Smart Infrastructure Conference 2021

Smart City Blueprint for Hong Kong 2.0

13 May 2021

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

Vision and Mission

Enhance I&T to build a world-famed Smart Hong Kong characterised by a strong economy and high quality of living

To enhance people's quality of life and city development

To enable businesses to capitalise on Hong Kong's business-friendly environment to foster innovation

To provide better care for the elderly and youth and make Hong Kong more digitally enabled and technology savvy

To make Hong Kong more environmentally friendly, whilst maintaining its vibrancy, efficiency and liveability

Smart City Blueprint for Hong Kong

76

initiatives

6

smart areas

40+

completed or under completion in phases

Smart City Blueprint for Hong Kong

All-in-one HKeMobility mobile app

4 500+
open datasets

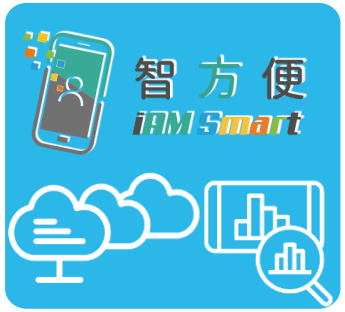
40 000+
free public Wi-Fi hotspots

Pro-innovation procurement

Smart Government Innovation Lab

7.9M+ **registrations**

$2 800B+ transactions



“iAM Smart” Platform

GovCloud and Big Data Analytics Platform

Progress after release of Blueprint

- **Continue to actively take forward and implement smart city initiatives**

- **Organise and participate in focus discussion groups and industry engagement meetings in the course of formulating Blueprint 2.0**

- **Take into account more opinions for enhancing smart city initiatives and strategies**

Summary of Blueprint 2.0

130+ initiatives

6 smart areas

+ new chapter on "Use of I&T in Combating COVID-19"

60+ new initiatives

	Initiatives under Blueprint	Initiatives under Blueprint 2.0
Smart Mobility	23	31
Smart Living	8	15
Smart Environment	10	18
Smart People	10	12
Smart Government	12	31
Smart Economy	13	20
Use of I&T in Combating COVID-19	-	13
Total	76	140

New initiatives under Blueprint 2.0

SMART MOBILITY

- Traffic Data Analytics System
- Set up the Smart Traffic Fund

SMART LIVING

- "iAM Smart" to streamline TD's licensing services
- Telehealth, video-conferencing and remote consultation

New initiatives under Blueprint 2.0

SMART ENVIRONMENT

- Apply technologies in public toilets
- Improve pest control using IoT technology etc.

SMART PEOPLE

- IT Innovation Lab in Schools
- STEM Internship Scheme

New initiatives under Blueprint 2.0

SMART GOVERNMENT

- Electronic Submission Hub for processing building plans
- ‘Be the Smart Regulator’ and ‘Streamlining of Government Services’ Programmes

SMART ECONOMY

- Online dispute resolution and deal-making services
- eMPF Platform

New chapters under Blueprint 2.0

USE OF I&T IN COMBATING COVID-19

居安抗疫
Stay Home Safe

- “StayHomeSafe” home quarantine system
- “LeaveHomeSafe” exposure notification and mobile app

SMART VILLAGE PILOTS

“LeaveHomeSafe” Mobile App

安心出行 LeaveHomeSafe 同心抗疫 Together, We Fight the Virus!

Objectives

- ✓ **Provide a digital tool for the public to keep a precise record of their whereabouts**
- ✓ **Notify users of possible risk of contact with people infected with COVID-19 and provide health advice**
- ✓ **If users are unfortunately infected, their whereabouts help Centre of Health Protection in epidemiological investigations**

Protecting Personal Privacy

安心出行 LeaveHomeSafe 同心抗疫 Together, We Fight the Virus!

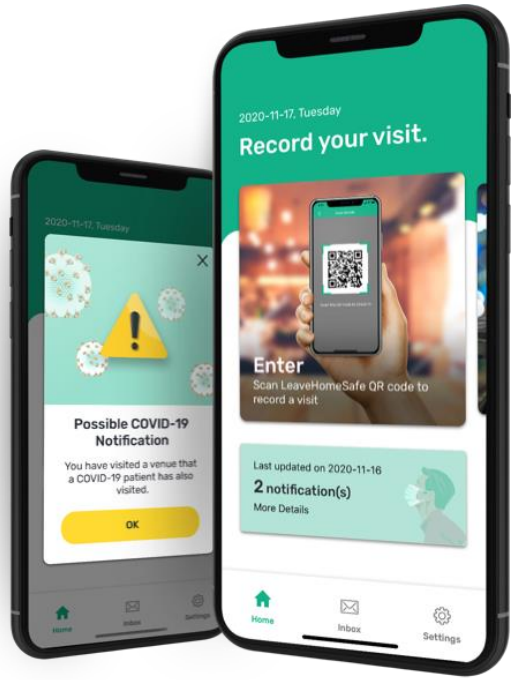
Privacy By Design

- ✓ Users' visit records kept by THEMSELVES in their mobile device LOCALLY
- ✓ NO user registration (registration of personal profile NOT required)
- ✓ NO GPS tracking

- ✓ NO access of users' whereabouts by central system
- ✓ Visit records are encrypted on mobile phone and erased automatically after 31 days
- ✓ Download the list of venues with confirmed cases to conduct matching and provide alerts LOCALLY

“LeaveHomeSafe” Mobile App

安心出行 LeaveHomeSafe 同心抗疫 Together, We Fight the Virus!



www.leavehomesafe.gov.hk

- **Launched on 16 November 2020**
- **Current Status**
  - No. of downloads: 4.1 million+
  - Venues participated: 86 000+

    (Public: 20 000, Private: 66 000+)
  - Usable in Taxis: 18 000+
  - No. of confirmed patients using the app : 280+
  - No. of venues broadcast for matching : 5 100+

    (including visit records of app users and non-app users)
  - No. of users receiving free testing : 28 000+ (since end Feb)

智方便
iAM Smart

Functions

01 Authentication

02 Form filling

03 Personalised Notification

04 Digital Signing

Launched in December 2020

50+ Online Services

By mid-2021

110 Online Services

智方便 iAM Smart

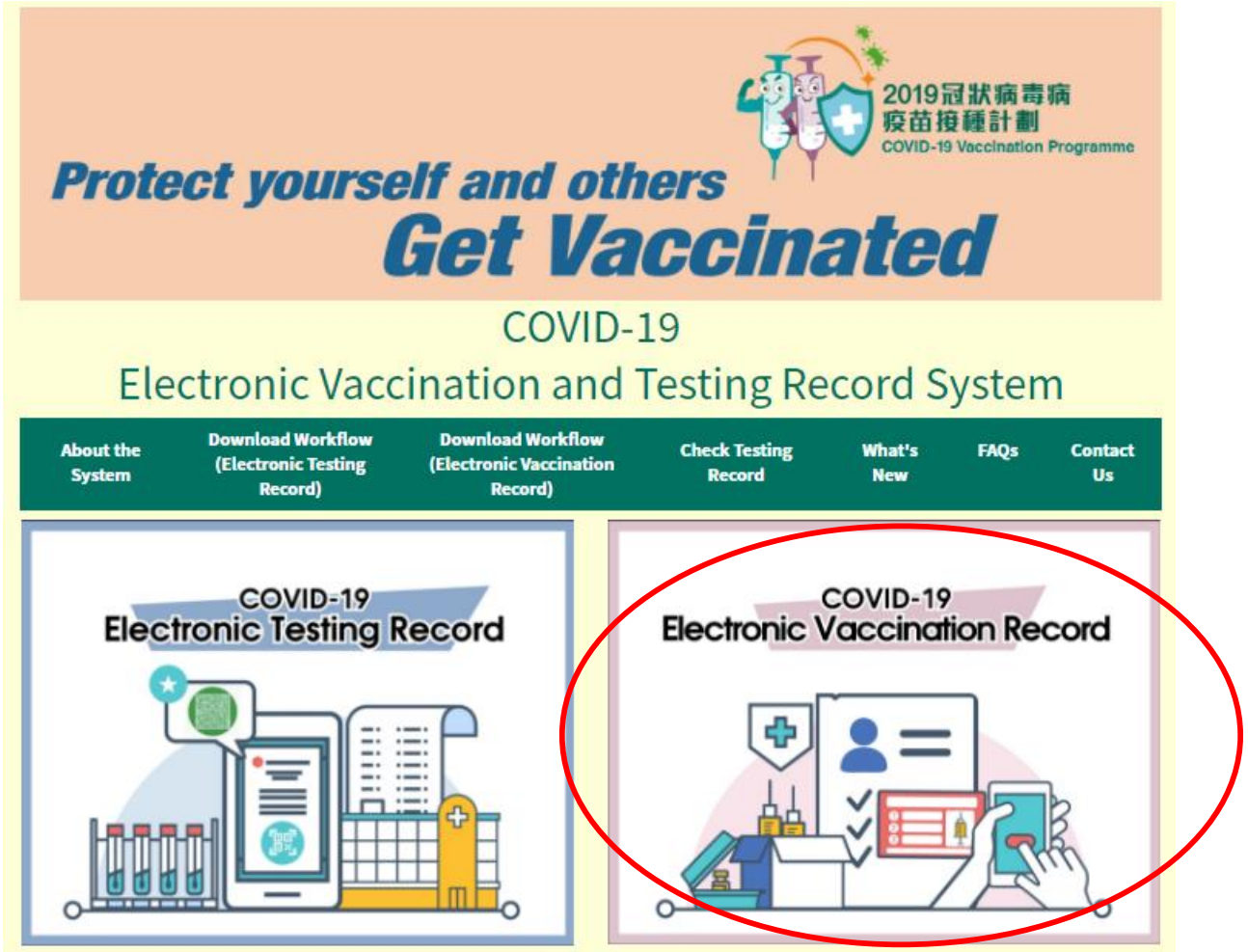
Adoption of “iAM Smart” in Commercial Organisations

數碼港 Cyberport

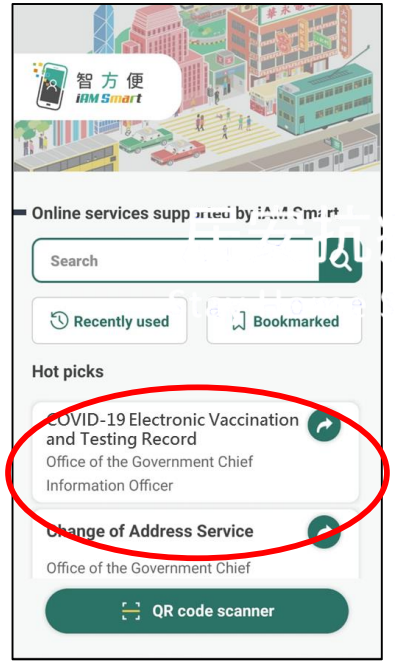
In collaboration with Cyberport, introduced an **“iAM Smart” Pilot Sandbox Programme** in March 2020 to enable commercial organisations to conduct simulated tests on API functions

About **250** organisations registered to participate in the Sandbox Pilot Programme

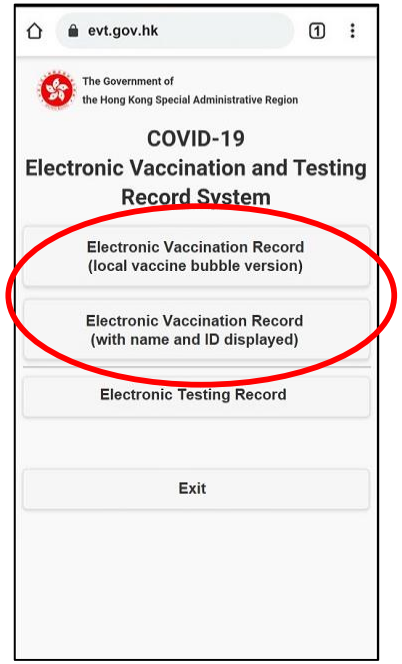
COVID-19 Electronic Vaccination and Testing Record System



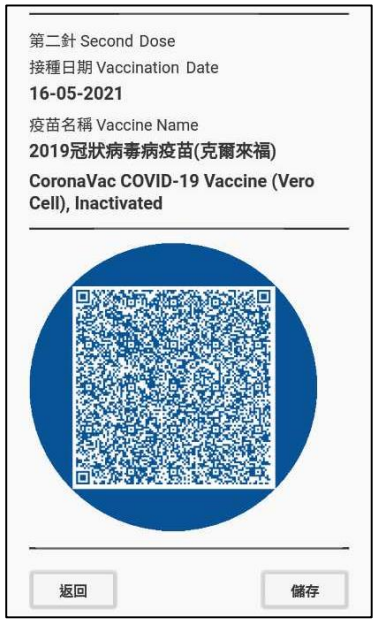
Download Electronic Vaccination Record through iAM Smart



Login "iAM Smart" in mobile device, choose "COVID-19 Electronic Vaccination and Testing Record" service



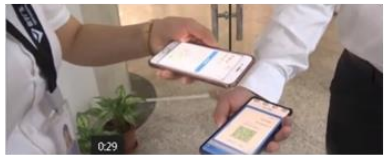
Applicant can follow instructions to download "Electronic Vaccination Record"



The applicant's Electronic Vaccination Record will be displayed if relevant record exists

Health Code Cross Recognition

Cross boundary cooperation through technology innovation



Cross Boundary Collaboration	Large User Population
Technical & Data Standards	Security & Privacy

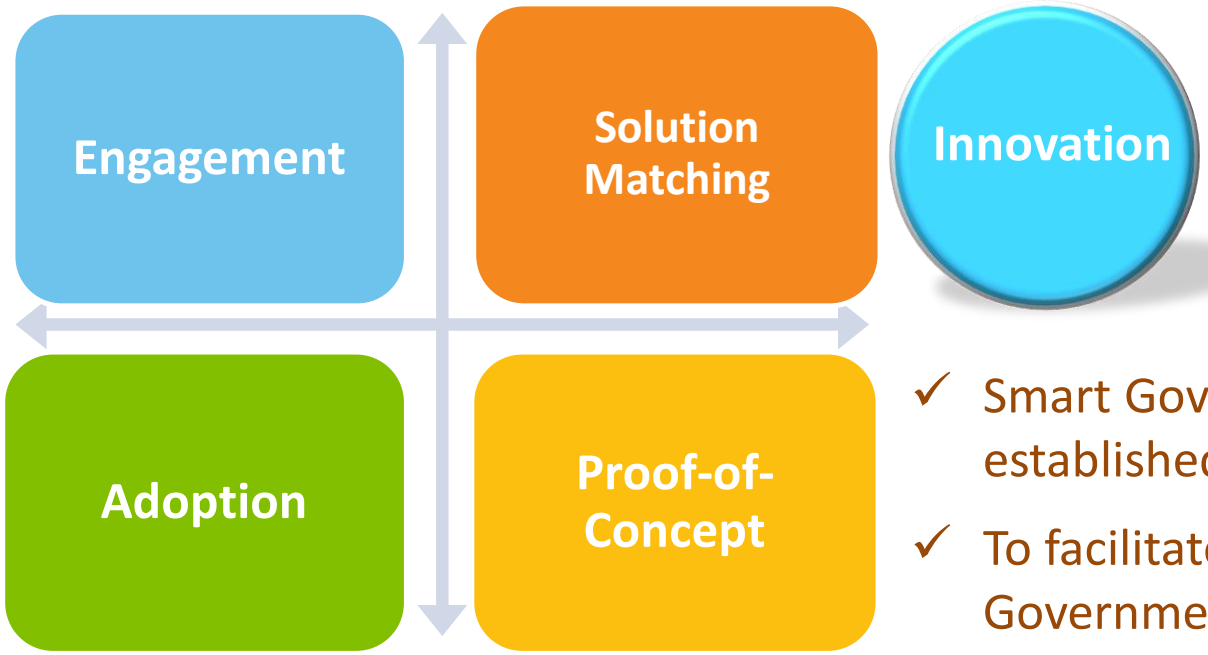
Smart Village Pilots

Potential Applications for Pilot

- Public Wi-Fi Services at Rural/Village Offices
- Detection of Illegal Dumping
- Detection of Flooding
- Detection of Wild Animals
- Telehealth Services for the Elderlies
- Smart Traffic System
- Detection of Hill Fire in Country Parks

Pro-innovation Government Procurement Policy

Innovation Facilitator



Innovation as an Assessment Criteria in Government Tenders

- ✓ Smart Government Innovation Lab established in April 2019
- ✓ To facilitate the development of Smart Government by adopting innovative technology to enhance public services

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

Technology Forum

Themed on various Smart City areas

9 forums

3000+ participants

Thematic Website

(www.smartlab.gov.hk)

90+ Business needs from departments

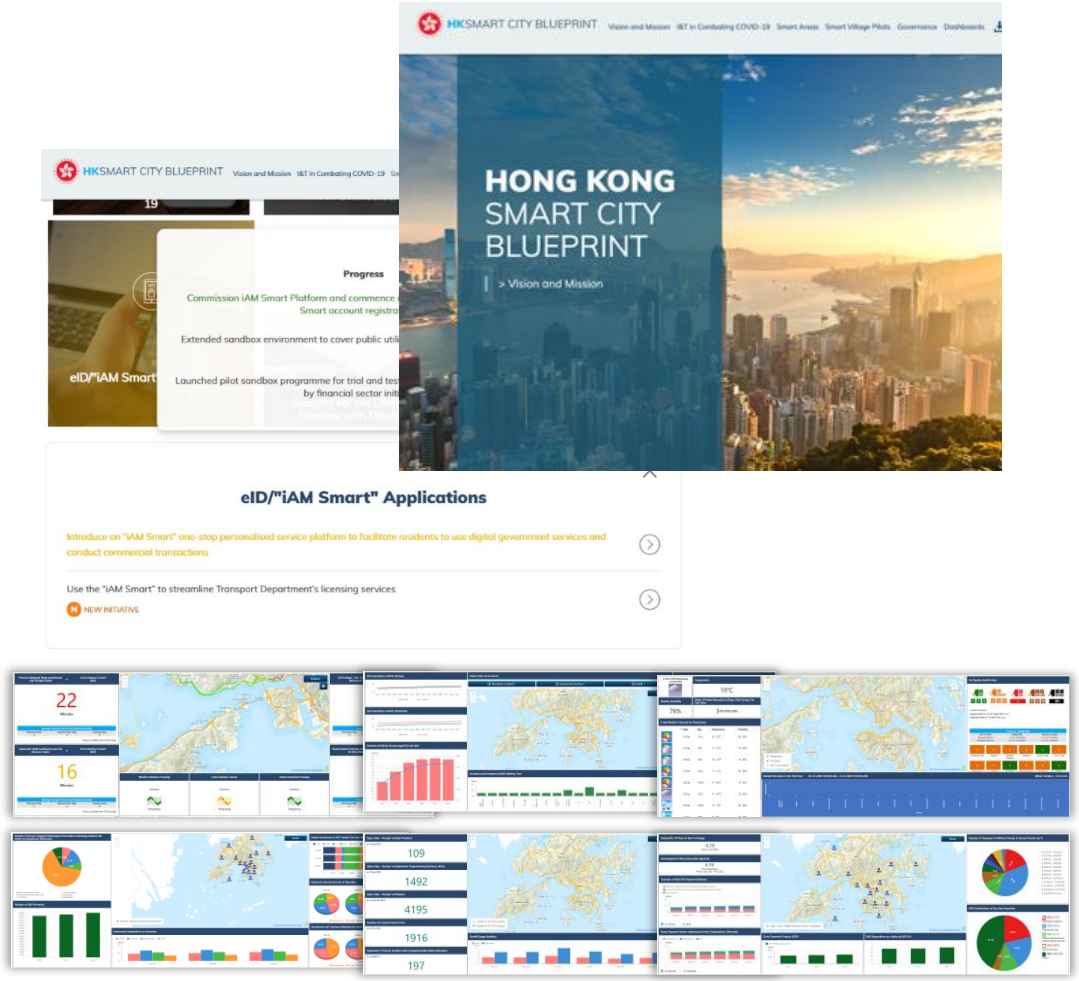
330+ IT solutions from the industry

Covers: *Data Analytics, Blockchain, Chatbot, Internet of Things, Video Analytics, Robotics Technologies, Virtual Reality, Cloud Computing, Mobile Technologies, etc.*

Showcase and display at Cyberport

Dedicated Smart City Portal (www.smartcity.gov.hk)

- **Blueprint 2.0 uploaded to the portal**
- **Learn about progress of smart city initiatives through the portal, and obtain latest information via real-time city dashboards**



THANK YOU