I&T and Smart City Development in Hong Kong

Feb 2025

數字政策辦公室
Digital Policy Office

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

Key Initiatives related to I&T in 2024 Policy Address

- **Spearhead digitalisation of public services**

- **Foster artificial intelligence development**

- **Talent development**

- **Support digital transformation of SMEs**

- **Promote cross-boundary data flow**

- **New land supply for I&T use**

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

The Chief Executive's 2024 Policy Address

2024.10.16

Setup of Digital Policy Office

Digital Government

Data Governance

Digital Infrastructure

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

support the sustainable development of digital government, economy and society

development of digital government

Mission

improve the Government's efficiency and services

bring impact, convenience and benefits to the public and businesses

Spearhead digitalisation of public services

"iAM Smart" App driving "Single Portal for Online Government Services" 「一網通辦」

Launched features

iAM Smart Personal Code

Enhanced "e-Me"

NFC

> 3.2 million users

> 480 services

Upcoming new features

Digital personal document

Simplified registration process

New user interface

Personal assistant page

22°C

Mini-programme platform

Step-up authentication

"Single portal for online Government services"

*all pictures shown are for illustration purpose only

Digital Corporate Identity (CorpID)

Set up a "Digital Corporate Identity" platform

- Facilitate corporate identity authentication and corporate signature verification in a secure, convenient and efficient manner
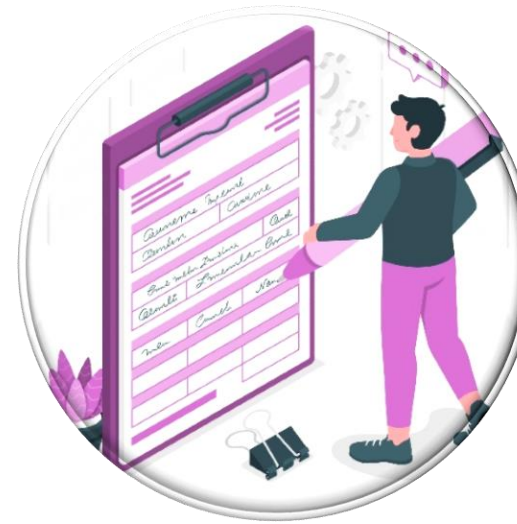
- Roll out progressively from end-2026

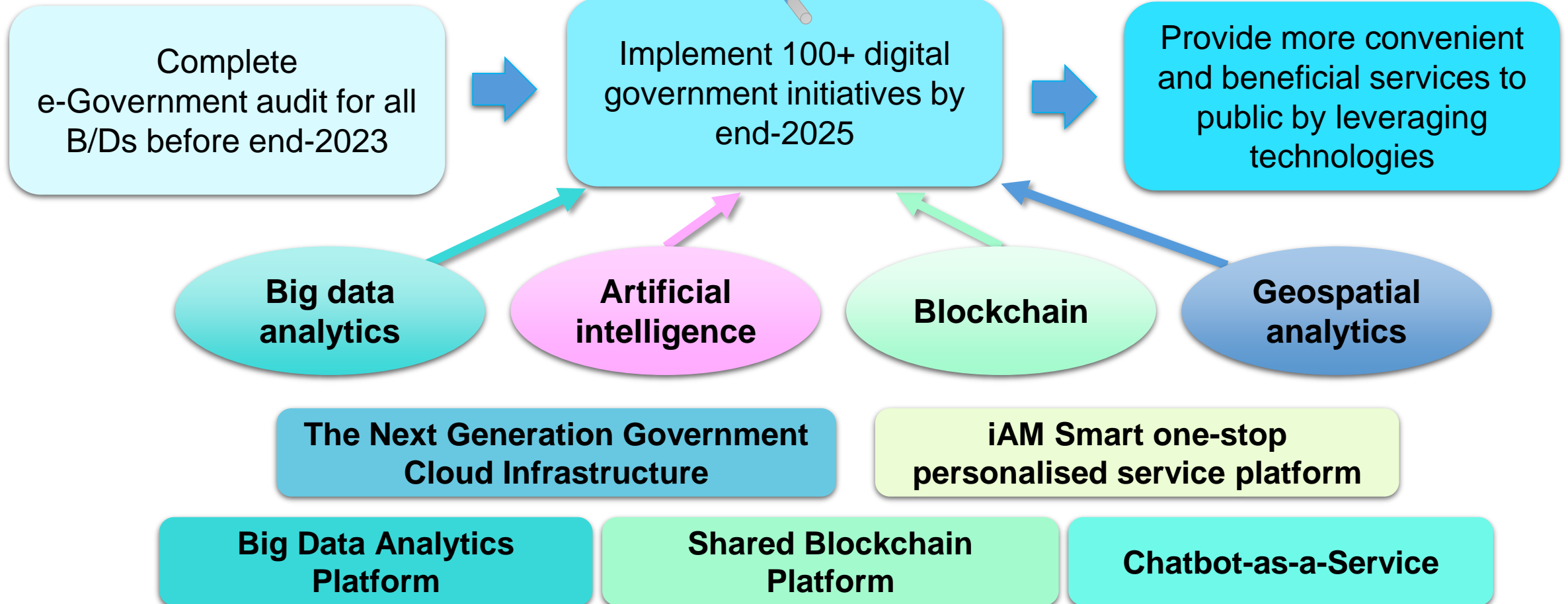| Corporate Identity Verification	Digital Signing	Form Pre-filling	Document Wallet

Promote and facilitate enterprises in their use of "Government-to-Business" and "Business-to-Business" digital services

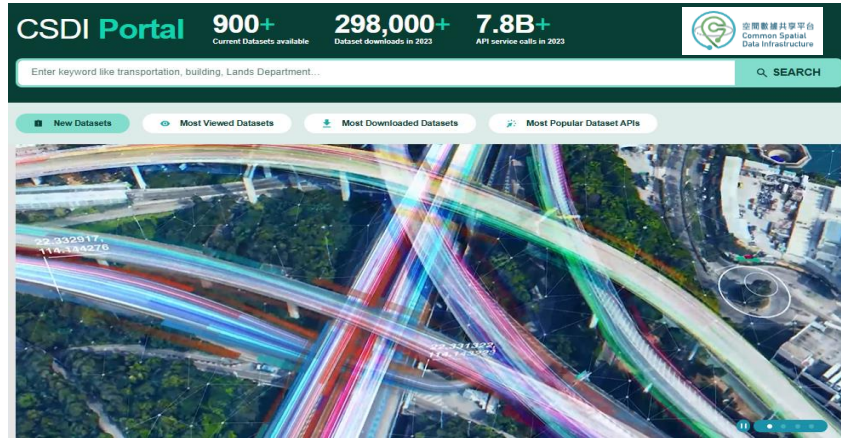**Spearhead digitalisation of public services**

e-Government Audit

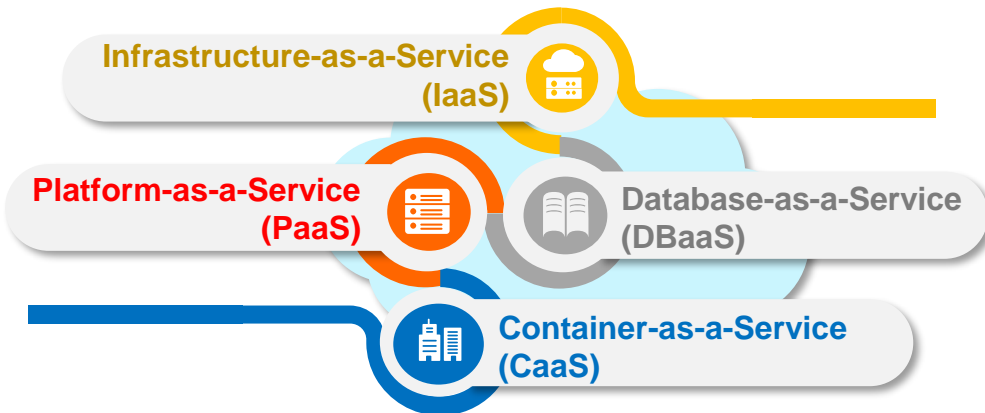Implement **100+ digital government initiatives** to promote digital government and smart city

Services @gov.hk EGA

Complete e-Government audit for all B/Ds before end-2023	Implement 100+ digital government initiatives by end-2025	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

Accelerate Development of Digital Infrastructure

Big Data Analytics Platform

Traffic Data Analytics System

Water flow and pressure analytics for Water Intelligence Network

BDAP

Image masking for privacy protection

Public toilet analytics for better maintenance

CSDI Portal

900+ Current Datasets available

298,000+ Dataset downloads in 2023

7.8B+ API service calls in 2023

空間數據共享平台
Common Spatial Data Infrastructure

Enter keyword like transportation, building, Lands Department…   SEARCH

New Datasets | Most Viewed Datasets | Most Downloaded Datasets | Most Popular Dataset APIs

Government Cloud Infrastructure Services (GCIS)

Infrastructure-as-a-Service (IaaS)

Platform-as-a-Service (PaaS)

Database-as-a-Service (DBaaS)

Container-as-a-Service (CaaS)

Shared Blockchain Platform (SBP)

Blockchain-as-a-Service

SBP

Smart Contracts

Interchain Services

HYPERLEDGER FABRIC | FISCO BCOS | Quorum

Open and Sharing of Data for Improving Public Services and Facilitating Innovation

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

API 55+ billion

data ~5 billion

Jan 2025
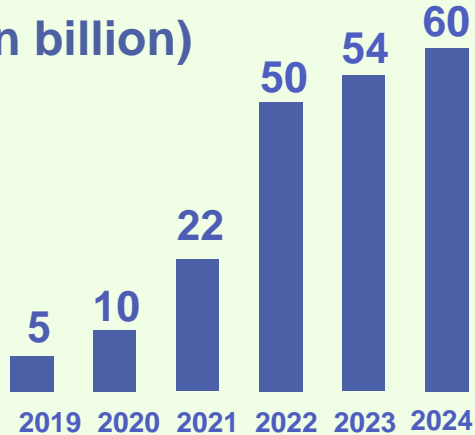
- **5 500+ datasets**
- **2 400+ APIs**
- **110+ data providers**

Popular dataset

- Real-time meteorological data
- Digital maps
- Real-time estimated arrival data of all public transport

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Open and Sharing of Data for Improving Public Services

New data sharing measures

| Nomination of Departmental Data Officer | Publication of departmental data catalogue | Data sharing via Consented Data Exchange Gateway |
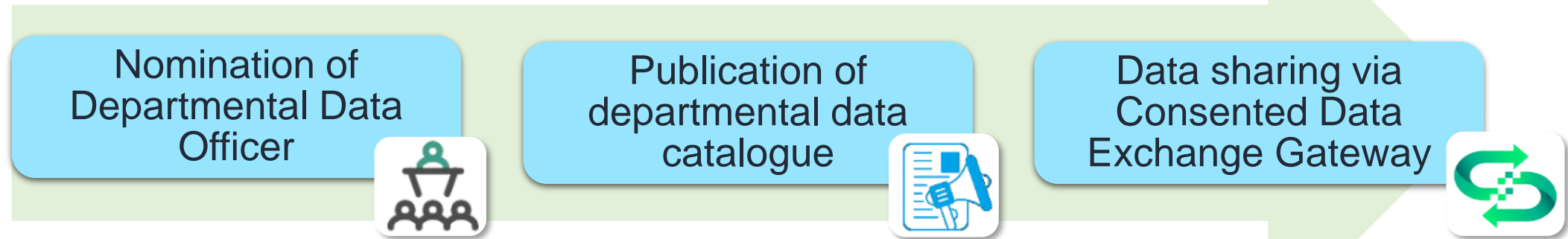
Streamline user experience in transacting online applications with the Government

CDEG

Proven

Citizen-centric services

Consented data (from B/Ds)

Application data (from user input)

e-Government Services
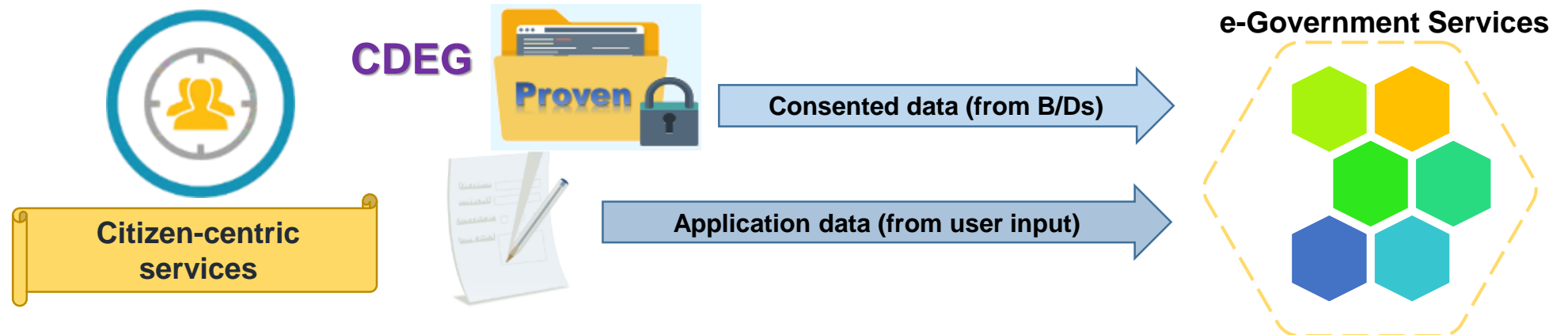
Facilitating Data Flow and Safeguarding Data Security
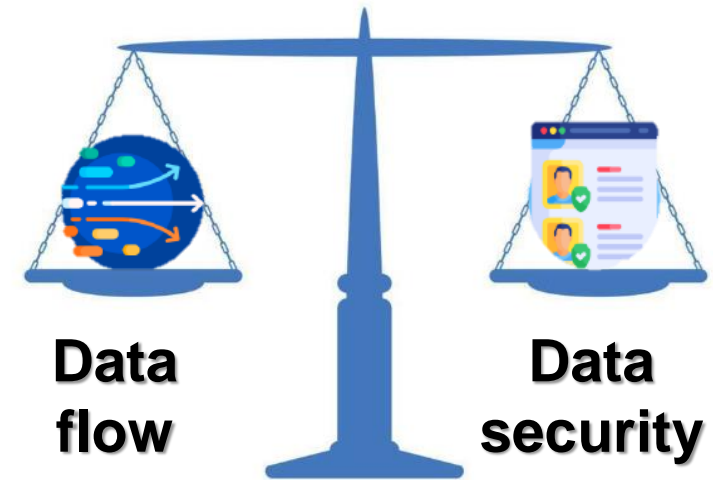
- Published by ITIB in Dec 2023
- Set out management principles and key strategies on data flow and data security
- Put forward 18 specific action items
- Promote development and safety of data follow in a more coordinated manner

Data Governance Thematic Webpage

Adopting a multi-pronged strategy, covering policies, laws and guidelines, and supporting facilities, etc., to establish a data governance system tailored for Hong Kong's unique circumstances

- Published by DPO in Dec 2024

- Set out policy stance regarding "Principles of Data Governance"

- Cover policies, laws, guidelines, supporting facilities and protection of data security

- Introduce the Government's data governance policies at a glance

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

Policies, laws, guidelines, technical standards

Supporting facilities

Protection of data security

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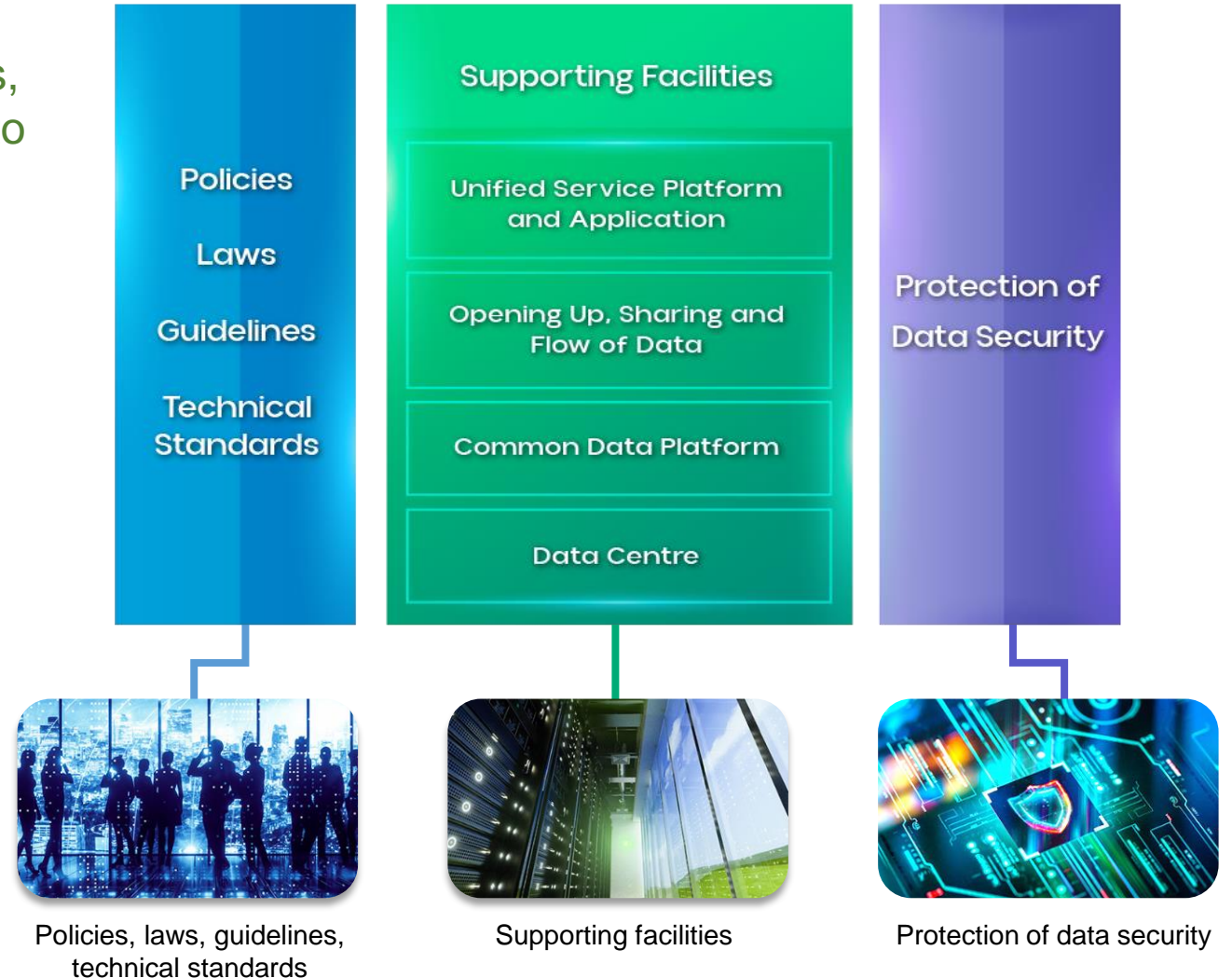
Promote the Development of AI Ecosystem

Launched AI Supercomputing Centre (AISC)

$3 billion
Artificial Intelligence Subsidy Scheme

Research Institutes

Government

Industry

Academia

InnoHK – AIR@IHK

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

Hong Kong Generative AI Research and Development Center (HKGAI)

香港生成式人工智能研發中心
Hong Kong Generative AI | Research & Development Center

Focusing on the research and development of generative AI technology and large language models (LLM)

HKGAI's own generative AI technology and LLM

Improve efficiency
- Translation
- Summarisation
- Drafting documents

Help Hong Kong master related AI technologies

Promote STEAM Education

Steering Committee on Strategic Development of Digital Education

- Establish the Steering Committee on Strategic Development of Digital Education

- Renew junior secondary Science curriculum

- Launch a pilot scheme to promote AI-assisted teaching in junior secondary Science subject

- Host an international summit and workshop series on use of AI

- Collaborate with I&T organisations and tertiary institutions to provide professional training to STEAM coordinators and teachers

- Strengthen professional development programmes and onsite support services for IT in education

Talent development

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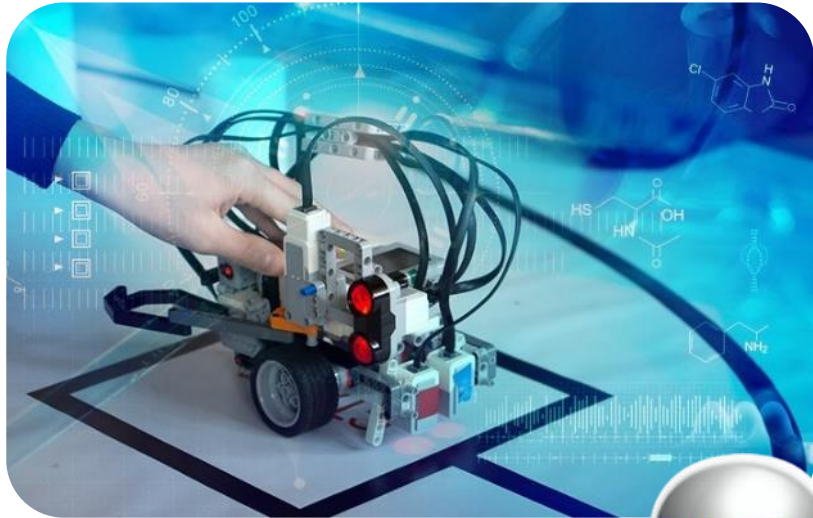
- **Provide short-term internship positions to undergraduates and post-graduates taking STEM-related programmes**
- **Foster students' early interest in pursuing a career in I&T after graduation**
- **Enriching Hong Kong's talent pool**
- **Expand the number of student interns from 3 000 in 2022 to 5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

Digital Transformation Support Pilot Programme

Food and beverage

Tourism

Retail

Personal service

Expediting the pace of digital transformation of SMEs

➢ $500 million for Cyberport to launch the Programme

➢ Funding support to SMEs on a 1:1 matching basis

➢ Adopting easy to use off-the-shelf digital solutions

➢ **Up to $50,000** for each eligible SME for acquiring digital solution packages

➢ Anticipated to benefit **8 000+ SMEs**

3 digital solution categories

Digital payment solutions and shopfront sales

Online promotion

Customer management solutions

Promote cross-boundary data flow

跨境通辦
Cross-boundary Public Services

Promoting "Cross-boundary Public Services"

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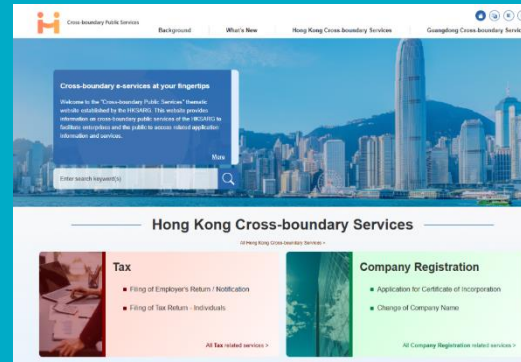
Cross boundary Public Services thematic website

Hong Kong Cross boundary Public Services Self service Kiosk

iAM Smart self registration kiosk

Over 150 frequently used cross boundary public services

智方便 iAM Smart

Connection

through iAM Smart direct log in to

"Unified Identity Authentication Platform of Guangdong Province"

Guangdong Provincial Administrative Service website (廣東省政務服務網)

"Yue Sheng Shi" (粵省事) mobile app

Facilitating Cross-boundary Data Flow within the Greater Bay Area

The "Standard Contract for Cross-Boundary Flow of Personal Information within the Guangdong-Hong Kong-Macao Greater Bay Area (Mainland, Hong Kong)" ("The GBA Standard Contract")

- On 29 Jun 2023, signed the "Memorandum of Understanding on Facilitating Cross-boundary Data Flow within the Guangdong-Hong Kong-Macao Greater Bay Area" in Beijing

- On 13 Dec 2023, jointly announced the GBA Standard Contract facilitation measure and pilot adoption (先行先試) in three sectors

- On 1 Nov 2024, announced all sectors in nine GBA mainland cities and Hong Kong can adopt the GBA Standard Contract to conduct cross-boundary flow of personal data within GBA

Take Forward the Northern Metropolis as Growth Engine

Northern Metropolis - Sandy Ridge for data centres and related usage
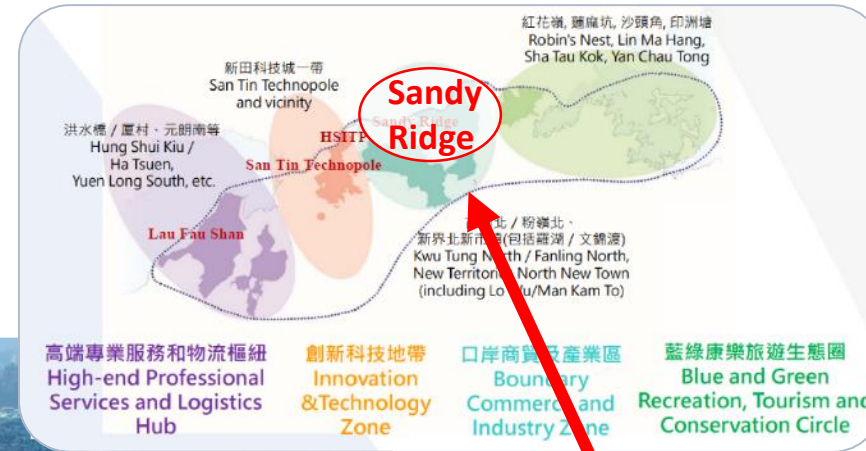
change the use of a site at Sandy Ridge for I&T and related purposes

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Other Major I&T related Initiatives in 2024 Policy Address

- **Promote "new industrialisation"**

- **Promote development of the Hong Kong Park and Shenzhen Park in the loop**

- **Promote R&D**

Thank you