

**SMART City  
@KowloonEast Symposium**

# TRANSFORMING KOWLOON EAST INTO A SMART CITY DISTRICT

Head of Energizing Kowloon East Office, Development Bureau





# Our Smart City Journey

Transforming Kowloon East into

CBD<sup>2</sup>

Test bed for  
Smart City Development

Enhance  
Connectivity

Improve the  
Environment

Release Development  
Potential





# Smart City Framework for Kowloon East



## VISION

To facilitate co-creation of Kowloon East into a vibrant, smart and sustainable CBD2 of Hong Kong



# Innovation-oriented Platform



Co-creation

Collaboration

Knowledge Sharing

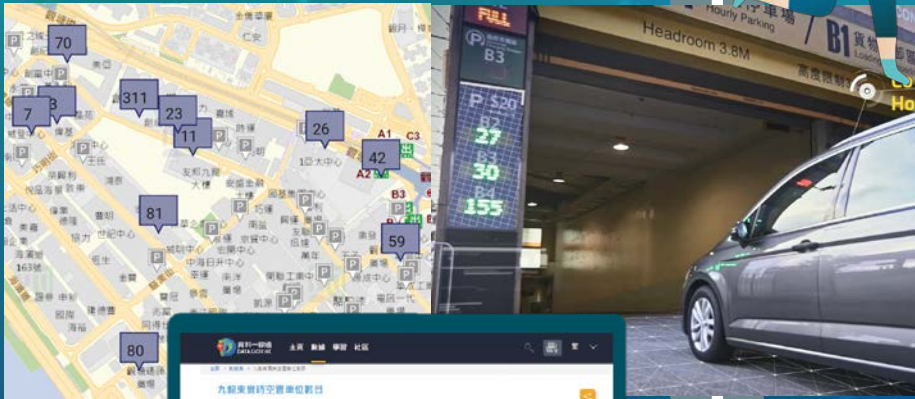
# SMART

CBD<sup>2</sup>



# Starting Small and Scaling Up

## Indoor Positioning



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0 10 1101 010 110  
Scalable Indoor &  
Outdoor GIS for KE



GPS

## Easy Parking





# Starting Young

Secondary Students



University Students



Liberal Studies



Teachers



STEM Education



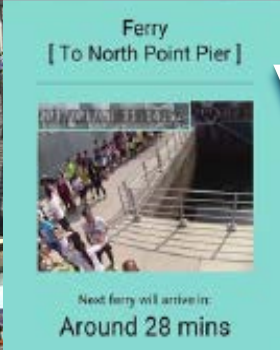
Trainers & Volunteers





# Opportunities for Start-ups

## Crowd Management System



## Redeployment



## Video Analytics

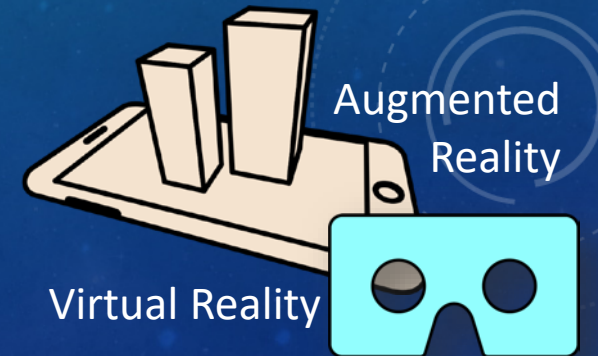
### Greenway Pilot Project



## Personalized Tour



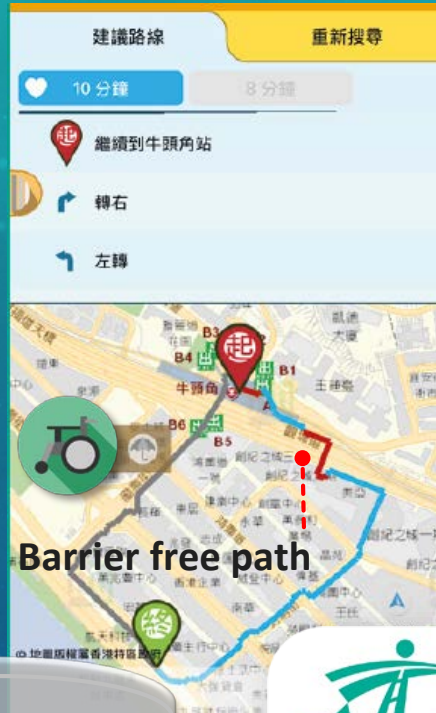
## Artificial Intelligence





# From Vision to Implementation

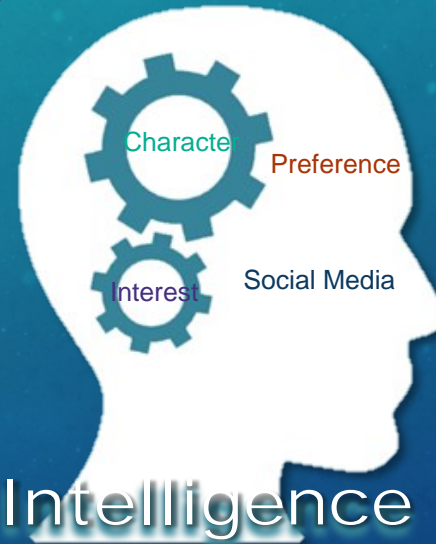
## Mobility and Walkability



3D pedestrian network



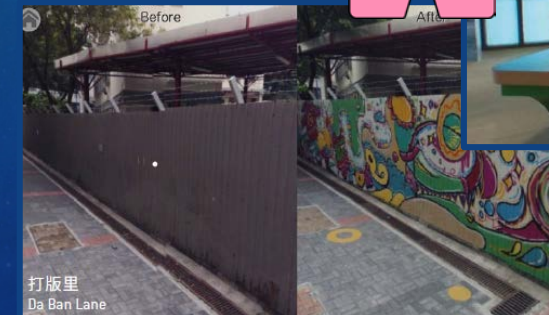
Personalized Tour



Artificial Intelligence



VR Technology



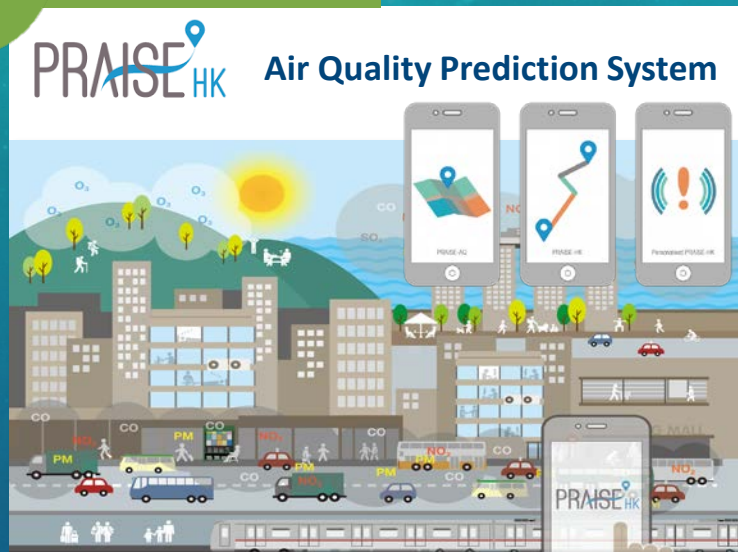


# From Vision to Implementation

## Mobility and Walkability



### Easy Walking



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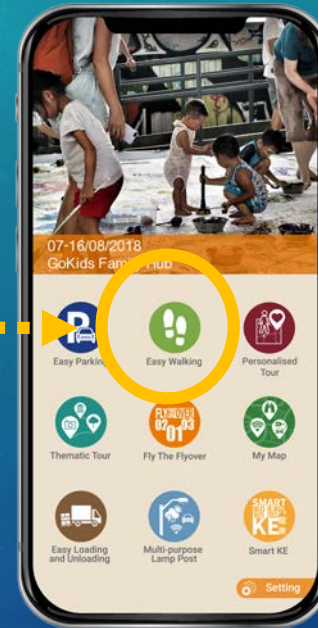
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Source from [www.kmb.hk](http://www.kmb.hk)



# From Vision to Implementation

## Resources Management and Urban Environment



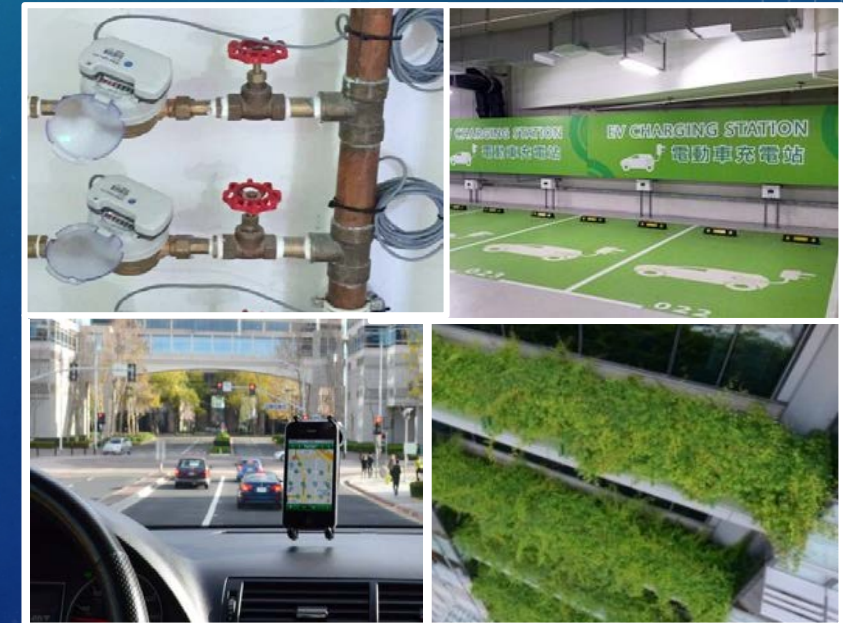
Smart Energy Community

New requirements in land sale conditions towards building a green and smart neighbourhood:

1. Green Building Design
  - BEAM Plus Provisional Gold Rating or above
  - Higher Greening Ratio
2. Installation of Smart Water Meters
3. Electric Vehicle Charging Facilities
4. Sharing of Parking Vacancy Information



Smart Energy Saving Scheme

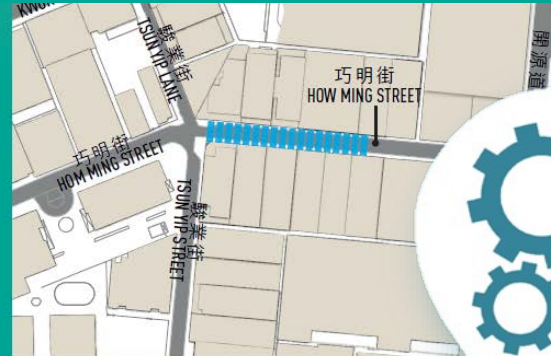




# From Vision to Implementation

Governance and Socio-economic Vibrancy

## Kerbside Loading & Unloading Monitoring System



## Illegal Parking Monitoring System



Video Analytics



Real-time road works



Easy loading and unloading





# From Vision to Implementation

## Governance and Socio-economic Vibrancy

### Multi-purpose Lamp Post



Assets Management

### Tree Risk Alert System



### Smart Recycling Bin System



### Smart Crowd Management System - On-site Demonstration



### Multi-purpose Lamp Post - Sharing Session



