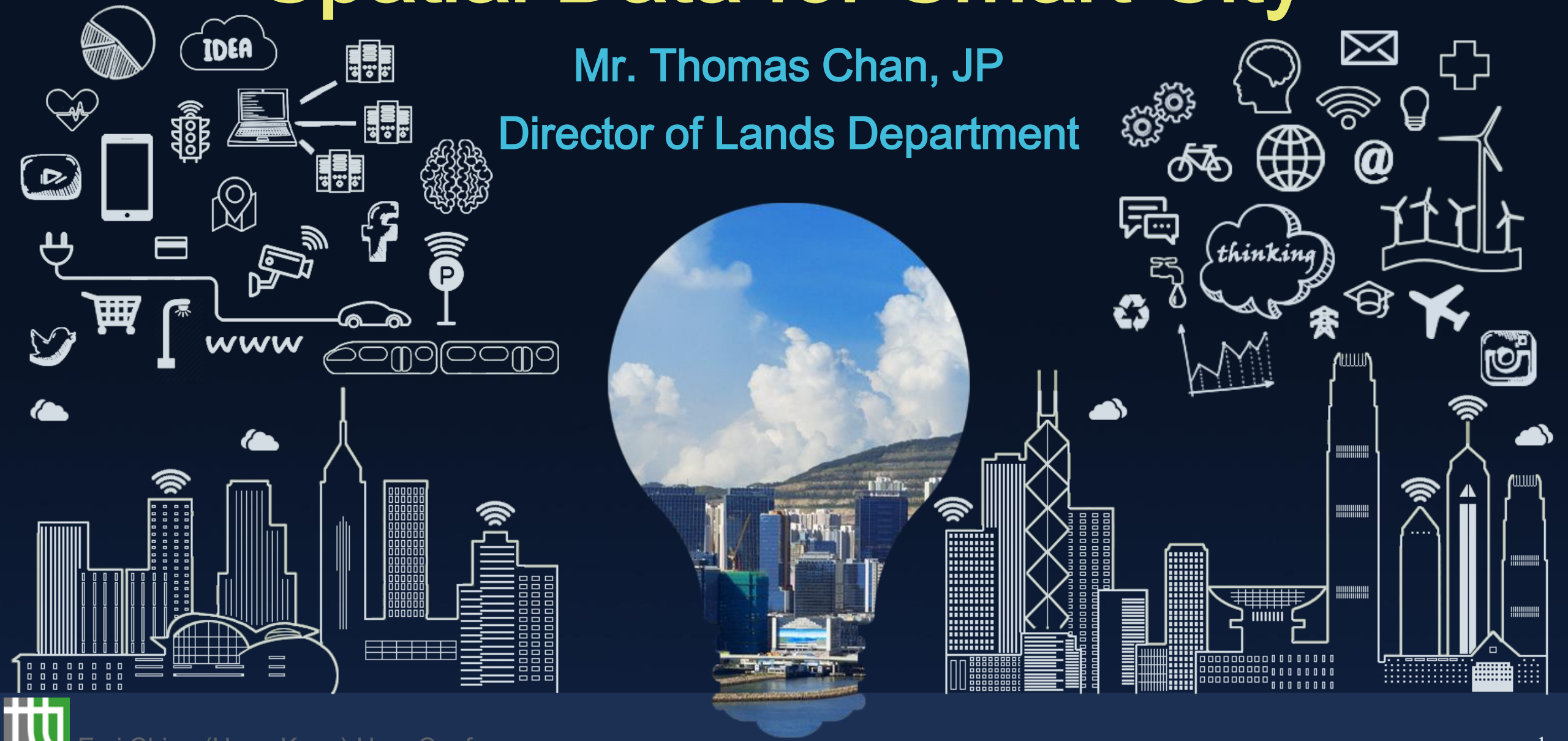
Spatial Data for Smart City

Mr. Thomas Chan, JP
Director of Lands Department



Policy Address

2015
Smart City

2016
Smart City

2017
Smart City

Common Spatial Data Infrastructure

Building Information Modelling

Our Spatial Data Support Smart Hong Kong

3D Digital Map

3D Framework

Satellite Positioning Reference Station Network (SatRef)

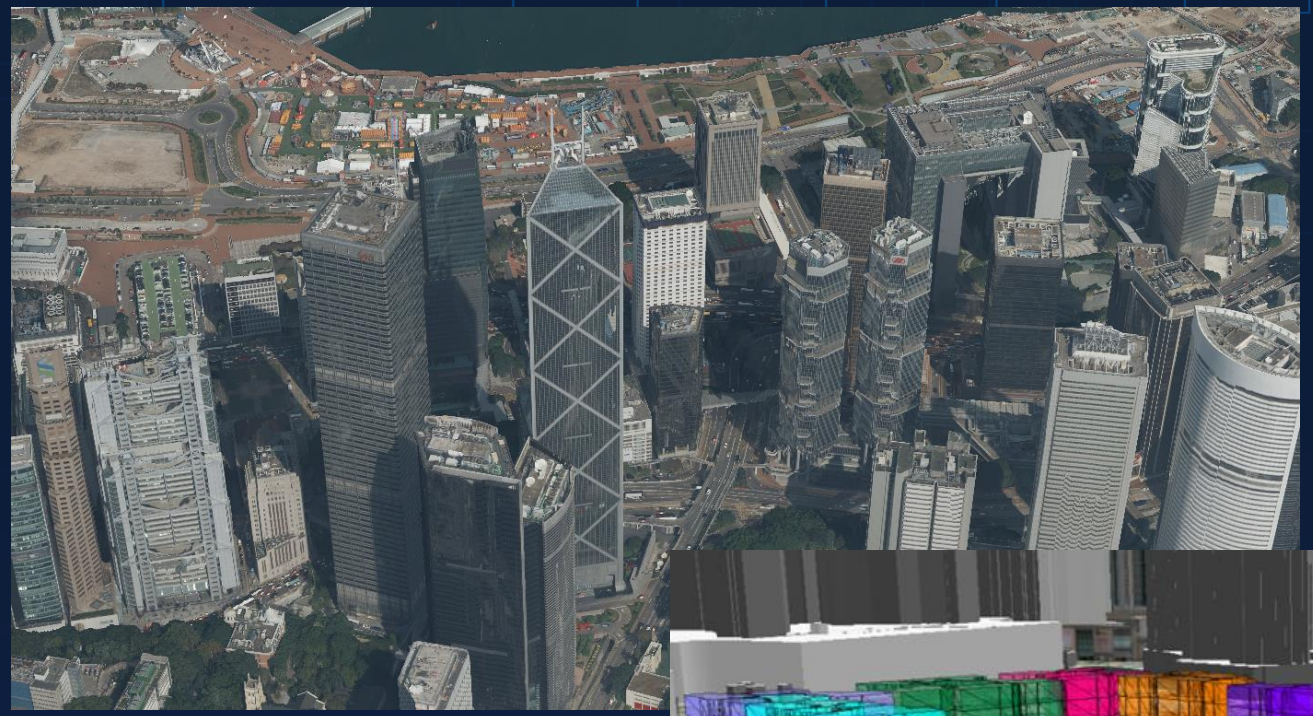
3D Digital Map

- 3D Framework
- 3D City Model

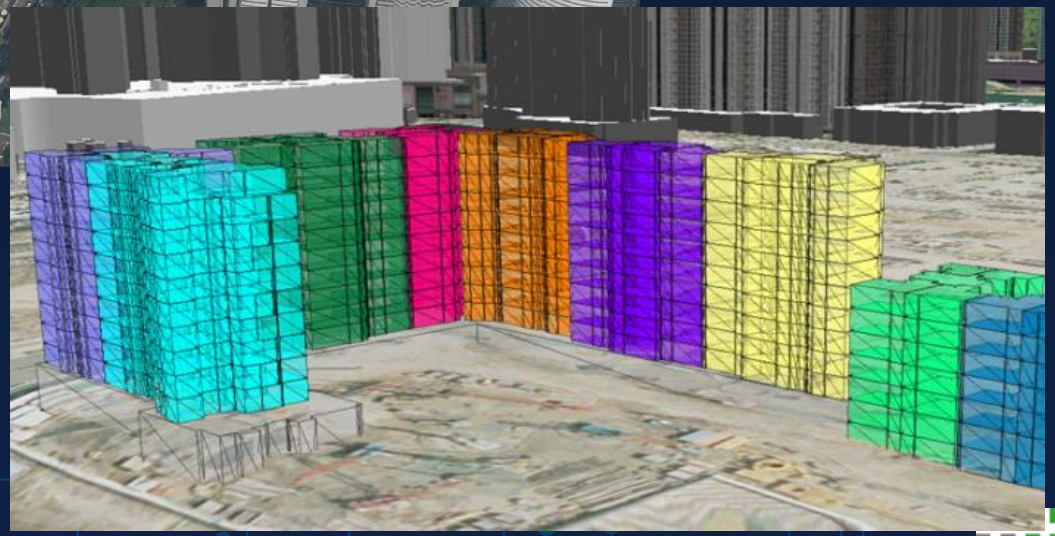
Vehicle Mobile Mapping System (VMMS)

3D Digital Map

- 3D Framework
- 3D City Model



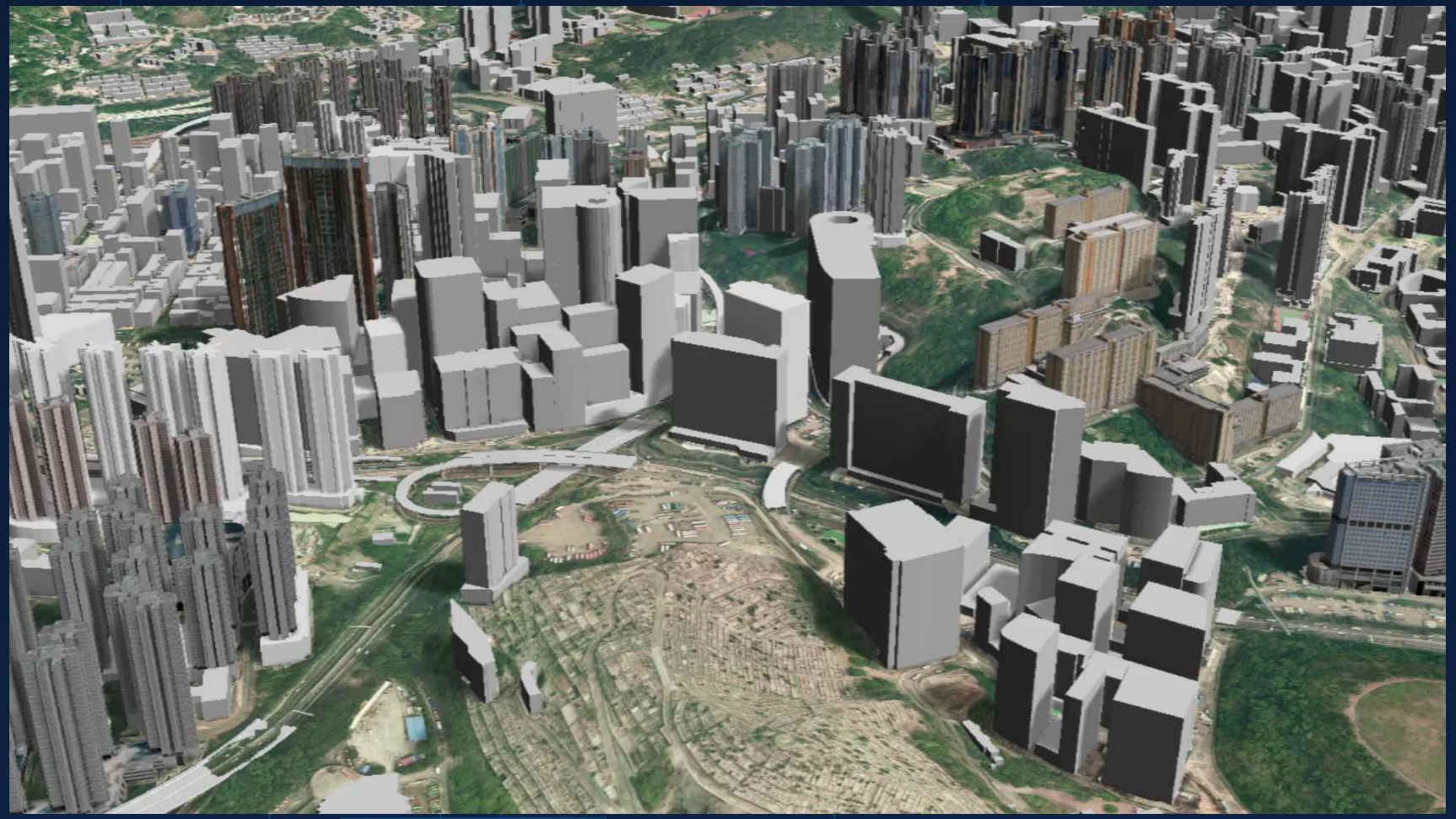
3D Model



3D Floor and Unit

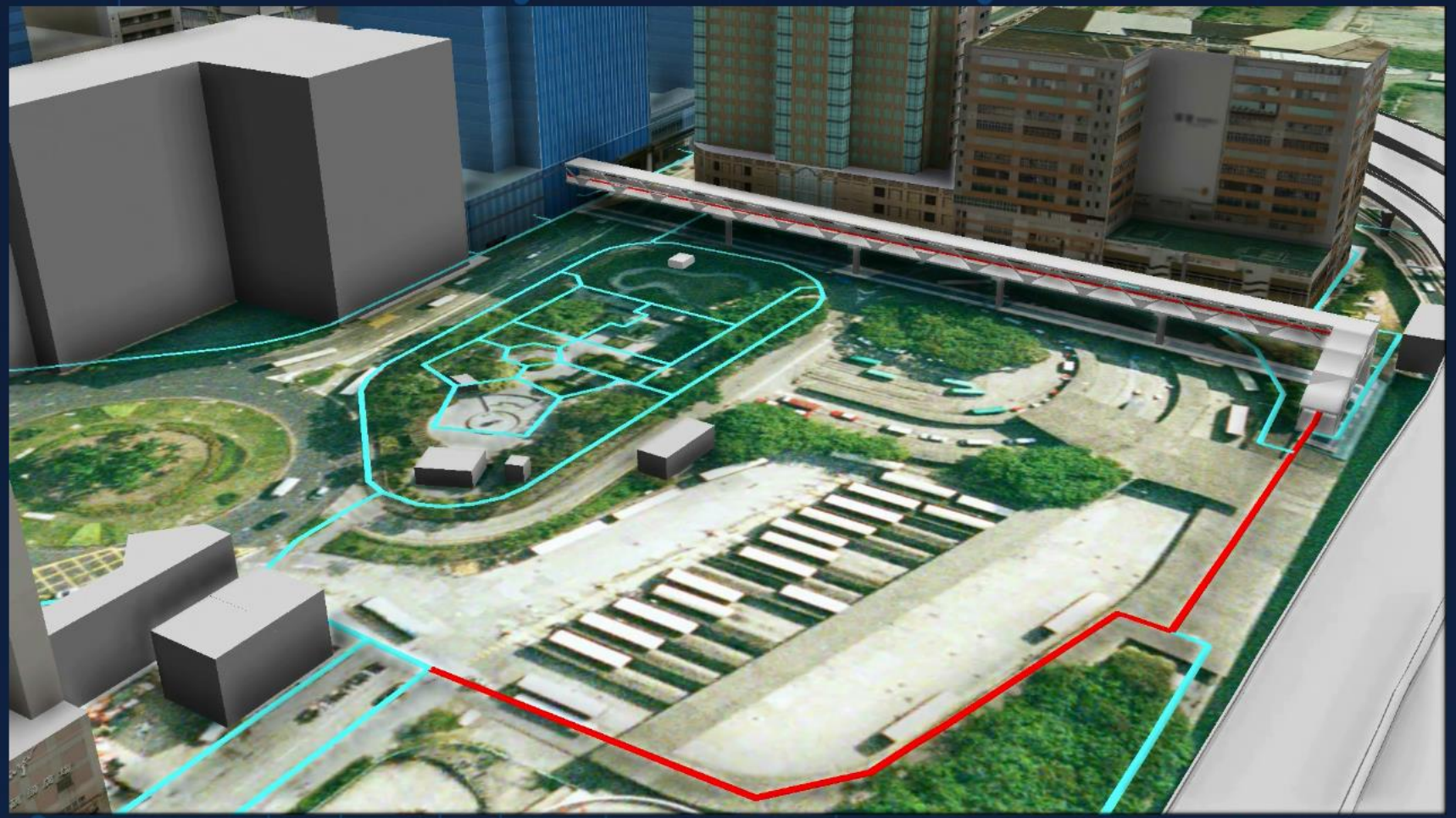
3D Digital Map

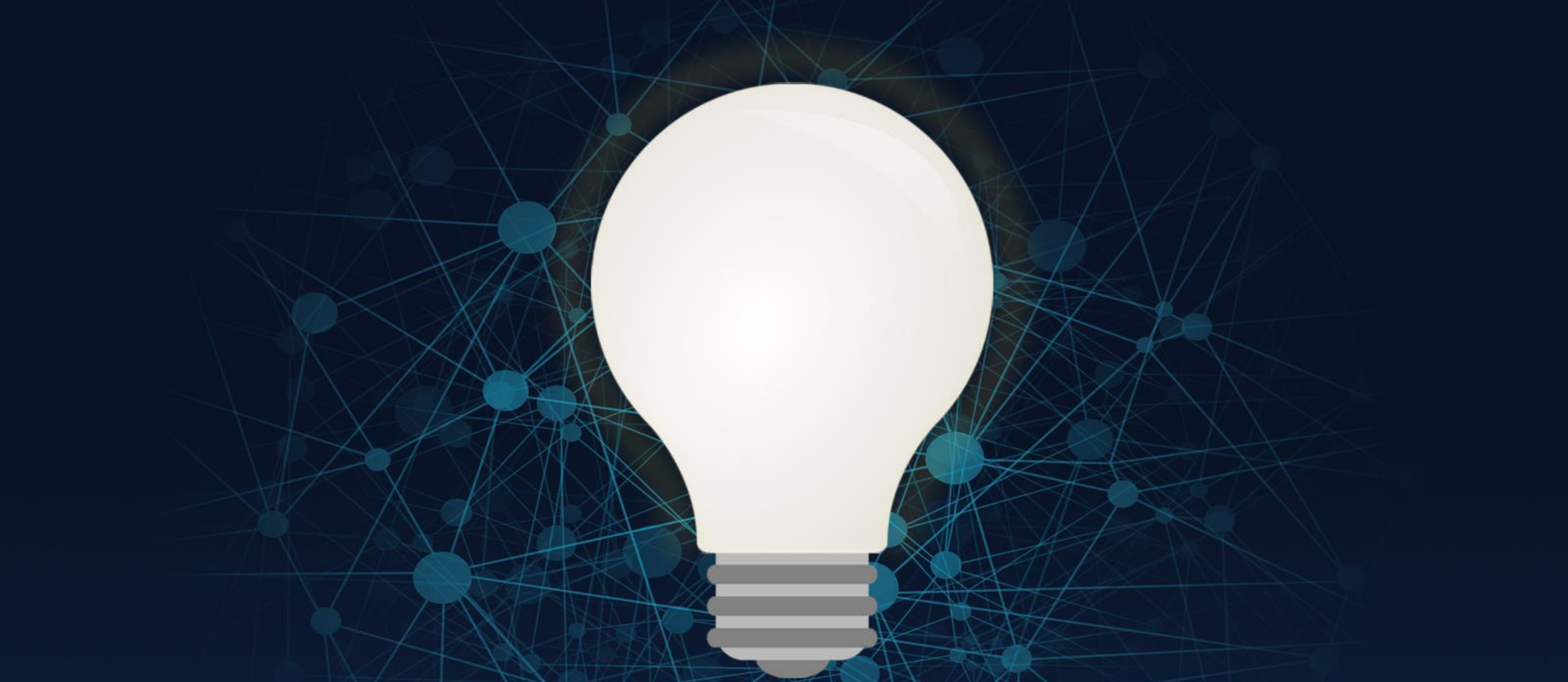
- 3D Framework
- 3D City Model
- 3D Land Record



3D Digital Map

- 3D Framework
- 3D City Model
- 3D Land Record
- 3D Pedestrian Network





Enriched Land Information Database

Enriched Land Information Database

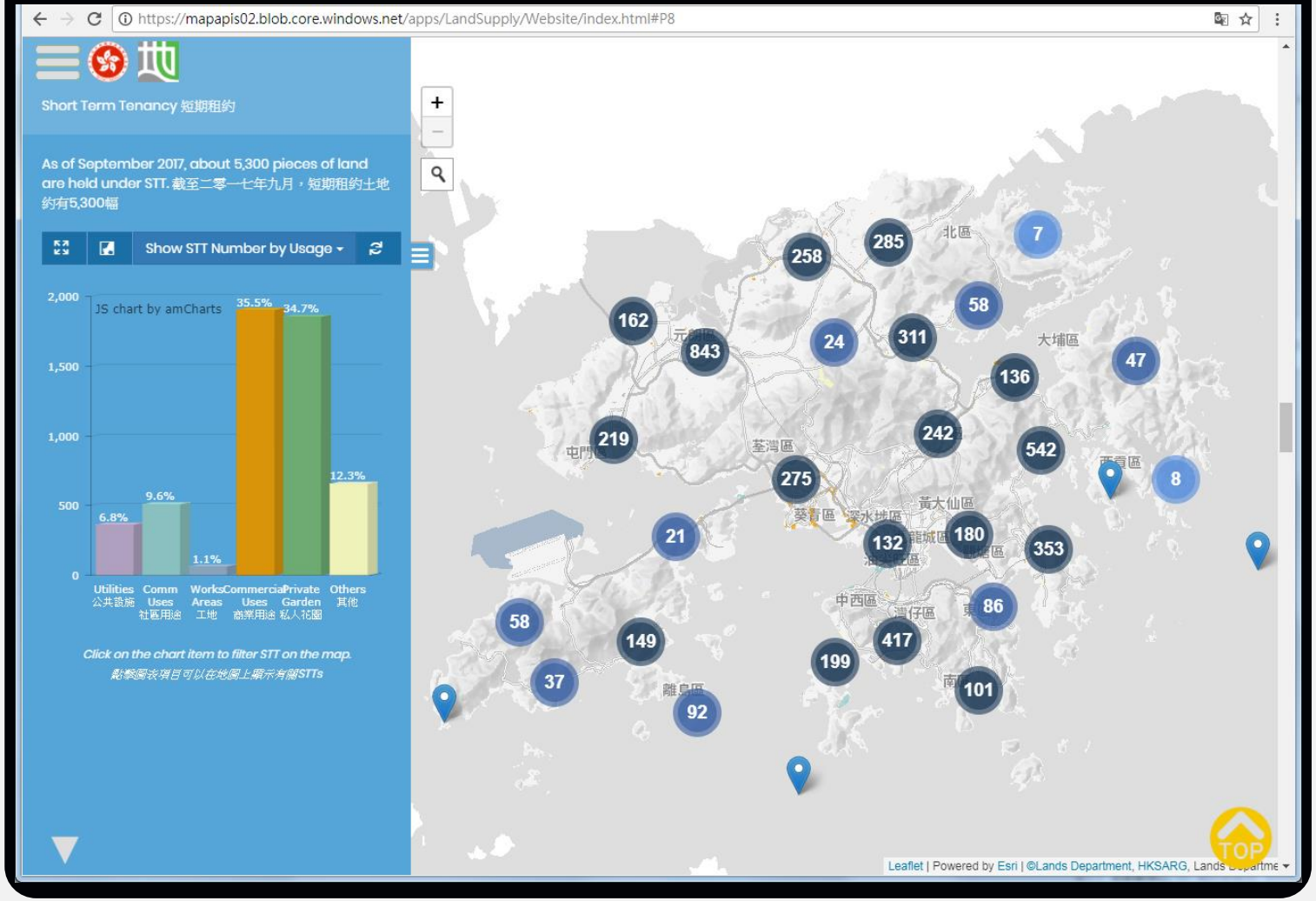
To Enrich the Content and Completeness of
Land Information Database

Enriched Land Information Database

To Show Changes Using UAV Images for Land Control

Enriched Land Information Database

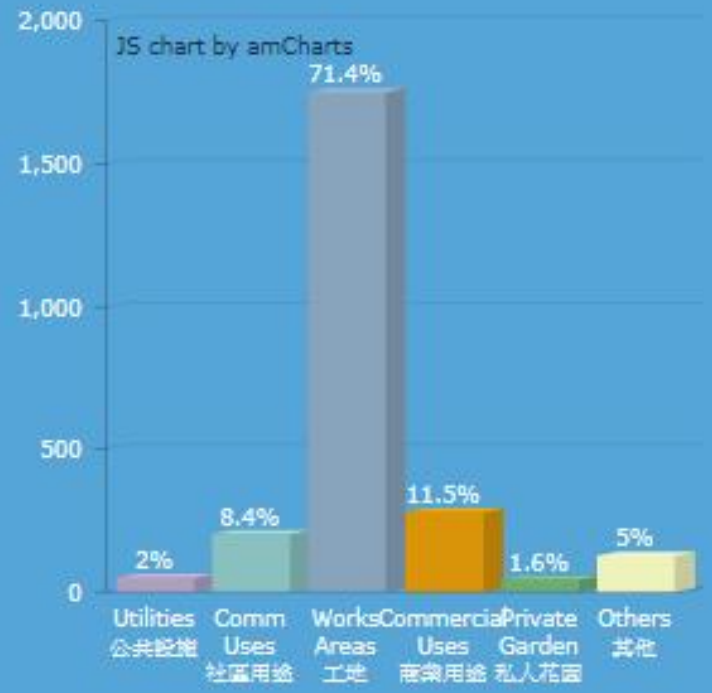
To Support Land Supply Analysis



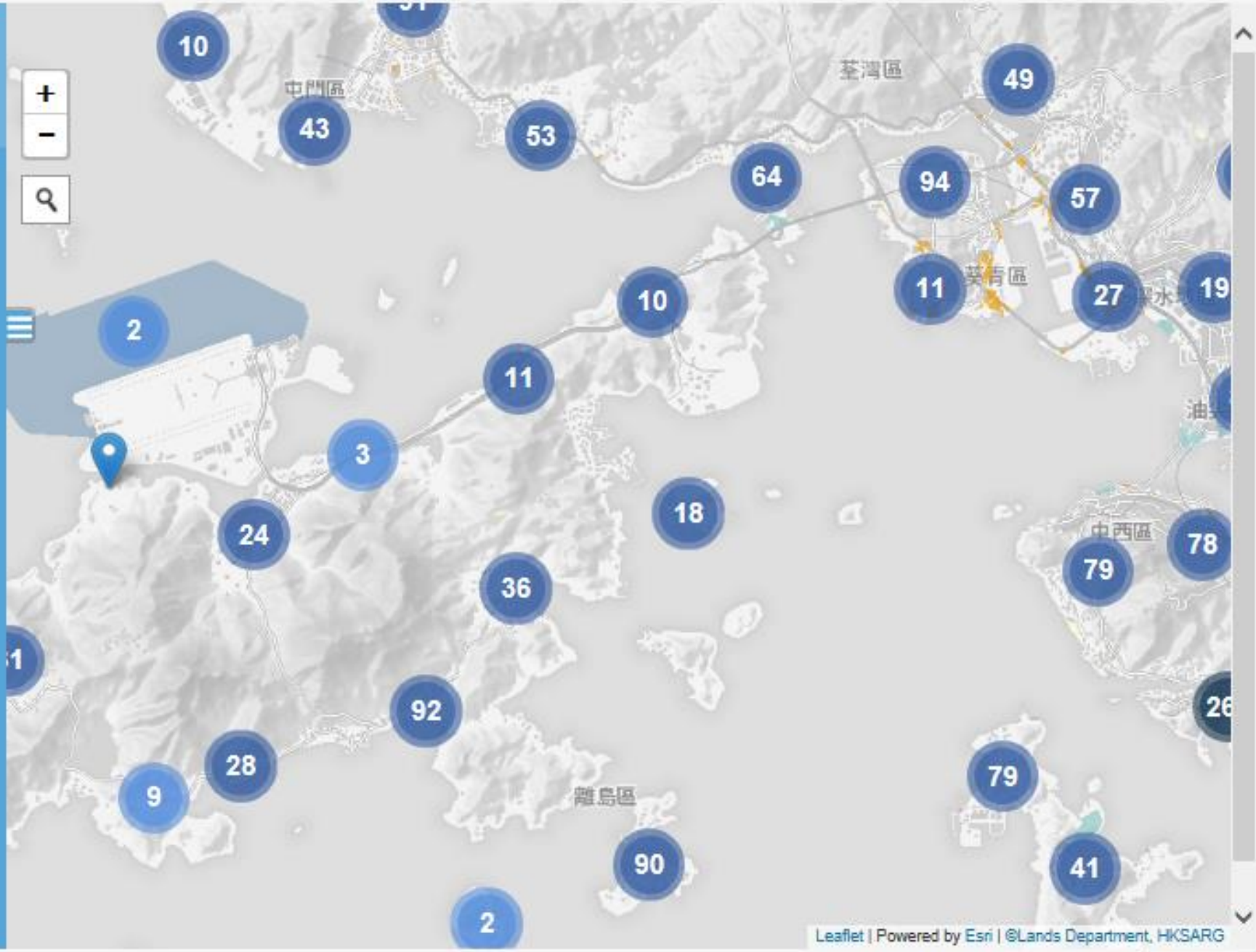
Short Term Tenancy 短期租約

As of September 2017, a total area of about 2,450 hectares (ha) of land is held under STT. 截至二零一七年九月，短期租約土地總面積約有2,450公頃

Show STT Area by Usage



Click on the chart item to filter STT on the map.



Source: https://mapapis02.blob.core.windows.net/apps/LandSupply/STT.html

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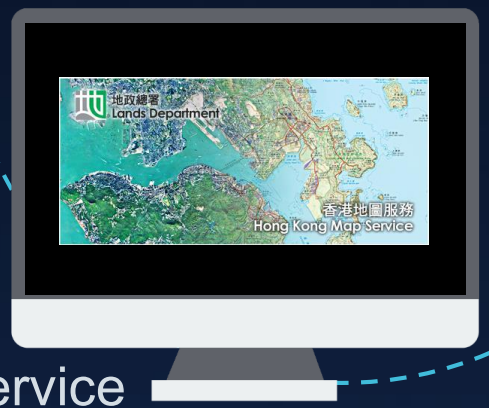
Enriched Land Information Database

Online Mapping Services

GeoInfo Map

To Citizens

MyMapHK



Hong Kong Map Service

MyKE

Common Spatial Data Infrastructure (CSDI)

Common Spatial Data Infrastructure (CSDI)

To foster a “joined-up government” and “spatially enabled society”

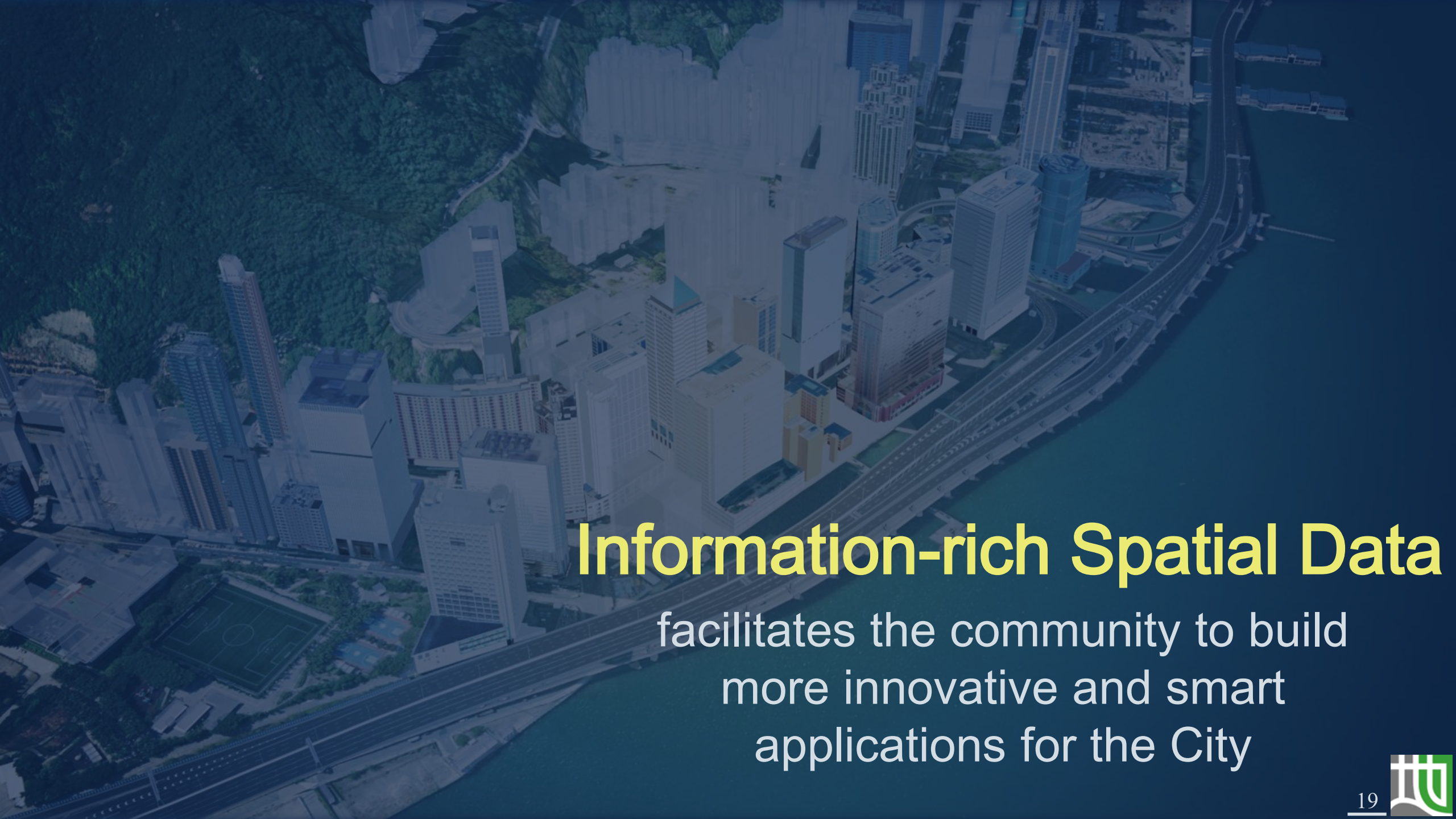
as convener of CSDI Data and Technical Standards Working Group

will coordinate with departments to establish data standards for framework spatial data

will engage a consultancy service to devise workflow, mechanism and architecture of a CSDI portal to foster data sharing

Common Spatial Data Infrastructure (CSDI)

Map API



Information-rich Spatial Data

facilitates the community to build more innovative and smart applications for the City