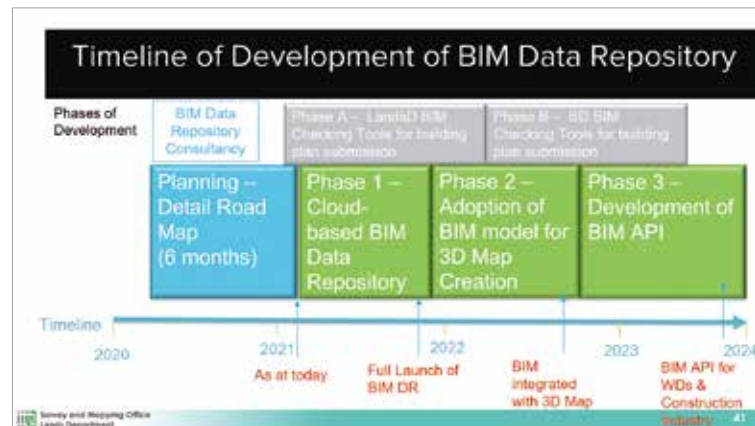




Land Surveying Division
Sr Koo Tak Ming LSD Council Chairman

HKIS Conference: Evolving Professional Surveying Services in a Smart City (27 March 2021)



I am indebted to Sr Edmond YEOW, the Immediate Past PDD Chairman, for hosting Session 2 of the Conference. I also thank HKIS President Sr Edwin TANG for giving the opening speech and Sr Dr Conrad TANG, the Project Coordinator of the HKIS PASS Programme, for introducing the PASS Project to the audience.

HKIS PASS CONFERENCE: Evolving Professional Surveying Services in Smart City

Supporting organisations:
地政總署 Lands Department
SCC 智慧城市聯盟 Smart City Consortium

This Conference was part of a project funded by the Professional Services Advancement Support Scheme (PASS) and aimed to share those professional services, practices, and experiences from Belt and Road cities/countries on smart city development. It included four sessions and discussions on topics including Smart City and Common Spatial Data Infrastructure, **Smart Planning and Development, Smart Geo-information Systems, and Smart City Talent.**



President Sr Edwin TANG gives opening remarks.



Sr Dr Conrad TANG introduces the PASS Project.



DIVISIONAL NEWS & ACTIVITIES

組別簡訊

During Session 1, Mr Kingsley WONG, Assistant Government Chief Information Officer (Industry Development), Office of the Government Chief Information Officer and Guest of Honour, presented **“Smart City Blueprint for Hong Kong 2.0”**. Another Guest of Honour at this session was Sr Ben CHAN, Deputy Director (Survey and Mapping), Lands Department. He presented **“The International Trend of National Mapping and Cadastral Agencies (NMCA): the Survey and Mapping Office’s Role in Building the Smart City of Hong Kong”**.

The HKIS also invited Mr Victor KHOO, Director (Survey & Geomatics Division), Singapore Land Authority, as a third Guest of Honour and his topic was **“Towards a Reliable Underground Utility Map for Singapore”**.



Session 1 Speakers and Moderator

Session 1 – Smart City and Common Spatial Data Infrastructure	
09:15 – 11:00	<p>Smart City Blueprint for Hong Kong Mr Kingsley WONG (Guest of Honour) Assistant Government Chief Information Officer (Industry Development), Office of the Government Chief Information Officer, the Government of the HKSAR</p> <p>The international trend of National Mapping and Cadastral Agencies (NMCA): SMO's role in building the smart city of HK Sr Ben CHAN (Guest of Honour) Deputy Director (Survey and Mapping), Lands Department, the Government of the HKSAR</p> <p>Towards a reliable underground utility map for Singapore Mr Victor KHOO (Guest of Honour) Director (Survey & Geomatics Division), Singapore Land Authority, Singapore</p> <p>Q & A Session Souvenir Presentation to Speaker and Moderator by Sr Dr Conrad TANG</p>

Session 1 Speakers and Their Topics

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

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HKIS PASS
Conference

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



19
HKIS PASS
Conference



Q&A during Session 1

Fundamental Elements of a Smarter City



Generation of the Full-Fledged 3D Visualisation Map



ABOUT SLA

Singapore Land Authority (SLA) is a statutory board under the Ministry of Law. It is formed in June 2004 from the merger of 4 different entities and act as the main custodian of Singapore's Land Assets to support the economic and social development of Singapore.

Limited Land, Unlimited Space

- Optimise land and space utilisation
- Be a trusted source of land-related information
- Drive a Geo-enabled Singapore

Stakeholder engagement and roadmapping

Session 2 – Smart Planning and Development

11:15 – 12:30

Application of Modern Technologies for Smart City Development

Dr Kenneth TANG

Chairman, Spatial Data Infrastructure Committee
Hong Kong Smart City Consortium

Future Living in the Heartlands

Mr Seetiong TAN

Director (Building & Research Institute), Housing & Development Board, Singapore, (Representative from Singapore Institute of Planners)

Smart Planning and Development

Prof Anthony YEH

Chair Professor, Department of Urban Planning and Design
The University of Hong Kong

Q & A Session

Souvenir Presentation to Speaker and Moderator by
Sr Edmond YEW

Immediate Past Chairman (Planning and Development Division), The Hong Kong Institute of Surveyors

Session 2 Speakers and Their Topics



Q&A during Session 2



Session 2 Speakers and Moderator

DIVISIONAL NEWS & ACTIVITIES

組別簡訊

Session 3 – Smart Geo-information System

14:00 – 15:15

Urban Renewal Information System

Mr Wilfred AU

Director (Planning and Design), The Urban Renewal Authority

Geo-intelligence based collaboration, Smart Incheon

Mr Giwoong JO

Officer, Smart City Department, Incheon Metropolitan City Korea

Q & A Session

Souvenir Presentation to Speaker and Moderator by

Sr Takming KOO

Chairman (Land Surveying Division)

The Hong Kong Institute of Surveyors

Session 4 – Smart City Talent

15:30 – 16:45

Geomatics for Smart Cities

Prof Wu CHEN

Head of Department, Land Surveying and Geo-informatics
The Hong Kong Polytechnic University

Nurturing GIS Young Talents

Ms Joy CHAN

Marketing Manager, Esri China (Hong Kong)

Q & A Session

Souvenir Presentation to Speaker and Moderator by

Sr Dr Charles WONG

Associate Head (Academic), Department of Land Surveying
and Geo-informatics
The Hong Kong Polytechnic University

16:45 – 17:00

Closing Speech

Sr Takming KOO

Sessions 3 and 4 Speakers and Their Topics



Q&A during Session 4



Session 4 Speakers and Moderator



Organising Committee and Helpers



Q&A during Session 3



Session 3 Speakers and Moderator

To prepare for the Smart City Blueprint 2.0, Hong Kong has to modernise its national mapping and cadastral agencies (NMCA) to provide a framework for a smart-city. It has to groom its young talents for spatial data infrastructure (SDI), smart planning, and development with a smart geo-information system (GIS). Thus, the HKIS must continue to push for unity, innovation, and ever-improving professional standards in the professional surveying industry by exchanging ideas and sharing experiences with its counterparts in other countries.

I thank all speakers for their time, insights, and support. I also thank all supporting organisations, the Lands Department, and the SmartCity Consortium for endorsing the Conference. I believe it is crucial for everyone to continue collaborating to build a better Hong Kong for all.

New Open Data Available Soon



Open Data Available on HKMS 2.0

The Lands Department announced on its Hong Kong Map Service 2.0 Portal that most of its digital map products will be available as open data from April 2021. Open digital map data sets should facilitate Hong Kong's quest to be a better and smarter city.

Experience-Sharing on Hand Shield Tunneling Surveying (18 March 2021)

Hand shield tunneling is a trenchless method for sewer, water, gas, oil, and telecommunication pipeline installations underneath rivers, roads, railroads, buildings, and other obstacles. It overcomes the traditional limits of open trench excavation and minimises inconveniences to the public.

During the seminar on this topic, Sr Mo Ki-long shared his experiences with hand shield tunneling surveying by introducing the construction procedures, sequence of the tunneling surveying methods, feasibility studies of proposed designs, and independent quality assurance checks of the surveying results.

Last, Sr Mo highlighted the essential competencies for a land surveyor to master when managing certain surveying issues during the construction process.



Appreciation Certificate Presentation to Sr Mo Ki-long (2nd from right)