

LandsD's 3D Digital Maps achieves territory-wide coverage

The Lands Department (LandsD) today (March 27) launched a 3D Visualisation Map of Hong Kong Island, New Territories Southwest and New Territories East, along with a 3D Indoor Map with coverage extended to the whole territory of Hong Kong and selected MTR stations, providing more comprehensive spatial data to the public. Released in phases since 2022, the 3D Digital Maps has now achieved full coverage of the territory.

The 3D Visualisation Map of Hong Kong Island, New Territories Southwest and New Territories East covers around 122 000 buildings and about 3 300 infrastructure facilities including flyovers, footbridges and subways. Additionally, around 30 selected MTR stations are covered in the 3D Indoor Map, offering information on points of interest and a supporting indoor point-to-point pedestrian routing service within the stations. In combination with some 200 buildings included in the 3D Indoor Map of Kowloon East, Kowloon Central and Kowloon West released last year, the territory-wide 3D Indoor Map now covers around 600 buildings, including government and private buildings, community facilities and hospitals, providing information on their interior spaces and points of interest. The data facilitates the development of innovative indoor data applications, such as location-based services, tourism and indoor navigation.

The "Streetscape 360" feature of the 3D Visualisation Map offers 360-degree street-level panoramic images and a measurement function, with coverage now extended from Kowloon, Lantau and New Territories Northwest to include Hong Kong Island and the entire New Territories.

The datasets of the abovementioned 3D Digital Maps, relevant application programming interface and sample codes are available on the Common Spatial Data Infrastructure Portal (portal.csd.gov.hk) and the online application platform "Open3Dhk" (3d.map.gov.hk) for free download by the public, as well as to facilitate the development of web services and smart applications by the innovation and technology sector and academia.

The LandsD will continuously update the 3D Digital Maps to provide up-to-date information with a view to promoting smart city development.