



Digital Policy Office
數字政策辦公室

Roundtable: The Development of Regulation and Professional Guidance on Medical AI in Hong Kong



Hong Kong's Overarching AI Policy and Governance



18 September 2026

Opportunities and Challenges of Medical AI



Market Opportunities

Global AI Healthcare Market

Projected market growth

USD 51.20B → **USD 744.34B**
2026 2035



Global observations

Administrative use

Usage is growing, but mainly in **knowledge-support** and **administrative tasks**

Less clinician confidence

Clinicians are **cautious** when AI is applied to supporting clinical judgement.

Deployment without adequate training

Deployment can outpace clinicians' **readiness** and **capability** to use AI safely.

Transparency

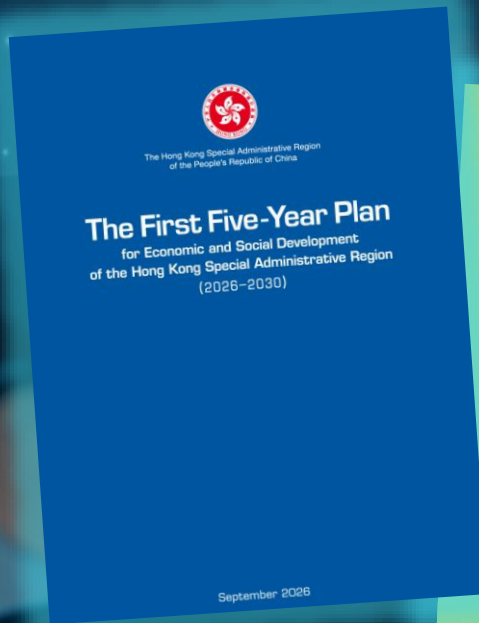
Transparency in healthcare AI is critical for building and maintaining **patient trust**

Policy Address 2026 The First Five-Year Plan (2026-2030)

AI+ Finance+



2026



Proactively Aligning with the National 15th Five-Year Plan



Deepening AI application and development

- | | | |
|----------------|------------------|-----------------|
| ■ Finance | ■ Construction | ■ Tourism |
| ■ Healthcare | ■ Transport | ■ Broadcasting |
| ■ Legal sector | ■ Social welfare | ■ SME Upgrading |



Promoting **industry upgrades** and enhancing **public convenience**

Challenges - 7 areas of action in AI risk-governance strategy:

- | | |
|--|---------------------------------------|
| ① Combat Criminal Use | ⑤ Examine Legal Liability |
| ② Enhance protection of Minors | ⑥ AI Agent Guidelines |
| ③ Promote Ethical Risk Assessment | ⑦ Examine Impact on Employment |
| ④ Cross-Industry Safe Adoption | |



Create the post of **Commissioner for AI**

Top-level Steer

Inter-Departmental Working Group to Review Legislation to Support Wider Application of AI



Led by DoJ aimed to modernize the legal framework to establish a facilitative yet properly controlled legal environment for AI development in HK

Committee on AI+ and Industry Development Strategy



Led by Financial Secretary
Formulate strategic directions and promote the “AI+” initiative across various sectors in HK

AI Efficacy Enhancement Team



Led by the Deputy Chief Secretary for Administration to co-ordinate, steer, and accelerate AI adoption and process re-engineering across government departments

Driving AI+ Development in HK

“AI for All” Inclusive Programme

Digital Infrastructure

AI Governance

**Research &
Development**

Empowering Public Services



Digital Infrastructure

- ▶ AI Supercomputing Centre (3,000 PFLOPS)

AISC
Supercomputing Centre

- ▶ AI Subsidy Scheme

HK\$3 billion



Local
Institutions



R&D Centres



Enterprises



Government
B/Ds

- ▶ Sandy Ridge Data Facility Cluster (250 000 sq.m. GFA) to provide 180,000 PFLOPS by 2032



Research and Development

► Hong Kong Artificial Intelligence Research and Development Institute (AIRDI)

► InnoHK Research Cluster

► Hong Kong Generative AI Research and Development Center (HKGAI)

香港人工智能
研發院 **AIRDI**

Hong Kong Artificial Intelligence Research and Development Institute

Commence operation in
the second half of **2026**

5 Major Functions



Advancing Frontier
Research



Empowering Key
Industries



Providing Policy
Recommendations



Facilitating
International
Exchange



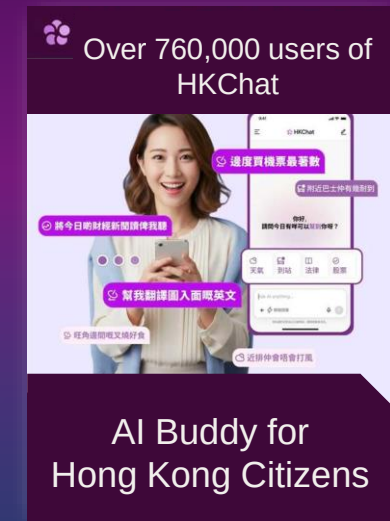
Enhancing Public
Awareness and AI
Literacy



- Funded **16 laboratories** specialising in AI and robotics
- Applied to healthcare, logistics, smart manufacturing and construction



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



Over 760,000 users of
HKChat

AI Buddy for
Hong Kong Citizens

HKGAI-V3
Launched in June

★ CLASSIFIED

港話通
HKChat
(政府私有雲)

港文通
HKPilot
(政府私有雲)

港會通
HKMeeting
(政府私有雲)

Empower Public Services through AI

► Departmental AI Applications



Prioritisation of
Departments'
Replies



Email
Extraction



Call
Assistant



Dashboard



AI in Licensing Services
and Traffic Management



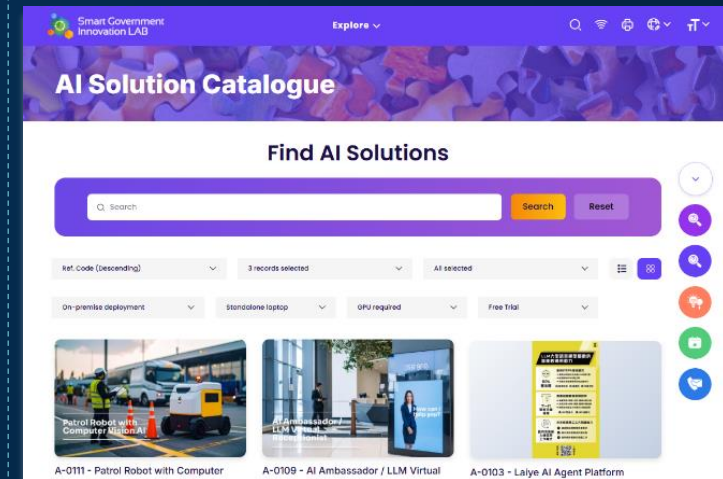
AI-based Chiller Plant
Optimisation System



AI Job Matching for Job
Seekers and Employers



► AI Toolbox



Launching New “iAM Smart” AI Assistant

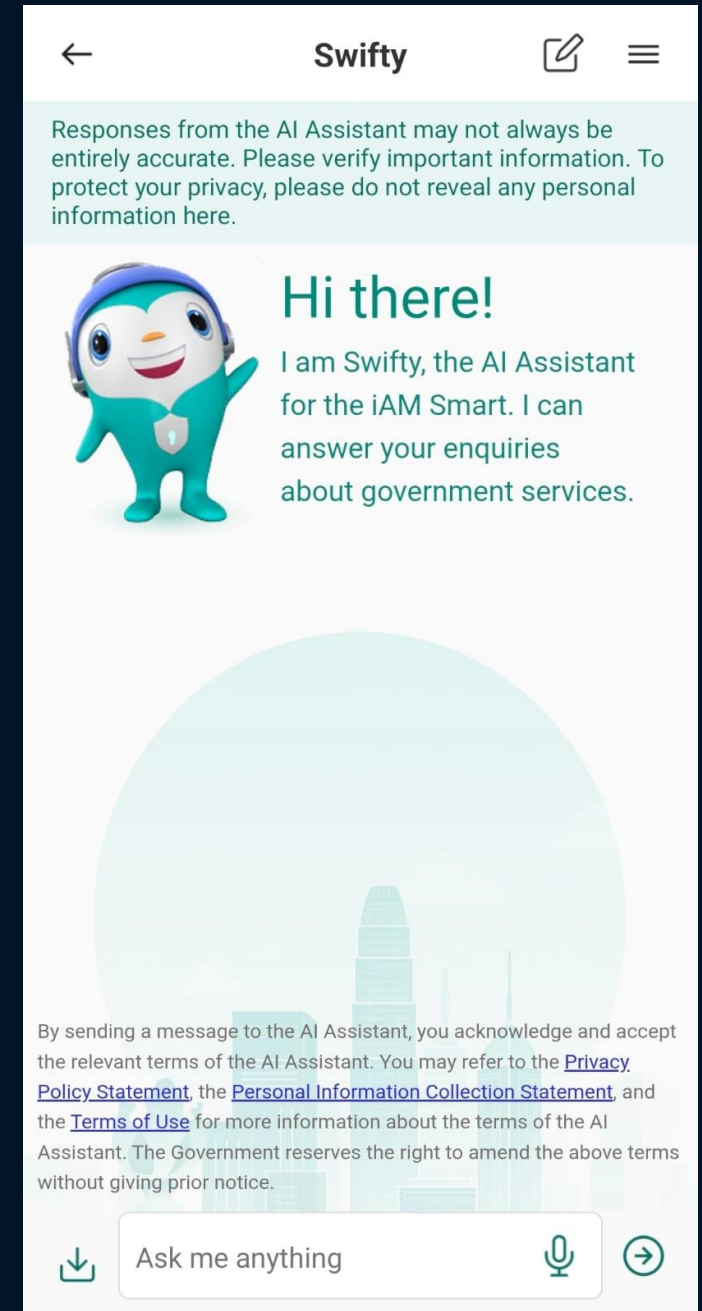
**HK E-Governance
Project of the Year -
Smart Government
award at Asia Pacific
GovMedia Awards 2026**



AI Assistant
to launch by end 2026



-  **Answer major government-related inquiries**
-  **Provide public service assistance and guidance on various application procedures**
-  **Delivers real-time information sourced from official channels.**



AI Agents



AI generated

■ CONTROLLED NEXT STEP

AGENTIC WORKSPACE PILOT

TRIAL SCHEDULE

Q4 2026

01 Human judgement retained

Supports internal operations; does not replace human judgement.

02 Progressive, defined scope

Introduced gradually with clear boundaries and no direct citizen services.

03 Safety before scale

Comprehensive safety assessment and testing before wider adoption.

PILOT · EVALUATE · LEARN · SCALE

3. Agentic AI

Handling complex tasks
Highly scalable

4 Characteristics

Understand
Goals

Plan
Autonomously

Invoke Tools

Adjust &
Optimise



2. AI Workflow

Standardised
processes

- repeatable automation
- improved efficiency
- pre-design required



1. Traditional Chatbot

Qs →  → Ans



AI generated



AI Governance

“The development of AI must be steered by safety and driven by application”

Encourage innovative applications of AI technology

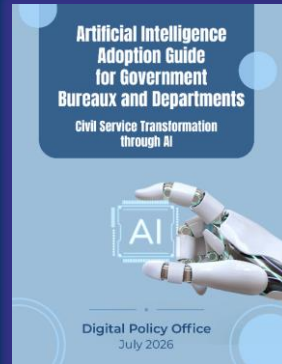
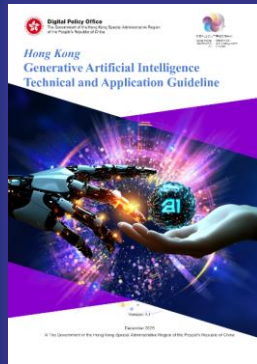
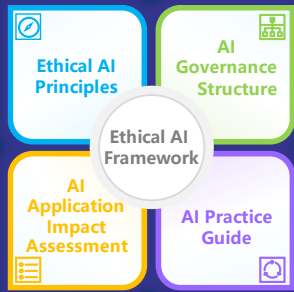
Mitigate risks associated with AI development and deployment

Promote the widespread adoption and advancement of AI in Hong Kong

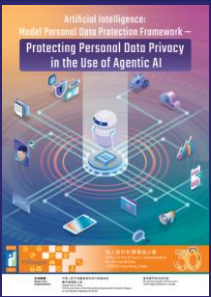
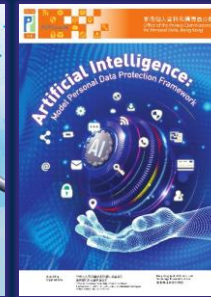
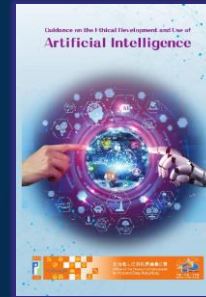


Sector-specific Approach

► DPO



► PCPD



Healthcare

DH

- Software Medical Devices and Cybersecurity (TR-007)
- Artificial Intelligence Medical Devices (AI-MD) (TR-008)

Financial

FTSB: Policy Statement on Responsible Application of AI in the Financial Market

HKMA

- High-level Principles on AI
- Consumer Protection in respect of Use of Generative AI
- Use of AI for Monitoring of Suspicious Activities

SFC

- Use of generative AI language models
- Enhanced cybersecurity measures to address evolving risks arising from artificial intelligence-enabled cyberattacks

Education

EDB

- Blueprint for Digital Education Development in Primary and Secondary Schools





Hong Kong Generative Artificial Intelligence Technical and Application Guideline

4-tiered Risk Classification System



Twelve Ethical AI Principles

Performance Principles

1



Transparency and Explainability

2



Reliability, Robustness and Security

General Principles

1



Fairness

2



Diversity and Inclusion

3



Human Oversight

4



Lawfulness and Compliance

5



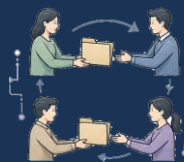
Data Privacy

6



Safety

7



Accountability

8



Beneficial AI

9



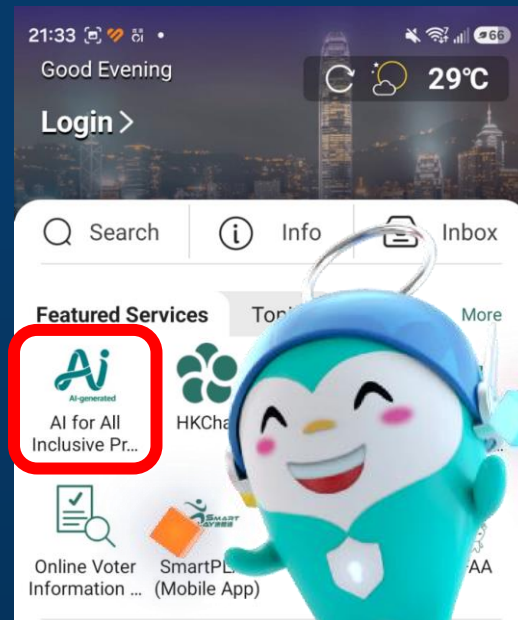
Cooperation and Openness

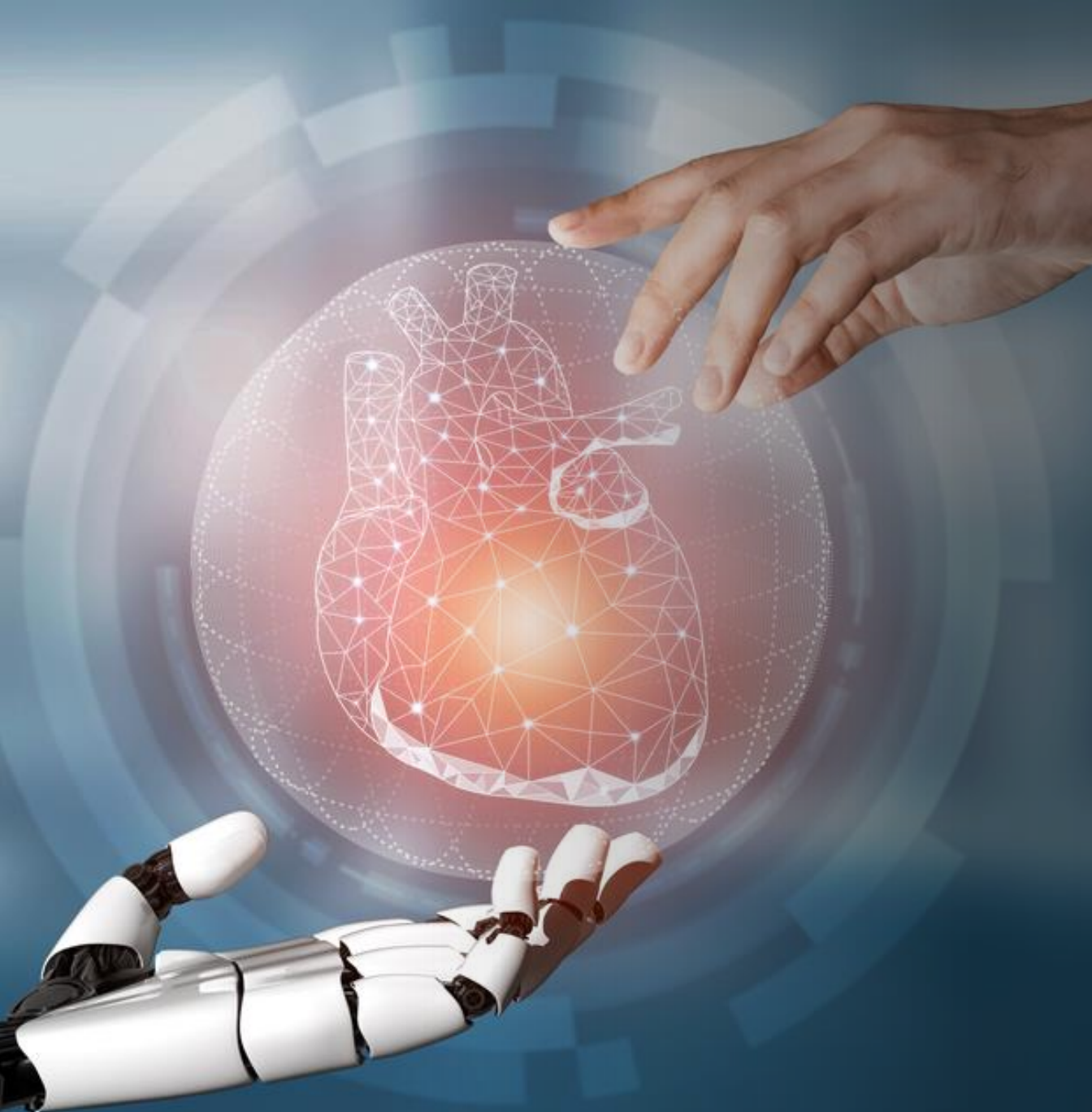
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Sustainability and Just Transition



AI for All Inclusive Programme - Including You!





Way Forward



To achieve technology for good and ensure safety and control

Select pilot departments requiring bidders to submit AI safety and ethics compliance declarations

Promote the safe and orderly application of AI across industries

Promulgate AI Agent safety-management guidelines next year

HEALTH CARE

Thank you