Smart City Development in Hong Kong

20 January 2026
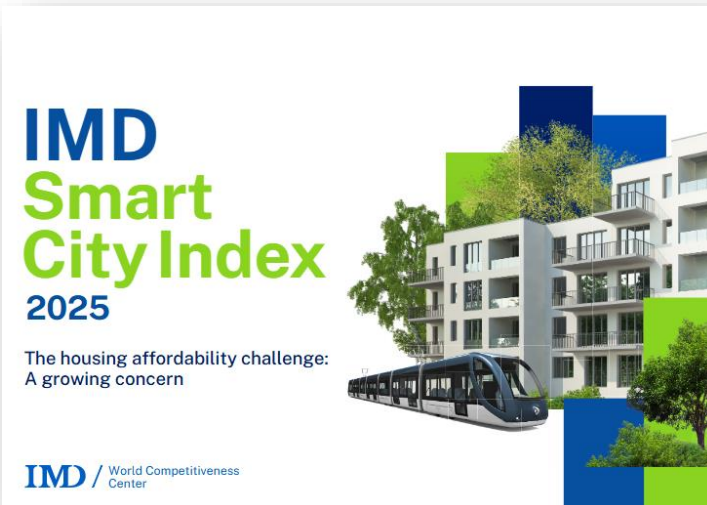
數字政策辦公室
Digital Policy Office

Rankings of HK Smart City

IMD World Digital Competitiveness Ranking 2025
Reconfiguring digital strategies amid trade fragmentation
IMD / World Competitiveness Center

➢ **4th globally** and **2nd in Asia Pacific**
  - ✓ **World #1** : Technological framework, Adaptive Attitudes
  - ✓ **Top 5**: Technology, Knowledge, Talent, Training and Education
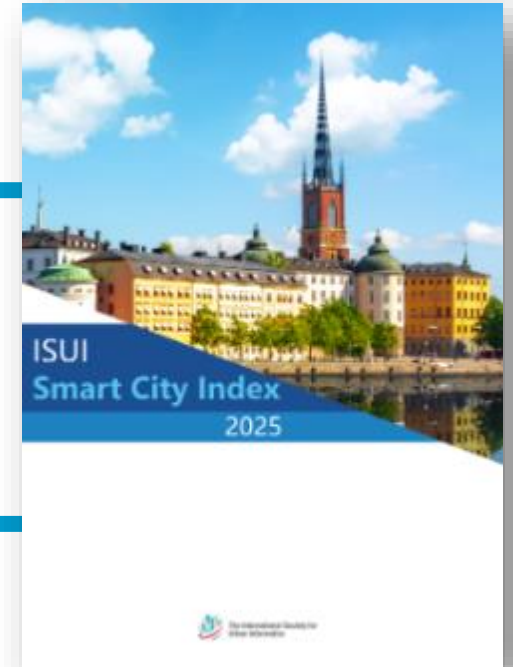 - ✓ **Top 10**: Future Readiness

➢ **8th globally** and **2nd in Asia Pacific**
  - ✓ <u>Economy</u> : robust business environment, high-tech supporting systems and overall value
  - ✓ <u>Governance</u> : smart city policy, e-government initiatives

IMD Smart City Index 2025
The housing affordability challenge: A growing concern
IMD / World Competitiveness Center

ISUI Smart City Index 2025
The International Society for Urban Informatics

➢ **19th globally** and **5th in Asia Pacific**
  - ✓ <u>Technologies level</u> : reliable and high-speed internet connection and online processing of identification documents

Hong Kong I&T Development Blueprint
Four Broad Development Directions

1 To enhance the I&T ecosystem and promote "new industrialisation" in Hong Kong

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

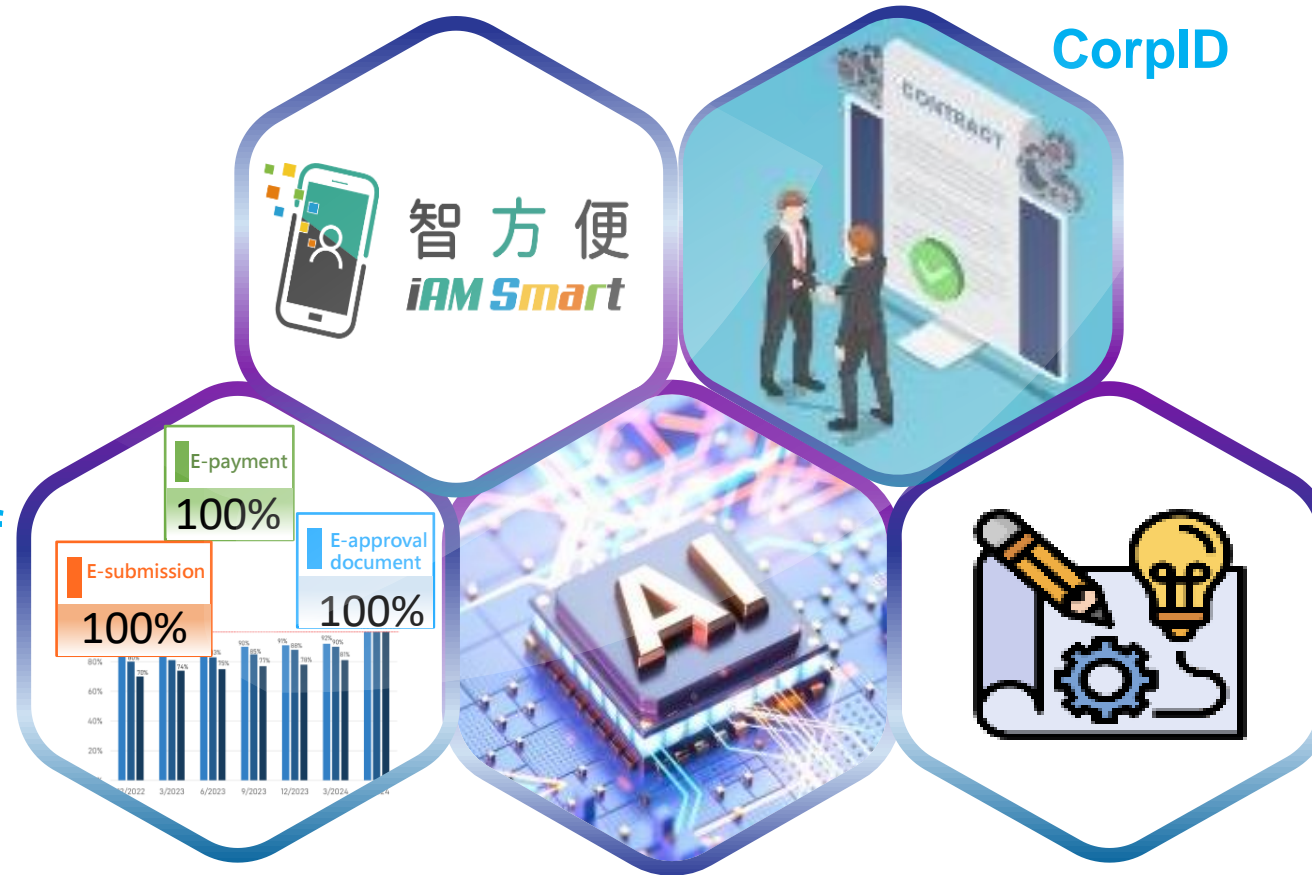**3** To promote digital economy development and develop Hong Kong into a smart city

4 To proactively integrate into the overall development of the country and consolidate our role as a bridge connecting the Mainland and the world
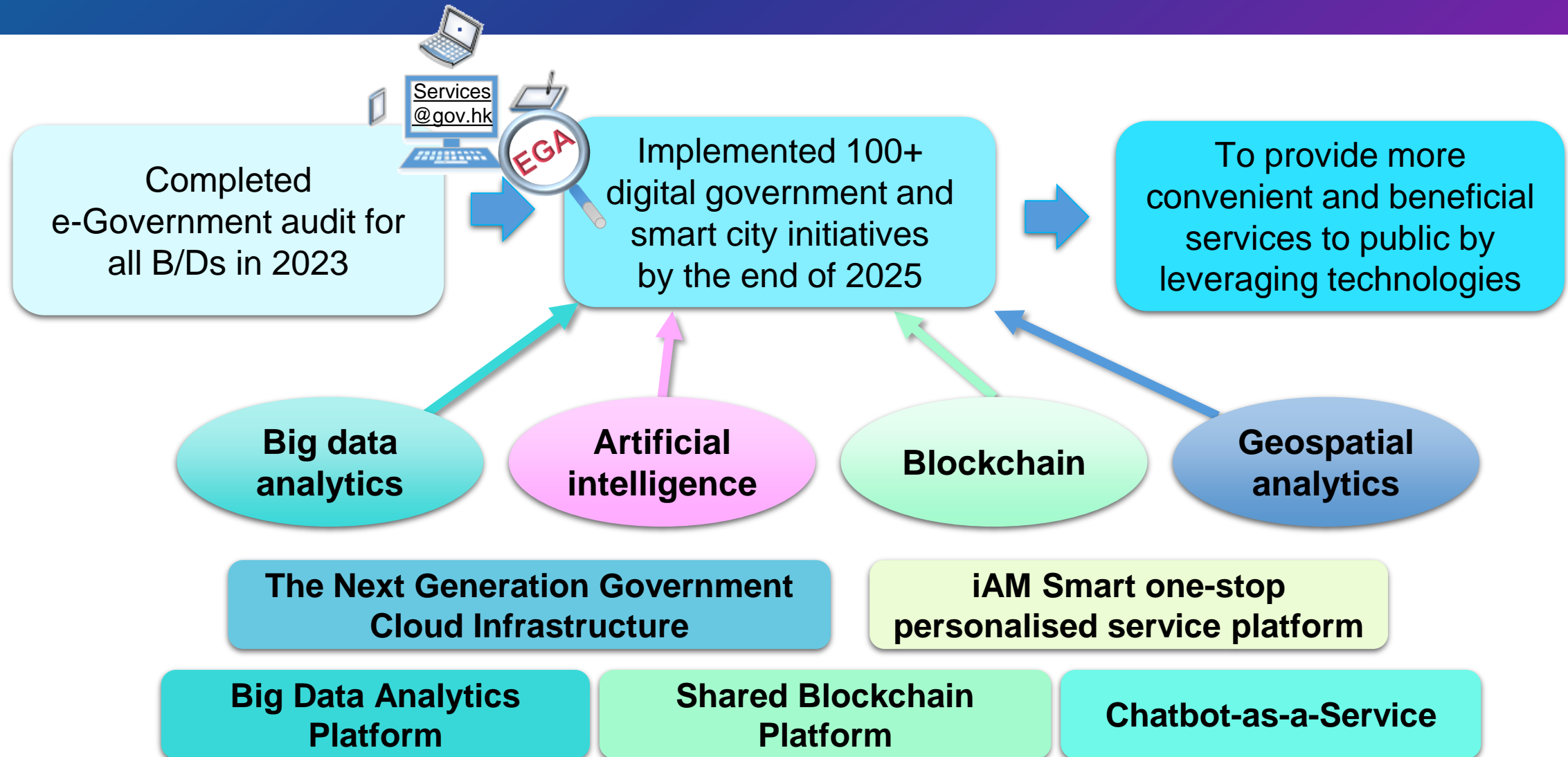
Hong Kong Innovation and Technology Development Blueprint

Innovation, Technology and Industry Bureau
The Government of the Hong Kong Special Administrative Region of the People's Republic of China

Introduction of Digital Policy Office (DPO)

Promulgate data-driven, people-centric and outcome-based policies

Support the sustainable development of digital economy and society

Develop digital government

Mission

Bring impact, convenience and benefits to the public and businesses

Improve government efficiency and services

Digital Government

Digital Infrastructure

Data Governance

Promoting Digital Government Development

CorpID

智方便 iAM Smart

Full digitalisation of licences and government services

E-payment 100%
E-submission 100%
E-approval document 100%

AI+ Civil Services

100+ new initiatives

100+ Digital Government and Smart City Initiatives

Services @gov.hk

EGA

Completed e-Government audit for all B/Ds in 2023

Implemented 100+ digital government and smart city initiatives by the end of 2025

To provide more convenient and beneficial services to public by leveraging technologies

Big data analytics

Artificial intelligence

Blockchain

Geospatial analytics

The Next Generation Government Cloud Infrastructure

iAM Smart one-stop personalised service platform

Big Data Analytics Platform

Shared Blockchain Platform

Chatbot-as-a-Service

Achieving "Single Portal for Online Government Services"

- Over **4** million registered users
- Over **1 300** services and e-forms

ISO certifications awarded
- **ISO/IEC 27001:2022**
- **ISO/IEC 27701:2019**

Personal code

Mini-program platform

Enhanced "e-ME"

Digital document

AI Assistant

Hello

Supporting CorpID

Simplified registration process

Personal assistant page

Step-up authentication

New user interface

Bill payment function

More payment methods

Setting up the "Digital Corporate Identity" Platform

- Corporate version of "iAM Smart"

- Scheduled for launch in end-2026 and the range of services will gradually extend

- Sandbox Programme launched in end-2025 welcomes service providers to conduct PoC testing and develop applications

Corporate Identity Verification

Digital Signing

Form Pre-filling

Document Wallet

Promote and facilitate "Government-to-Business" and "Business-to-Business" digital services

AI+ Tool and Solution Catalogue

➢ Features a wide range of **ready-to-use AI solutions** from multiple suppliers

➢ Covers **seven** common application areas relevant to government operations

- AI-driven Digital Human Customer Service
- AI Meeting Minutes Summaries and Communication Collaboration
- Document Management and Processing
- Writing and Content Creation
- Workflow Management and Automation
- Creativity and Promotional Marketing
- Data Analysis and Prediction

Promotion and Technology Matching Events

➢ Hosts technology forums, seminars, and matching workshops to introduce AI tools and solutions to government departments

智慧政府創新實驗室
Smart Government Innovation LAB

- "Be the Smart Regulator" Programme

- "Streamlining of Government Services" Programme

- Full digitalisation of government services

- Upcoming target :

  to enhance accessibility and user-friendliness of digital government services

Enhancing Data Governance

Departmental data catalogues
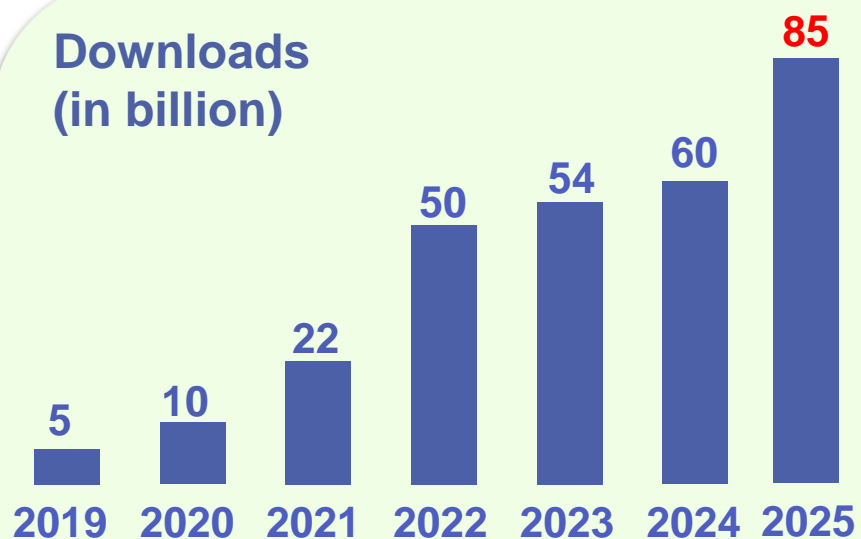
Facilitating cross-boundary data flow

開放數據平台
DATA.GOV.HK

CDEG

Consented Data Exchange Gateway

Data governance thematic web page

開放數據平台
DATA.GOV.HK

**Downloads
(in billion)**

Year	Downloads
2019	5
2020	10
2021	22
2022	50
2023	54
2024	60
2025	**85**

80+ billion

data
~5 billion

空間數據共享平台
Common Spatial
Data Infrastructure

Dec 2025

Datasets
5 700+

Data Providers
110

APIs
2 500+

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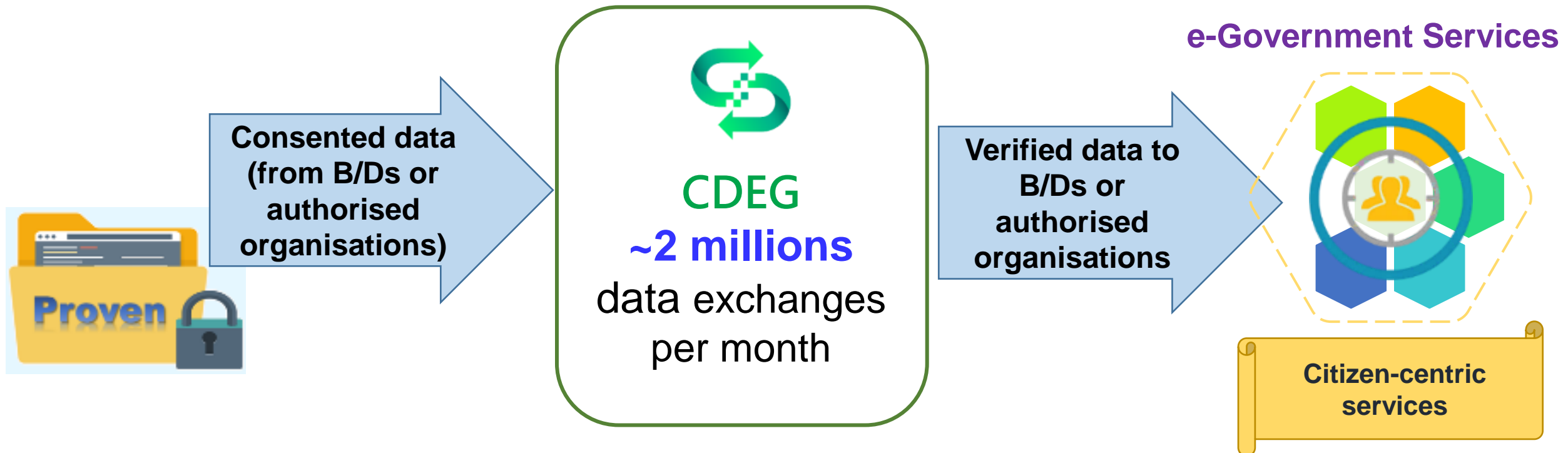
Nomination of Departmental Data Officer

Publication of departmental data catalogue

Data sharing via Consented Data Exchange Gateway

Streamline user experience in transacting online applications with the Government

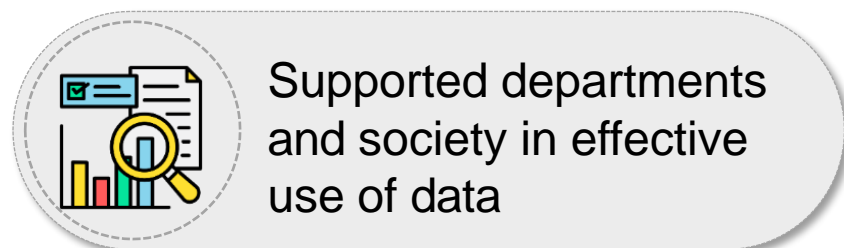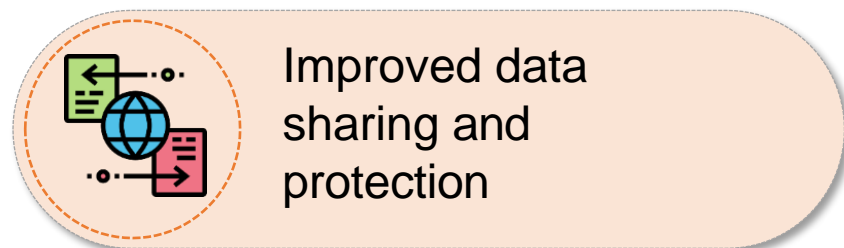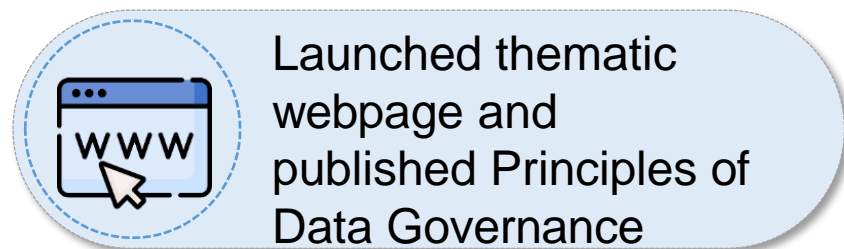Consented data (from B/Ds or authorised organisations) → CDEG ~2 millions data exchanges per month → Verified data to B/Ds or authorised organisations → e-Government Services
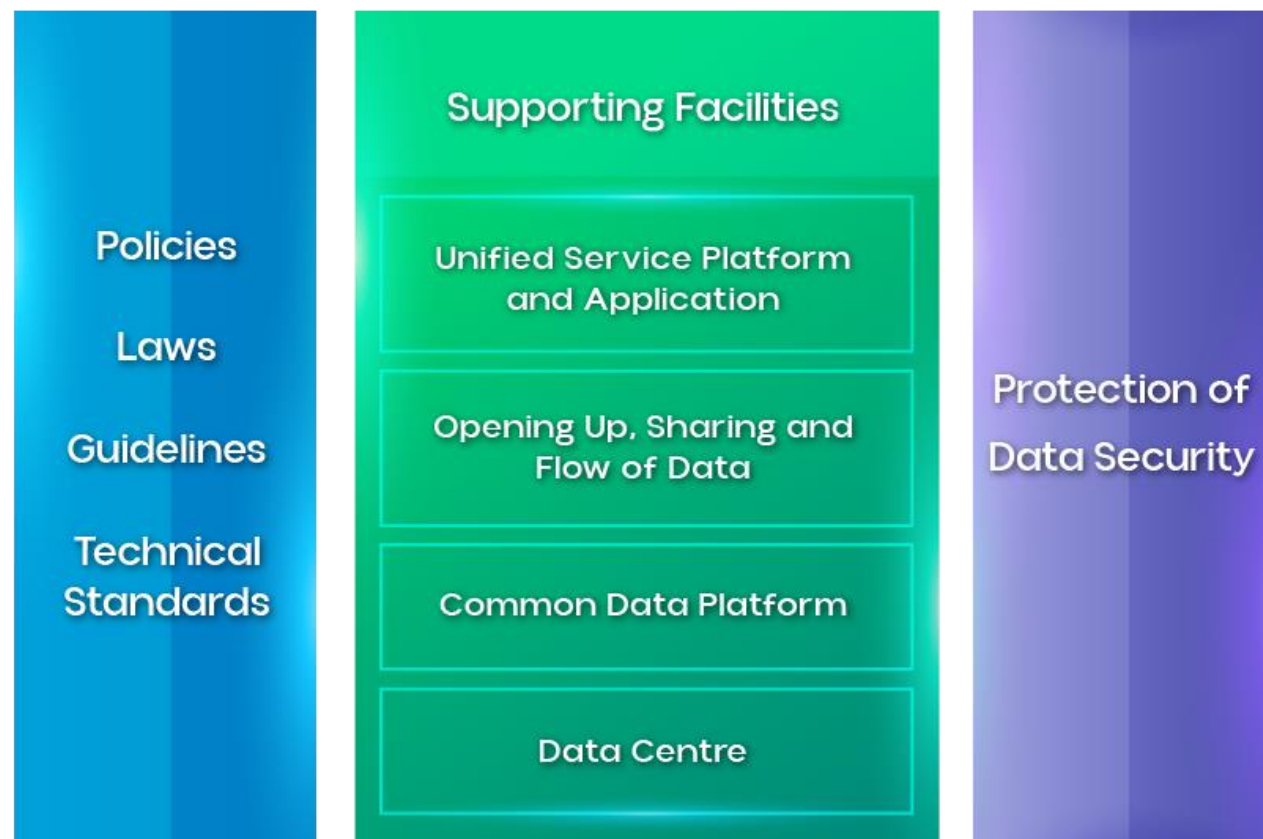
Citizen-centric services

- June 2023: Signed the **"Memorandum of Understanding on Facilitating Cross-boundary Data Flow Within the Guangdong-Hong Kong-Macao Greater Bay Area"**

- December 2023: Jointly announced the facilitation measure on the **"Standard Contract for Cross-boundary Flow of Personal Information Within the Guangdong-Hong Kong-Macao Greater Bay Area (Mainland, Hong Kong)"** ("GBA Standard Contract"), and launched early and pilot implementation

- November 2024 onwards: Extended the facilitation measure to all sectors in the GBA
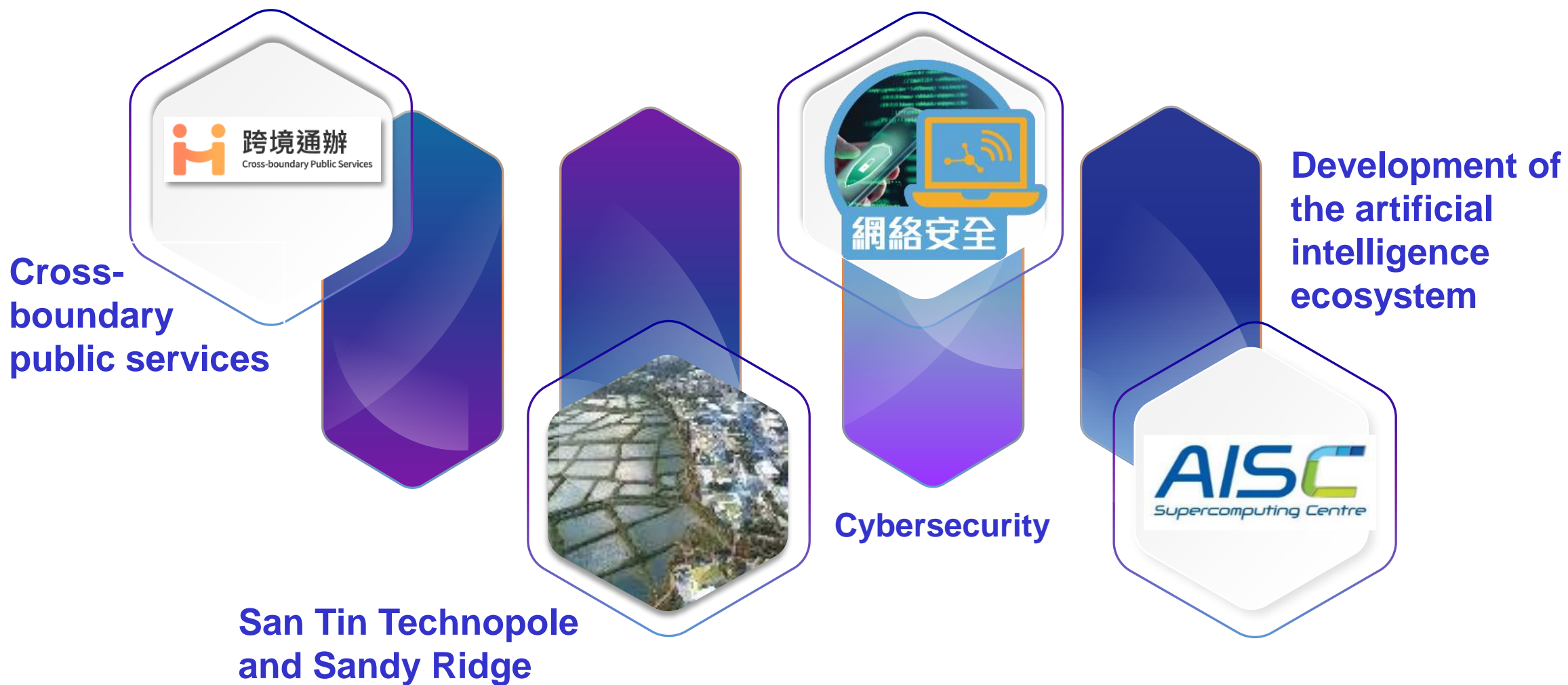
Launched thematic webpage and published Principles of Data Governance

Improved data sharing and protection

Supported departments and society in effective use of data

A comprehensive data governance framework tailored to Hong Kong's unique circumstances

Policies

Laws

Guidelines

Technical Standards

Supporting Facilities

Unified Service Platform and Application

Opening Up, Sharing and Flow of Data

Common Data Platform

Data Centre

Protection of Data Security

Promoting Digital Infrastructure and Industry Development

Cross-boundary public services

San Tin Technopole and Sandy Ridge

Cybersecurity

Development of the artificial intelligence ecosystem

Hong Kong and Guangdong Cross-boundary Public Services (CBPS) thematic websites

CBPS and iAM Smart self-service kiosks

Unified Identity Authentication Platform of Guangdong Province

Guangdong Government Service Network, "Yue Sheng Shi" and "iShenzhen"

Northern Metropolitan Area

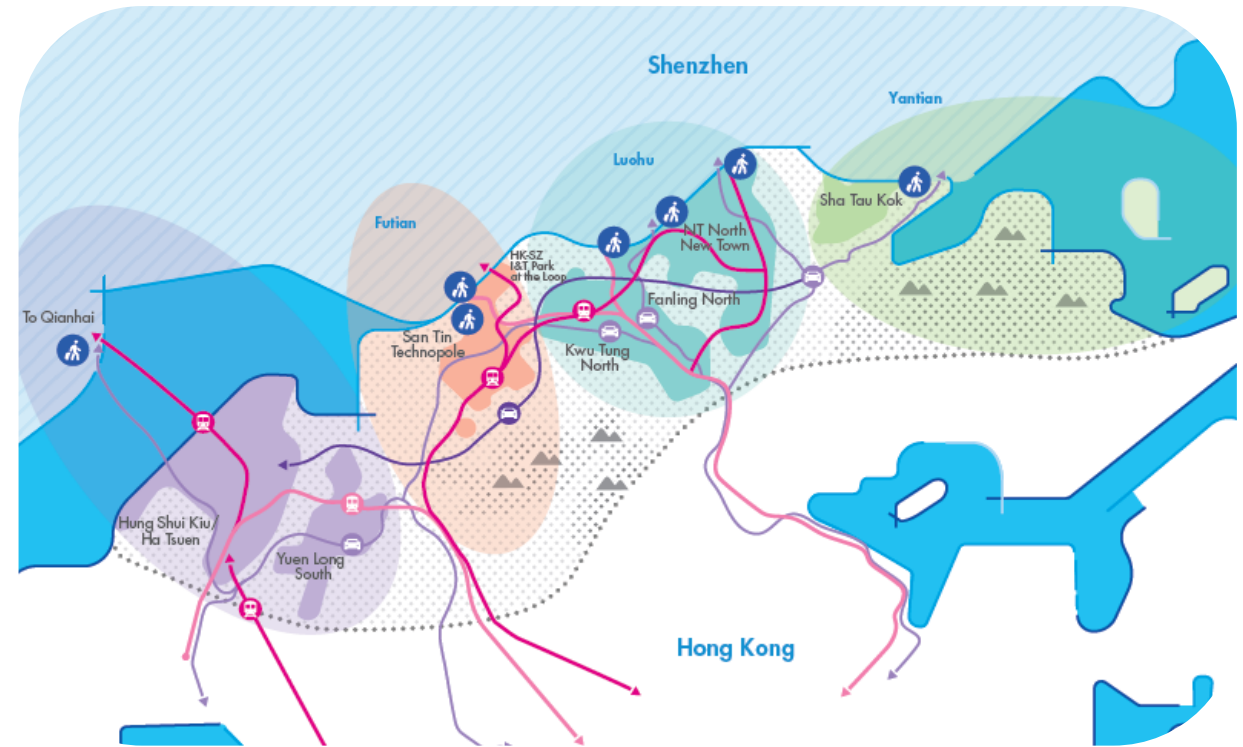**High-end Professional Services and Logistics Hub**
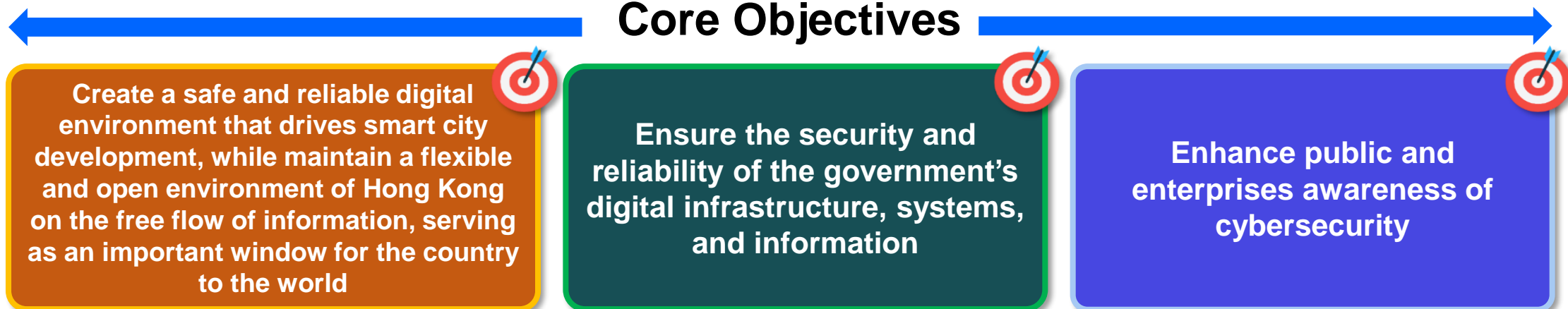
Boundary Commerce and Industry Zone

Innovation and Technology Zone

Blue and Green Recreation, Tourism and Conservation Circle

Core Objectives

Create a safe and reliable digital environment that drives smart city development, while maintain a flexible and open environment of Hong Kong on the free flow of information, serving as an important window for the country to the world

Ensure the security and reliability of the government's digital infrastructure, systems, and information

Enhance public and enterprises awareness of cybersecurity

Strategic Focus

| Laws and Regulations | Protection within the Government | Promotion and Community Support | National and International Collaboration | Talent Development |

AI Supercomputing Centre

AI Subsidy Scheme

HK$3 billion

- Local institutions
- Research and development centres
- Enterprises
- Government B/Ds

AIR@InnoHK

- Focusing on AI and robotics
- Research laboratories covering AI-driven big data analytics, AI chips, Fintech, robotics, etc.

Hong Kong Generative AI Research and Development Center (HKGAI)

Launched its **locally developed** "HKGAI V1" LLM in February 2025

港文通 **HKPilot**　港話通 **HKChat**　港會通 **HKMeeting**

Hong Kong AI Research and Development Institute (AIRDI)

$1 billion

- Set aside HK$1 billion for the establishment
- To spearhead and support Hong Kong's innovative R&D and industry application of AI
- Target to be established in 2026

Set up **AI Efficacy Enhancement Team** to co-ordinate and steer government departments

- Apply AI technology effectively to their work
- Explore process re-engineering
- Promote technological reform to improve efficacy

21

Smart Mobility Initiatives

Smart Transport Infrastructure

Data Sharing and Analytics

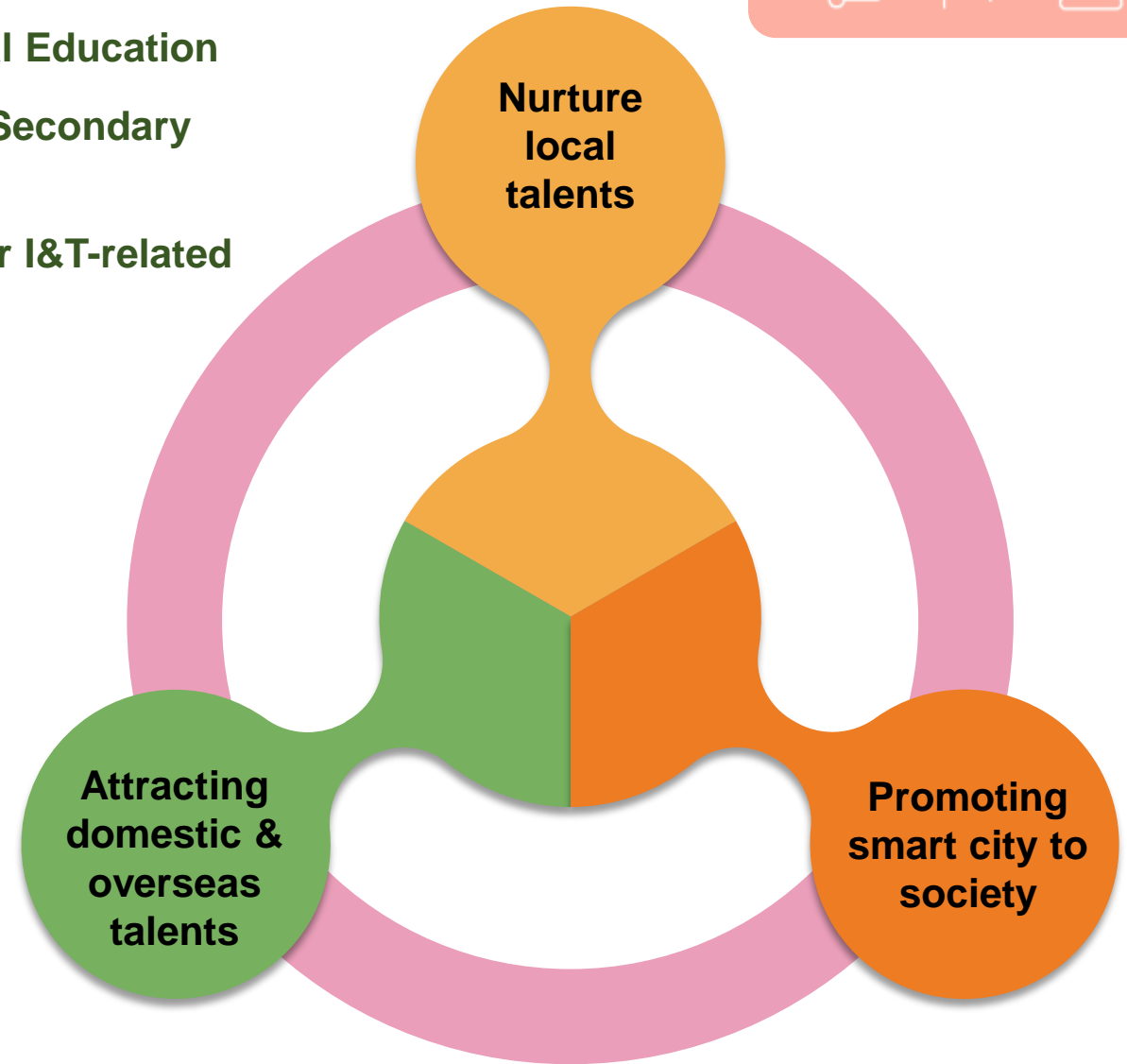**Technology Application and Services**

Promote I&T Research

- **Autonomous Vehicles**

- **Implementation of Free-Flow Tolling System**

- **Real-time Adaptive Traffic Signal System**

- **Parking Vacancy Information**

- **Installation of Information Display Panels at Sheltered Bus Stops or Covered Public Transport Interchanges**

- **Traffic Data Analytics System**

- **Traffic e-Enforcement System**

- **Electronic Driving Licence**

- **Automated Parking System**
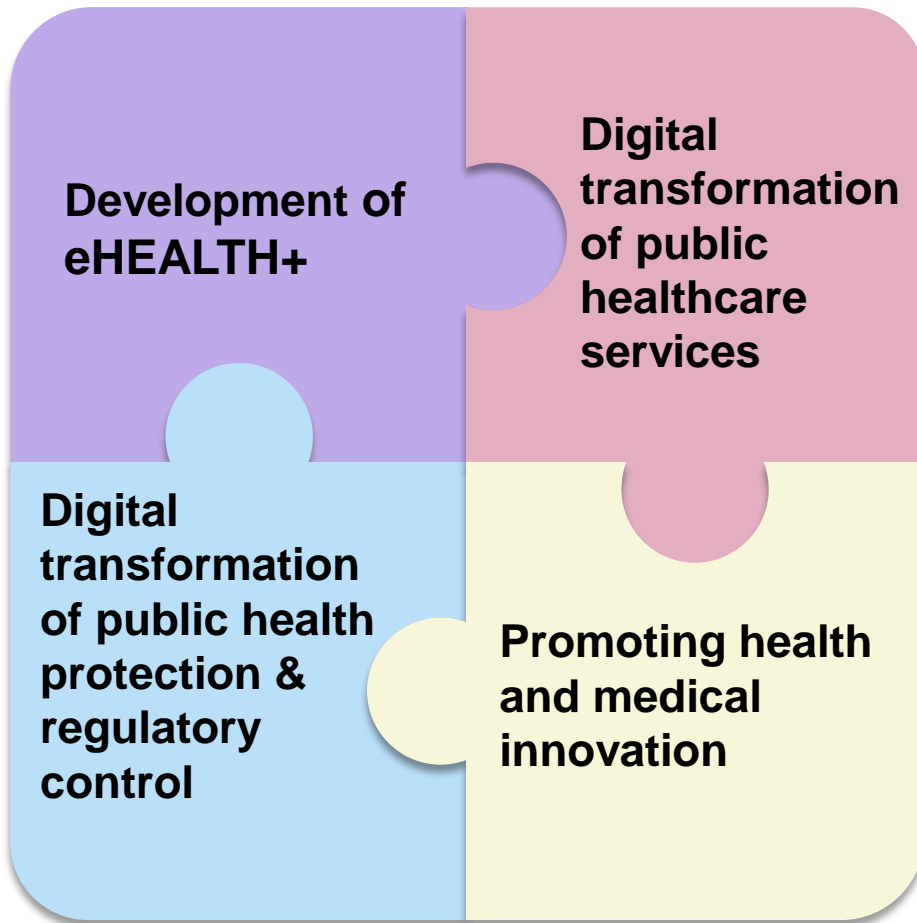
- **On-street Parking Meters**

Smart People Initiatives

- **Steering Committee on Strategic Development of Digital Education**

- **Further Promote I&T-related Education in Primary and Secondary Schools**

- **Encourage Universities and Tertiary Institutions to Offer I&T-related Courses**

- **Encourage University Students to Engage in I&T**
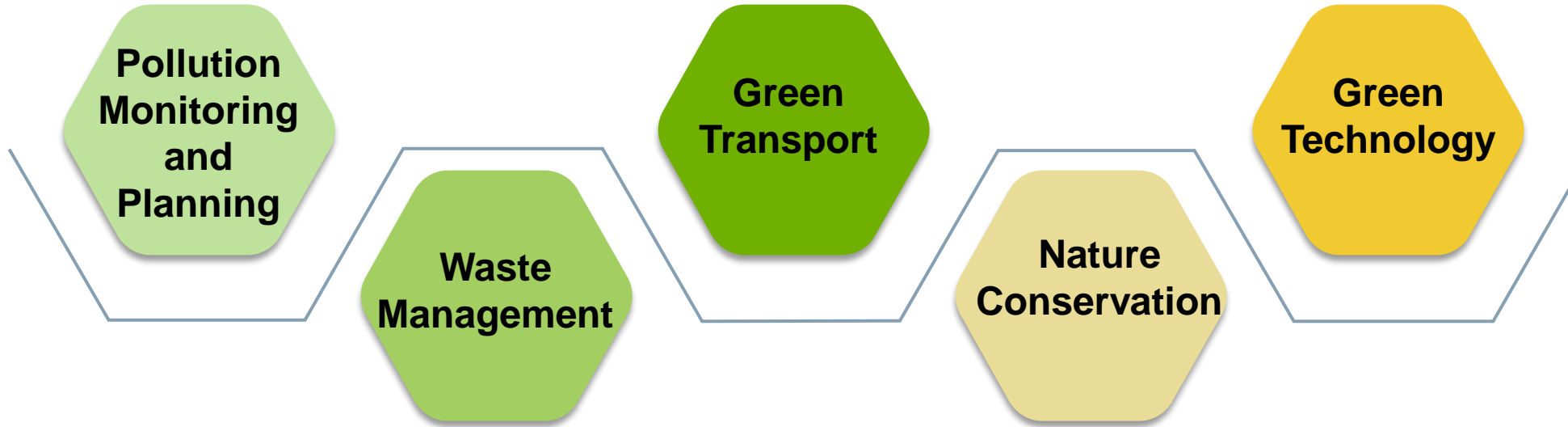
- **Skills Training and Upskilling**

Nurture local talents

Attracting domestic & overseas talents

Promoting smart city to society

Smart Health Initiatives

Development of eHEALTH+

Digital transformation of public healthcare services

Digital transformation of public health protection & regulatory control

Promoting health and medical innovation

- ✓ **Smart Hospitals**

- ✓ **Smart Health**

- ✓ **Public Health Regulatory Affairs**

- ✓ **Public Health Protection Efforts**

- ✓ **Health Services**

Smart Environment Initiatives

Pollution Monitoring and Planning

Waste Management

Green Transport

Nature Conservation

Green Technology

Green Transport

Liveable Environment

Comprehensive Emissions Reduction

Clean Energy

Scientific Management

Regional Collaboration

- **Smart Enforcement**
- **Monitor of Vessel Emissions**
- **Environmental Monitoring**
- **Smart Environmental Assessment and Planning**
- **E-licence application**
- **Smart Recycling Facilities**
- **GREEN$ Electronic Participation Incentive Scheme**
- **Combating Illegal Disposal of Construction Waste**

THANK YOU