



KOTA KINABALU

SABAH, MALAYSIA

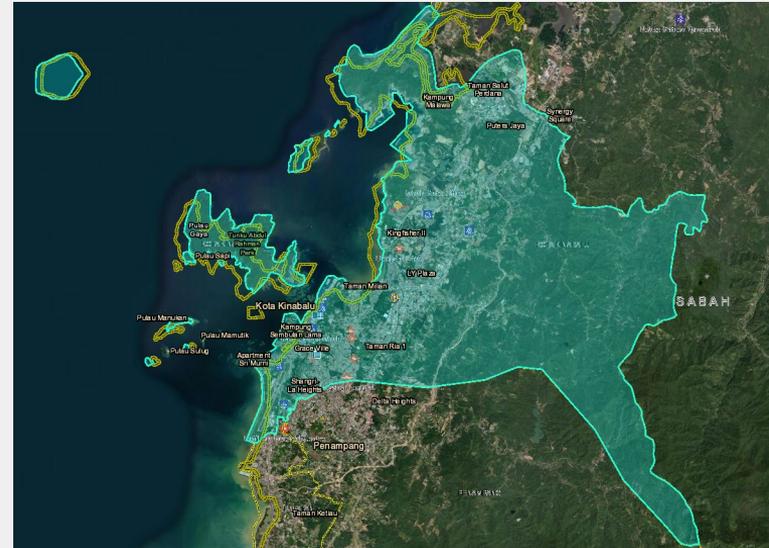
The capital of Sabah is **Kota Kinabalu**

(also referred to as 'KK' and formerly known as Jesselton)

KK



- Located at the West Coast Division of Sabah, Facing the South China Sea.
- The **Mount Kinabalu**, the highest mountain in Malaysia lies to its east, which gave the city its name.
- Kota Kinabalu covers an **area of 366 Sqkm** (240 Sqkm – Land area & 17 Sqkm- island)
- has a **population of 500,425** according to the 2020 census.



MAJOR ISSUES & CHALLENGES



Resettle Transition Housing

7,000 units
identified



Urban Renewal

Rejuvenating old part
of the City

MAJOR ISSUES & CHALLENGES



Climate Change

Future Sea Level Rise Impact
and Land Loss



Holistic and Better Infrastructure

Water, waste and sewerage
management, climate
adaptation

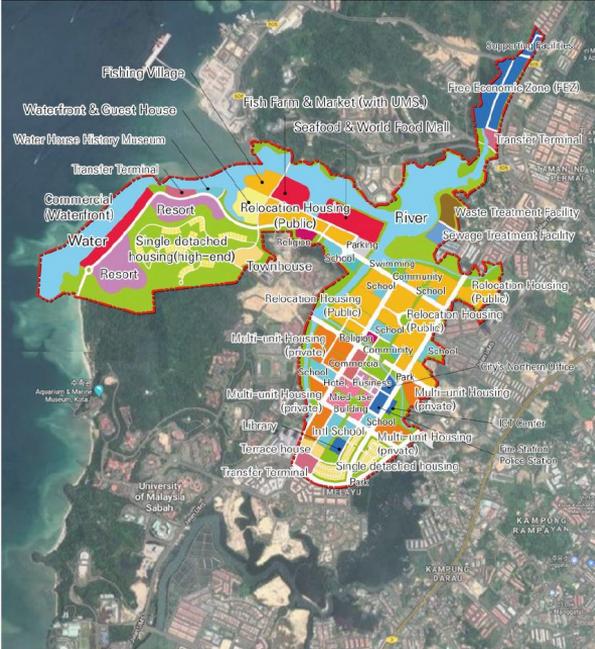


Integrated Road and Public Transport System

Bus terminal and
route

NEW INITIATIVES

1. Smart City New Township – Kuala Sepanggar (Northern KK)



Malaysia KK Smartcity

Land use plan

Scale : Nonscale

Legend

- District Boundary
- Special Tourism Zone & Free economic zone
- Low-rise residential area
- Medium-low rise residential area
- Medium-rise residential area (Education)
- Medium-rise residential area (Private housing)
- Commercial facilities
- Resort & Hotel
- Mixed-use building
- Community facilities
- Religion facilities
- Education facilities
- Sewage treatment facilities
- Water
- Business fac. & Public offices
- Park, green space and pedestrian
- Forestry
- Parking lots
- Roads
- Waste treatment facilities

- Area** : 1,239 ac (501 ha)
- Lansuse** : Residential, Commercial, Government use, Public Facilities
- Feasibility Study Cost** : USD 570,000 (Funded by Korean Government)
- Implementation Cost** : USD 538,000,000

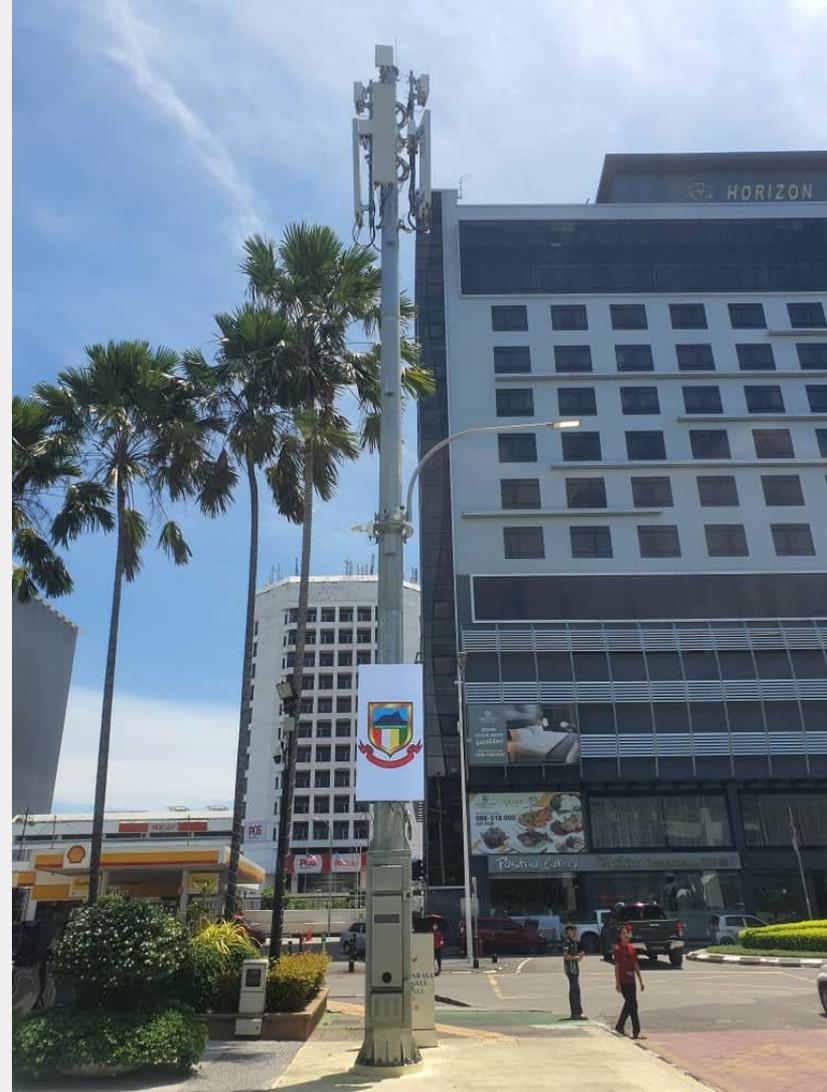
- Implementation Methods :**
- Asian Infrastructure Investment Bank (AIIB)
 - Private Finance Initiative (PFI)
 - Public Private Partnership (PPP)
 - Government Grand / Soft Loan

Category	Period	Time	Cost (Thousand USD)	
Time of Analysis	9 Mo	July 2020 – Sept 2021	570.000	
Infrastructure construction	Phase 1	36 Mo	2024.01.01 ~ 2026.12.31	142.821
	Phase 2	36 Mo	2027.01.01 ~ 2029.12.31	209.567
	Phase 3	36 Mo	2030.01.01 ~ 2032.12.31	73.270
	Phase 4	36 Mo	2033.01.01 ~ 2035.12.31	112.540

NEW INITIATIVES

2. 5G Smart Pole (Telecommunication)

REQUIREMENT	FEATURES
Mandatory	<ul style="list-style-type: none">a) electricity supply;b) fiber technology;c) cellular access connectivity ;d) Surveillance (CCTV); ande) energy efficient lighting;
Optional	<ul style="list-style-type: none">a) environmental monitoring;b) digital information broadcasting;a) WiFi connectivity;b) EV Charger; andc) emergency services.



NEW INITIATIVES

3. Urban Renewal Scheme & Masterplan



Sembulan Urban Renewal Scheme

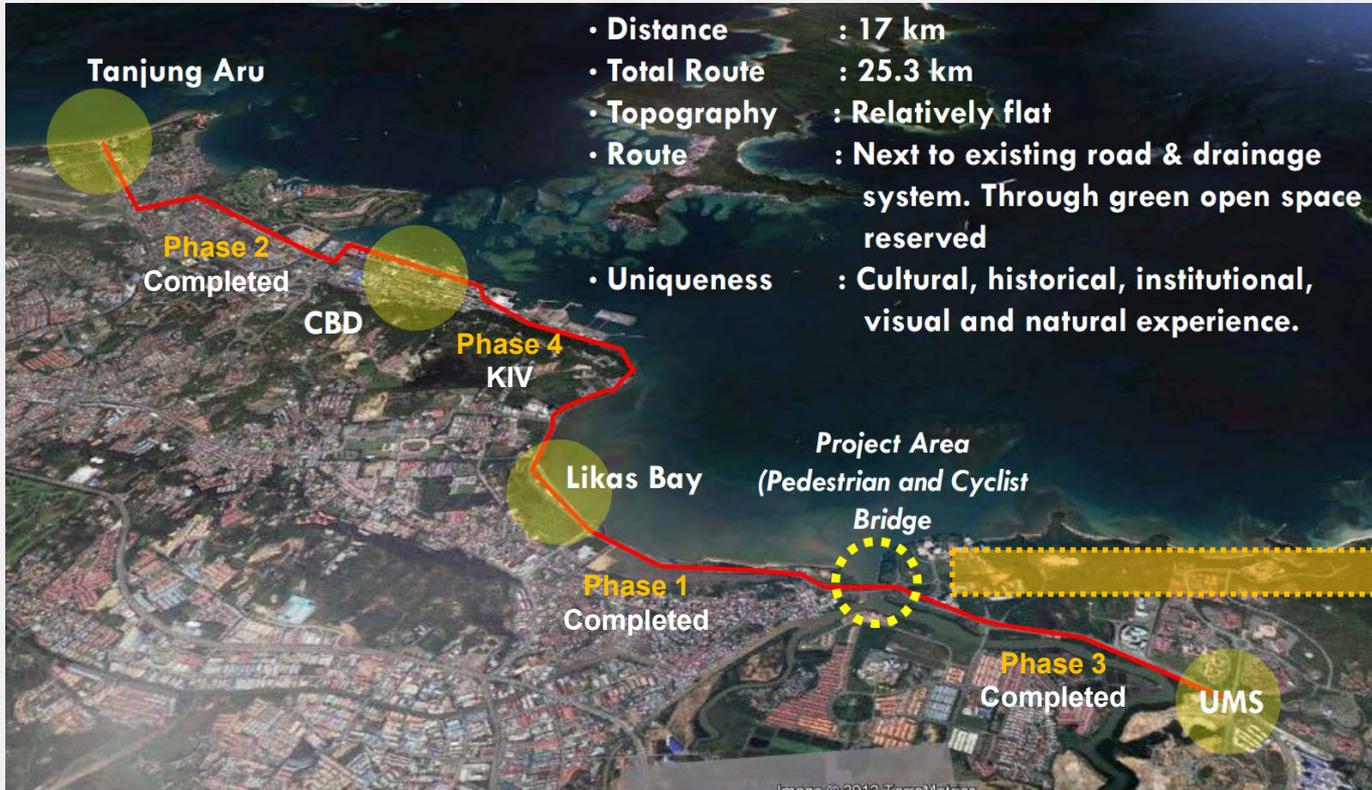
KK Waterfront Masterplan



- Urban Renewal
- Provide Economic Opportunity & Housing
- Create Active Public Space
- Maximise Land use

GOOD EXAMPLE & CASE STUDY

1. Kota Kinabalu Pedestrian & Cycleway Project



The Link Bridge Project (Awarded)



Kota Kinabalu Pedestrian & Cycleway Project

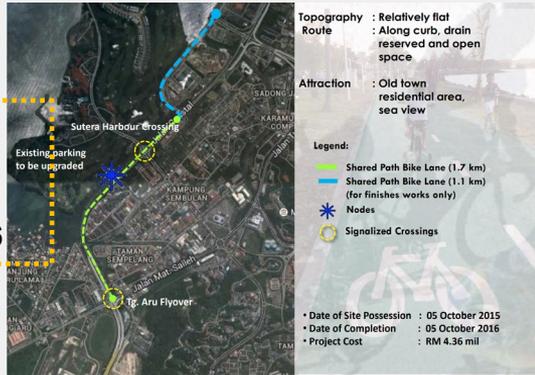
Parcel 1

- 4.3 km
- RM 13.4 mil
- Completed 2014



Parcel 2

- 2.8 km
- RM 4.36 mil
- Completed 2016



Parcel 3

- 15.29 km
- RM 15.29 mil
- Completed 2019



EXPECTATION



Networking Opportunities

Networking and Connecting with Professionals and enthusiasts from various fields related to Smart City. Potential leading to collaboration/partnership



Project Inspiration & Resource Sharing

Learn about successful case study & innovatives. An avenue for sharing resources



Knowledge Enrichment

To gain deeper understanding of the concept, technologies & strategies involve in building and maintaining Smart City - IoT, data analytics, Urban Planning, sustainable etc.

Thank You



We are able to be reached at :

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