guangdong-Hong Kong-Macao Greater Bay Area” on 29 Jun 2023

- ITIB and CAC announced the facilitation measure on “Standard Contract for the Cross-boundary Flow of Personal Information Within the Greater Bay Area (Mainland, Hong Kong)” (“GBA Standard Contract”) on 13 Dec 2023
 - ✓ invited banking, credit referencing and healthcare sectors to join “Early and Pilot Implementation”



New land supply
for I&T use

Align with the Planning of “South-North Dual Engine (Finance – I&T)”

Develop the Northern Metropolis into a “New International I&T City”



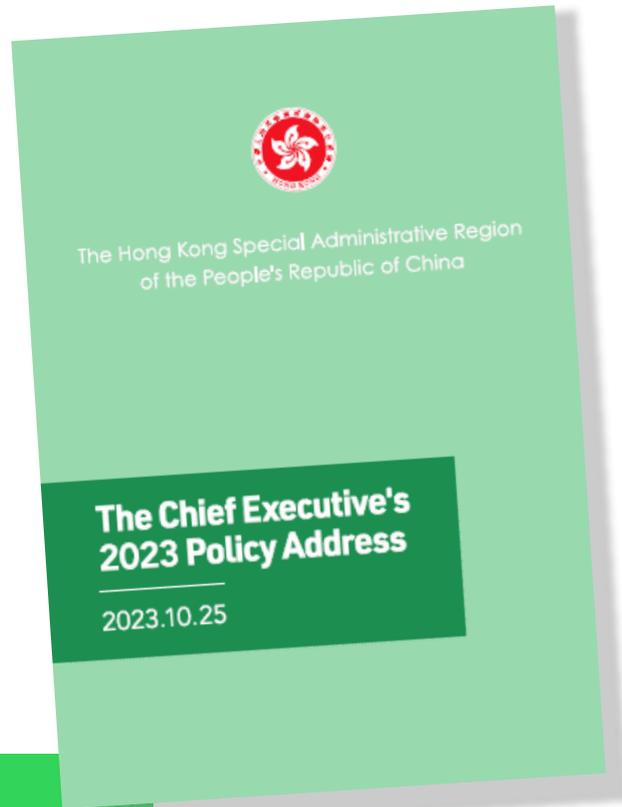
San Tin Technopole



Sandy Ridge for I&T and
related purposes



Other Major I&T Related Initiatives in the 2023 Policy Address



- **Press ahead with “new industrialisation”**
- **Promote R&D and transformation of outcomes**
- **Foster the synergistic development of the Hong Kong Park and Shenzhen Park**



Thank you