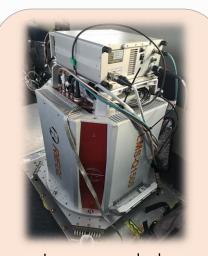


Geo-powered transformation

Geospatial - Public Sector

Underpinned by technological advancements

Capturing Data in High Resolution

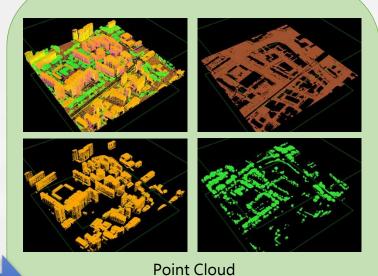


Long range, dual channel laser scanner

TECHNOLOGY



Large format, highresolution camera sensor



Foint Cloud

3D DATA





Color-Infrared Image



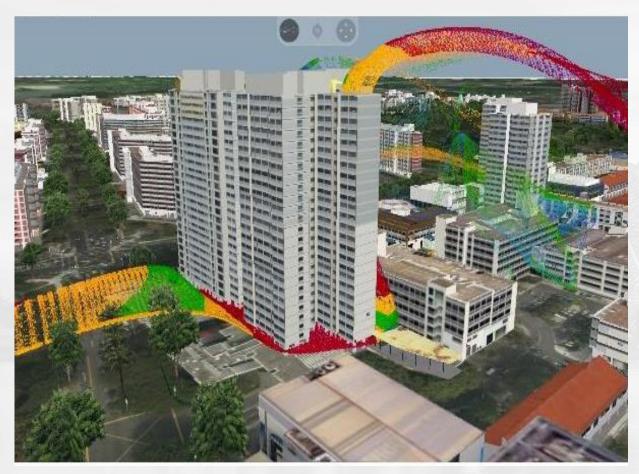
Evolving Cadastre Needs



Complexities of structures and related rights - need planning in third dimension



Transforming City Planning

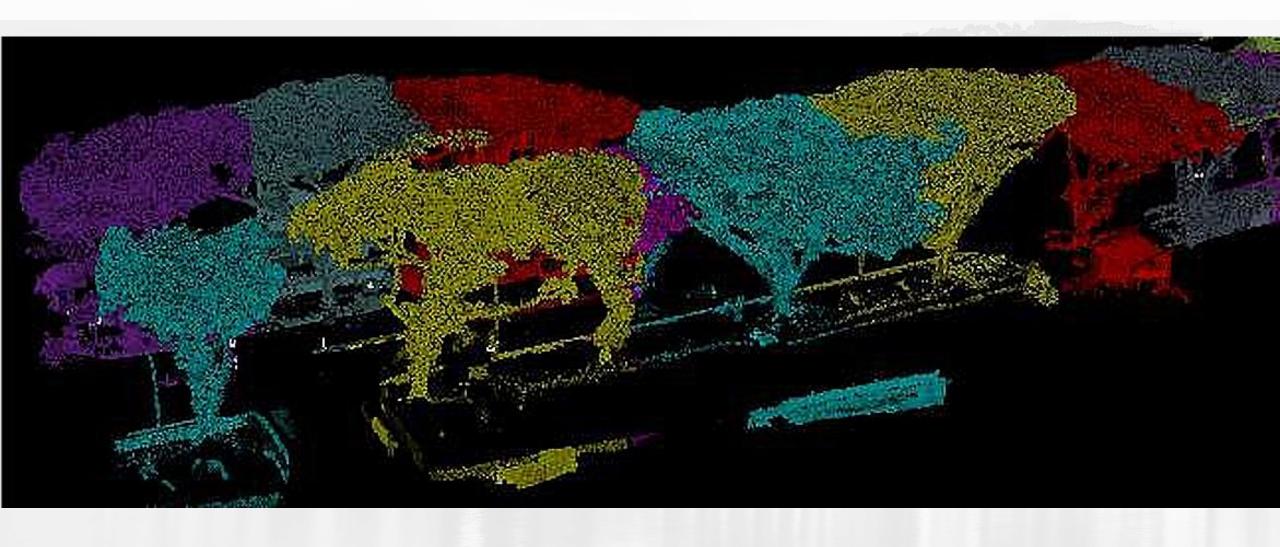




Wind Flow and Micro Climate Analysis

Shadow Analysis

Planning of Public Spaces - Trees Mapping



Data Driven Decision Making



Planning for Shifting Demographics



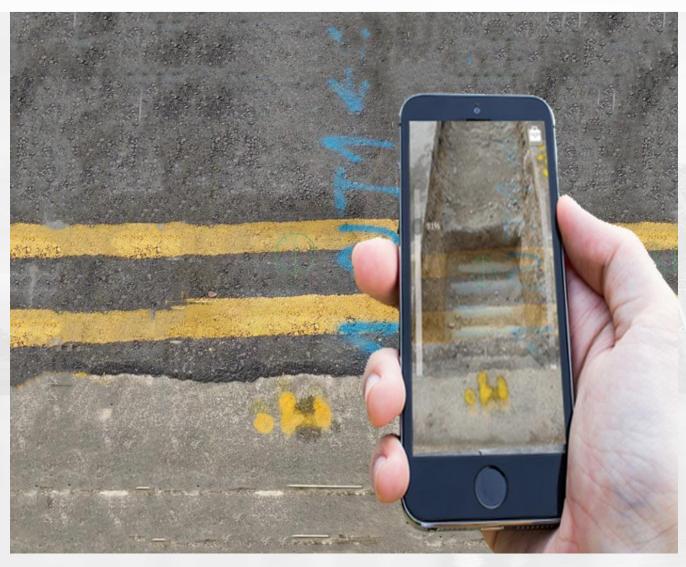
Barrier-Free Access

Autonomous Vehicles

Planning of Public Spaces – Subsurface Utilities Mapping

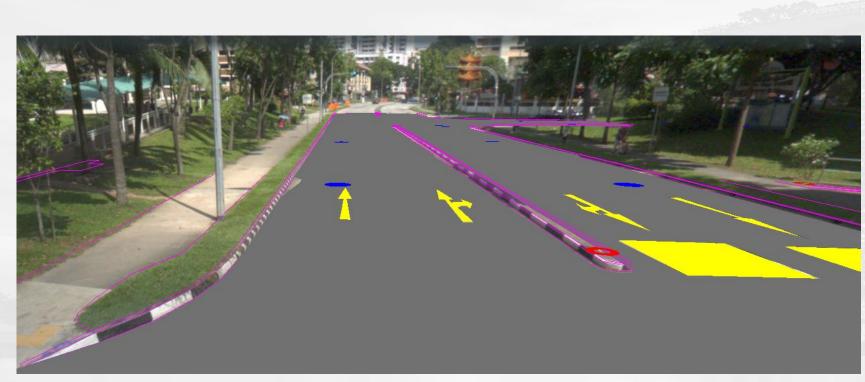


Augmented Reality (AR) Visualisation of Subsurface Utilities





Automating with Artificial Intelligence



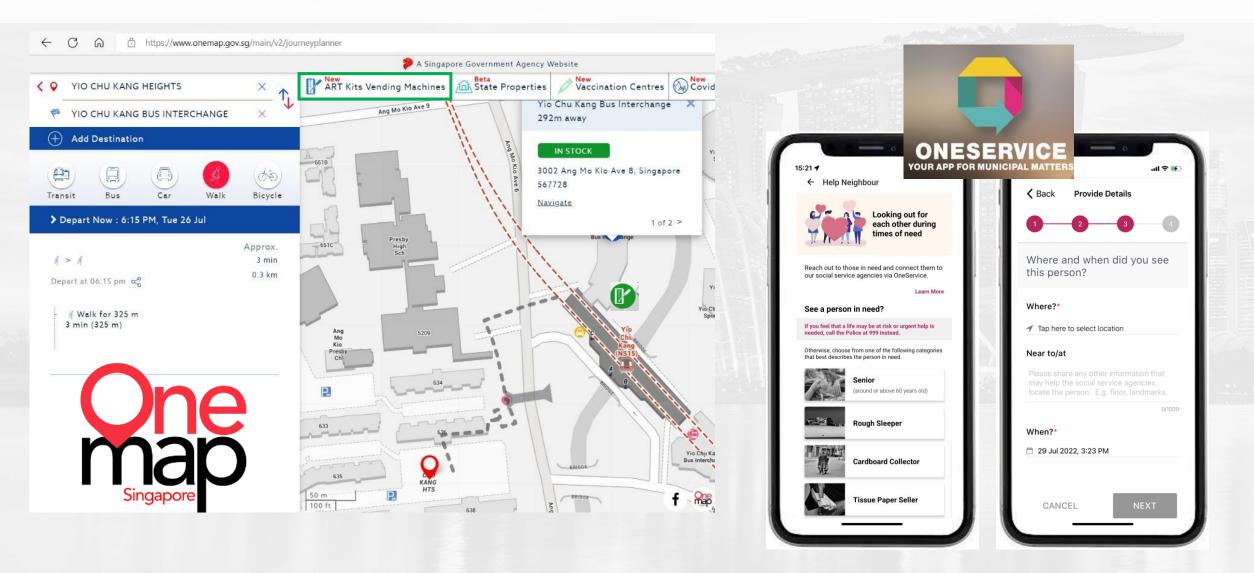
Identification of road and roadside features



Extracting their exact location

Geospatial - Social Services

Open GeoData for COVID & Social Services



Navigate to Free ART Kits

OneService App

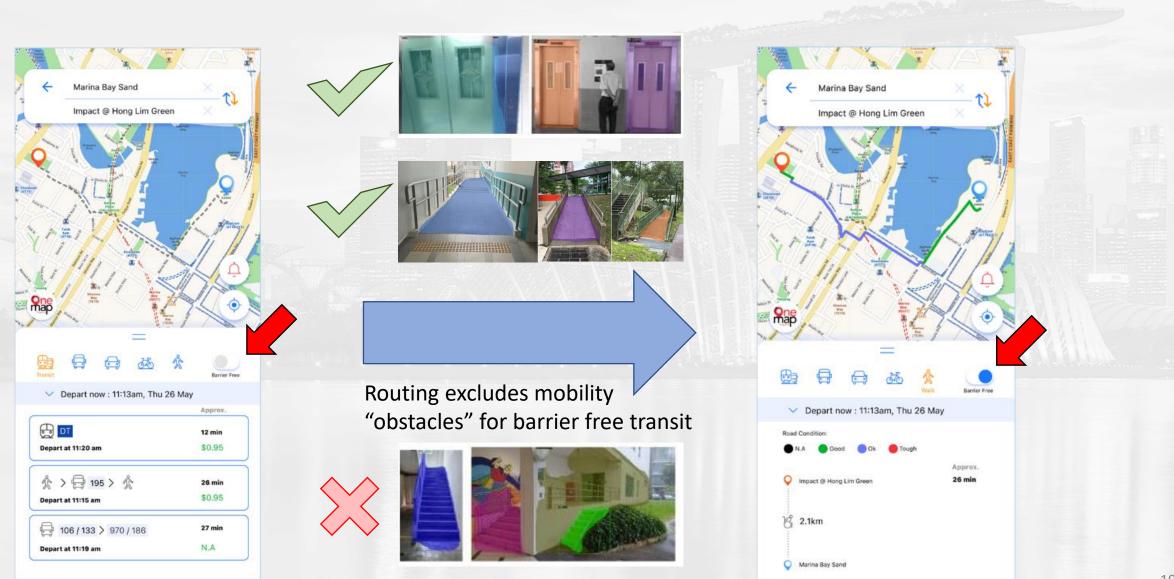
MyResponder App Powered by OneMap



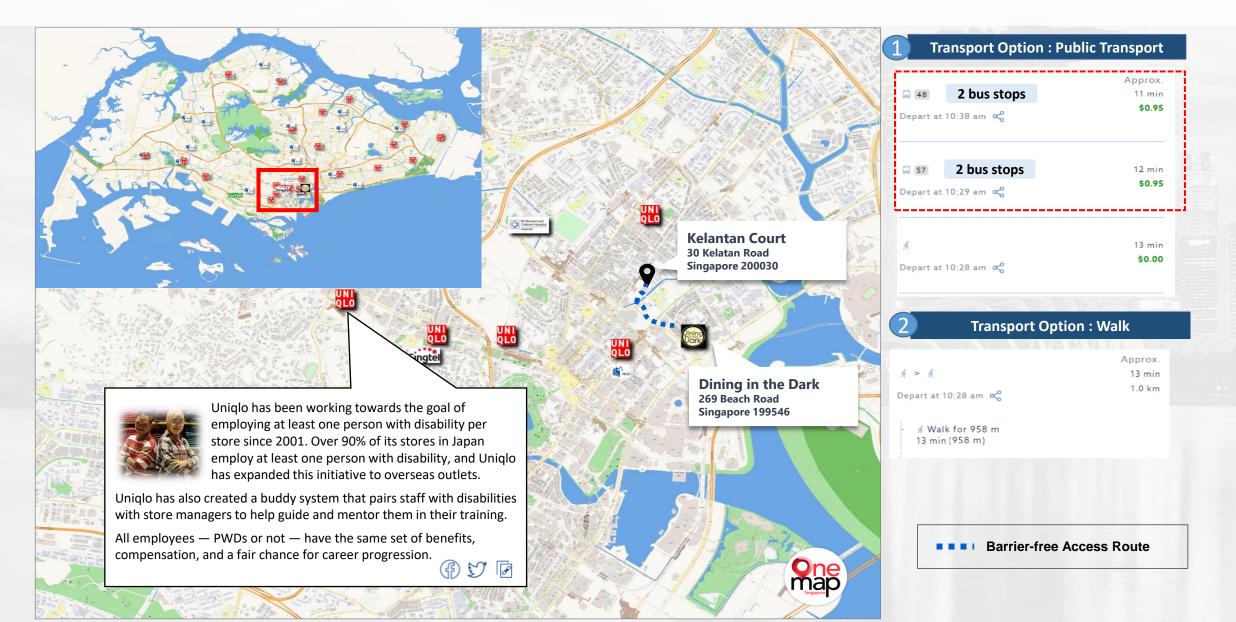
Connecting Communities with OneMap



Mapping Barrier Free Access (BFA) for Inclusiveness

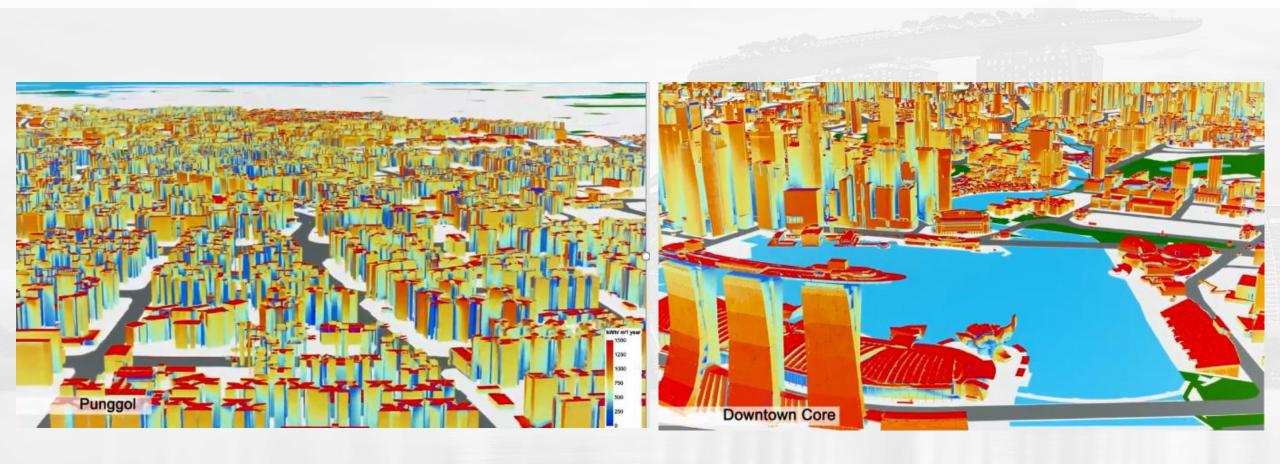


Connecting Inclusive Employers to Communities



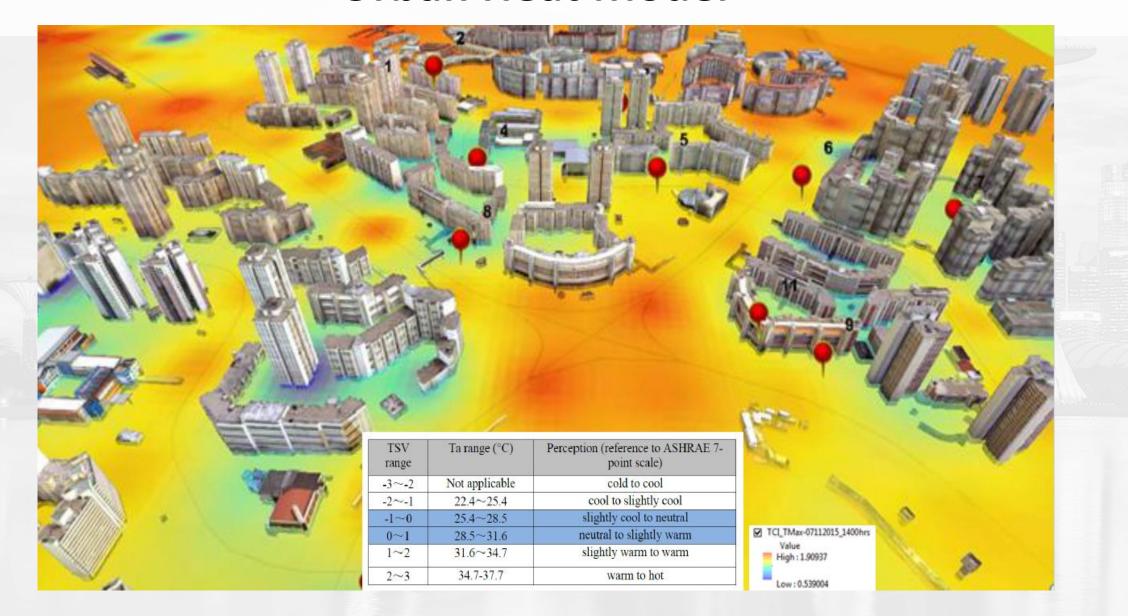
Geospatial - Enabler for Sustainability

Development of 3D Solar Potential Map

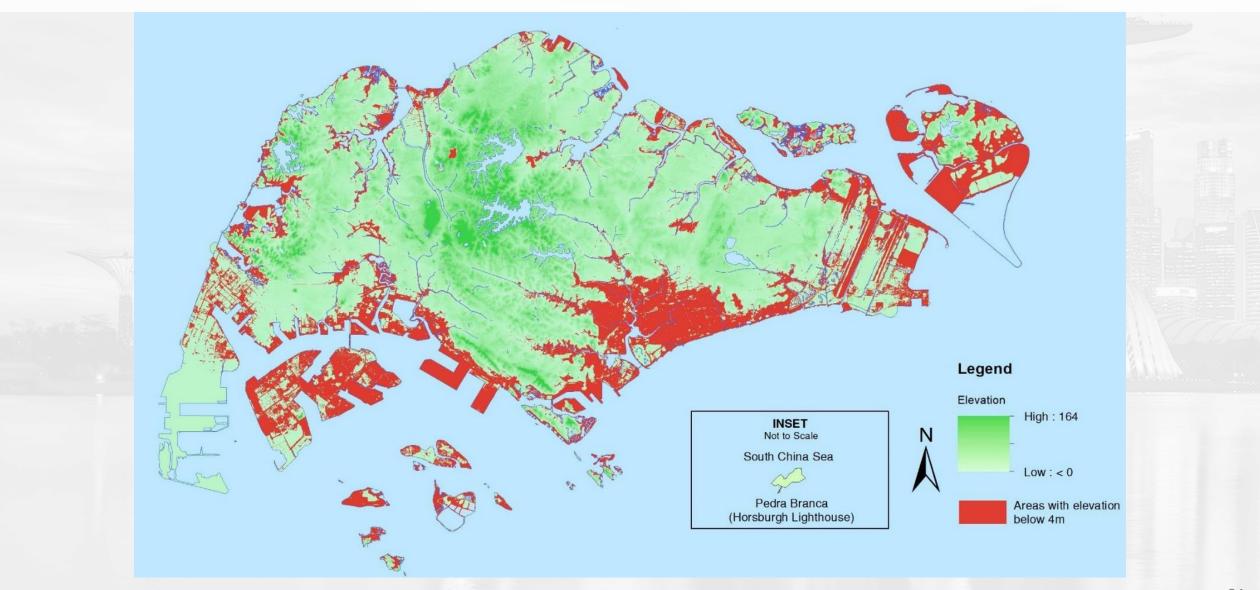


Images Courtesy of Solar Energy Research Institute of Singapore (SERIS) and School of Design & Environment (SDE), National University of Singapore (NUS)

Urban Heat Model

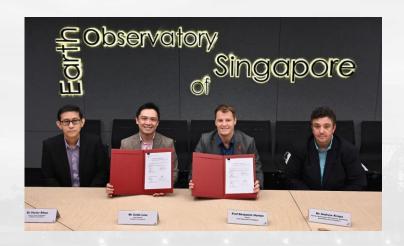


Mitigate Impact of Sea Level Rise



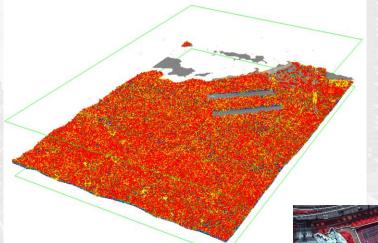
Collaborating on Climate Research

More accurate ways to measure land-height and sea-level changes around Singapore



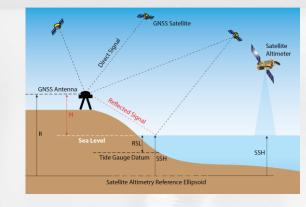


Leveraging SLA's aerial LiDAR and multi-spectral aerial photography





Effect of the atmosphere on the weather and climate on the island nation.



Measuring and monitoring of Singapore's nature-based carbon resources for national mitigation efforts

Geospatial - Private Sector

Improving Last Mile Delivery



MOU Signing between SLA and Ninja Van

Geo Works

Pninjavan

Colin Low
Chief Executive
Chief Executive
Chief Executive
Chief Executive
Chief Executive
Chief Executive

"With our drivers contributing pictorial data to facilitate OneMap's accuracy ...we can potentially set a new industry operational standard through improvements in the entire last-mile delivery..."

Mr Lai Chang Wen Chief Executive Officer of Ninja Van



Promoting Awareness in Geospatial

Promoting awareness in geospatial technologies and their potential areas of application



Implementation of suitable programmes to help businesses better appreciate how geospatial technologies can improve their current and future operations





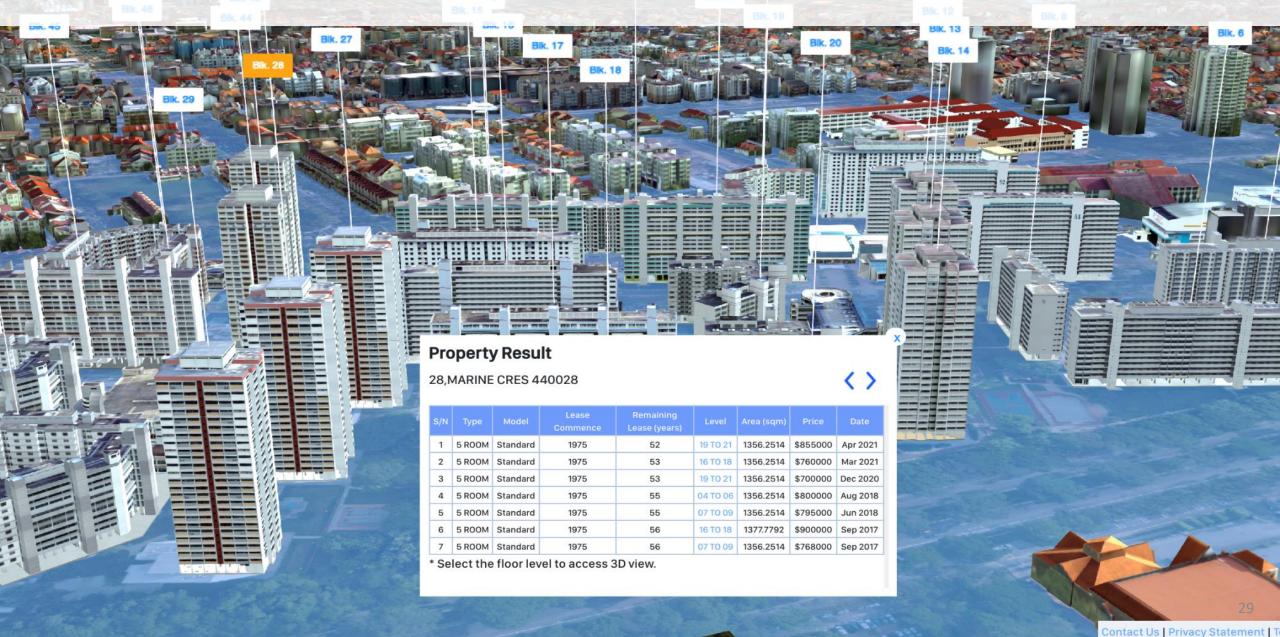


THE HUMAN TOUCH

BALANCING MANPOWER RESILIENCE WITH PRODUCTIVITY FOR TRANSFORMATION

Manpower Policy Paper on Supporting Lifestyle Services, Environmental Services and Estate & Facilities Management Services

Partnering Real Estate Agencies



Collaborating with Private Sector - A Living Lab

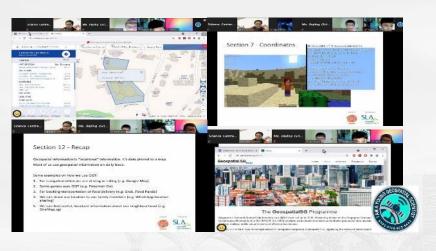


Geospatial - Education Sector



Seeding Interest from Young

Young Scientist Geospatial Badge



Singapore Geospatial Scholarship



Regional Geospatial Youth Forum



Geomatics School Outreach & Girl Guides Geospatial Badge







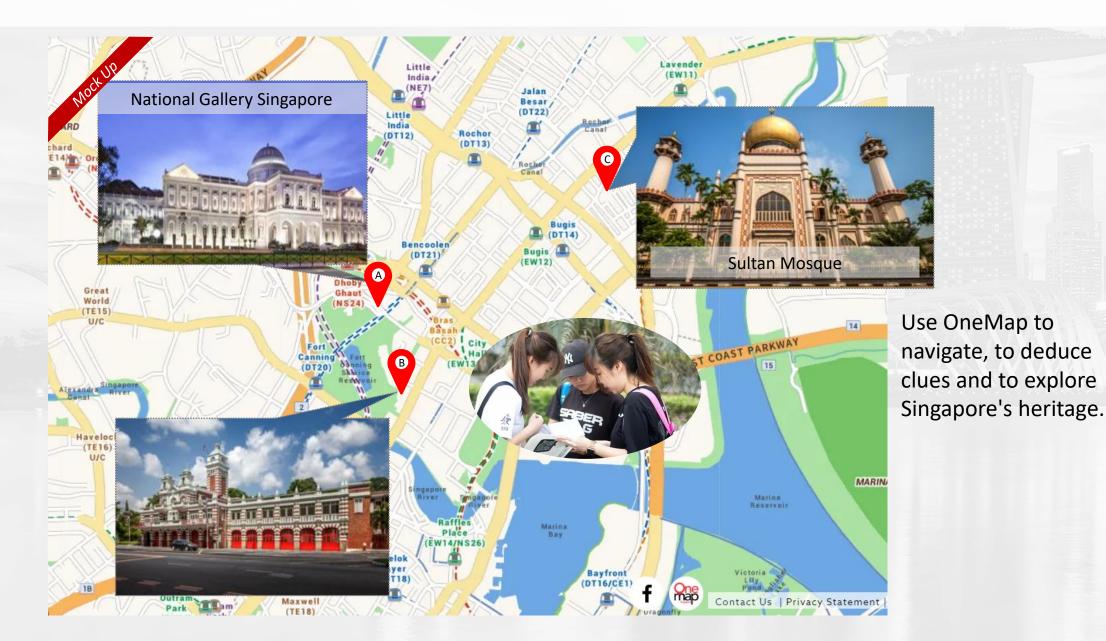
ASEAN Geospatial Challenge



MOE-EduGIS



Making Geospatial Fun – Singapore Heritage Trail



Mainstreaming

Living Lab

Seed Early. Create Stickiness

Solutioning - Public - Private