



FROM VISION TO REALITY: HOW SARAWAK IS REVOLUTIONISING PUBLIC TRANSPORT

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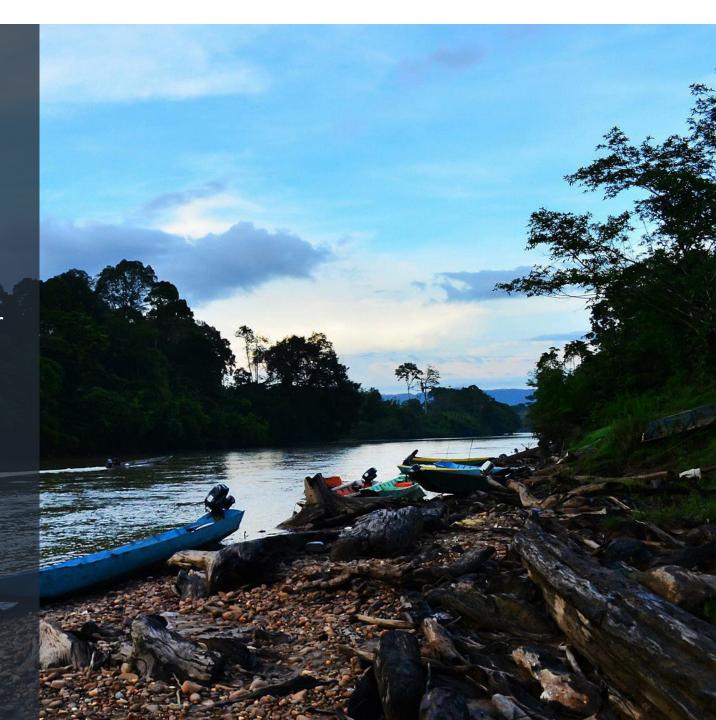
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- 1. Ministry of Transport Sarawak Background
- 2. Challenges in the Sarawak Transport Sector
- Transforming Sarawak Public Transport System
- 4. Way Forward











1. MINISTRY OF TRANSPORT, SARAWAK (MOTS)

Established 22nd August 2019

VISION

A World Class Organization spearheading the development of an integrated, safe, affordable and efficient Public Transport System

MISSION

To strengthen the Public Transport System connectivity which acts as the catalyst for economic development to achieve better quality of life





MINISTER FOR TRANSPORT SARAWAK

DEPUTY MINISTER FOR TRANSPORT I

DEPUTY MINISTER FOR TRANSPORT II

PERMANENT SECRETARY, MINISTRY OF TRANSPORT SARAWAK



LAND TRANSPORT & LOGISTICS DIVISION

Manage land transport and logistics including establishing land transport authority, public transport, road safety and traffic management.



Development of all maritime and riverine transport with respect to safety, security and economic viability of the industry.



AVIATION DIVISION

Develop the aviation industry in Sarawak through policy formulation, economic development, technical development and civil aviation safety.



POLICY FORMULATION & PROJECT MANAGEMENT DIVISION

Plan, implement, monitor and coordinate transport projects in line with international standards while ensuring good governance, timely delivery and with use of technology and green mobility initiatives.



CORPORATE MANAGEMENT DIVISION

Corporate Management
Services including
Communication, Asset,
Procurement and Financial
Management.



LEGAL DIVISION

Support the growth of the transport sector through legal guidance and advice.



SARAWAK



31,780 km road network (Sarawak Land Use Masterplan 2020)



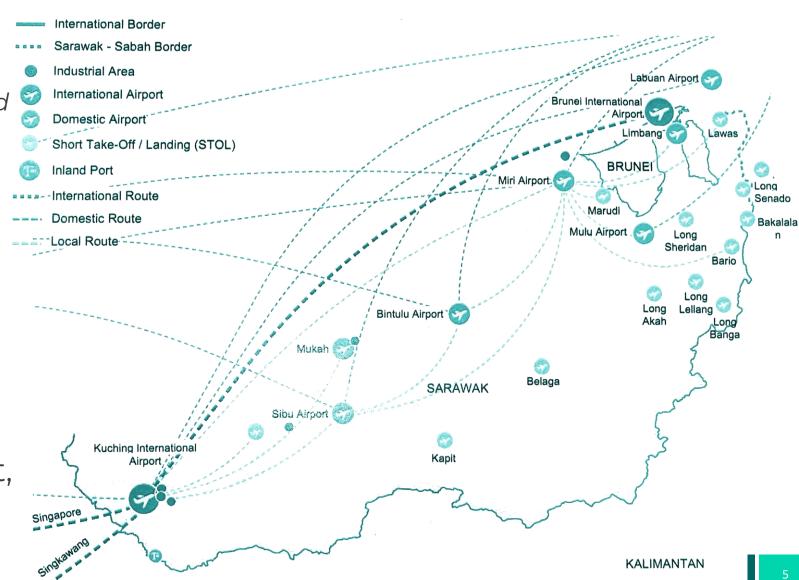
Population 2.47 mil (DOSM, 2021)



55 navigable rivers, length of 3,300 km



Kuching Int'l Airport, 7 domestic airports, 8 STOLports





OUR GOAL







MAIN FOCUS AREA

PCDS 2030 - SARAWAK'S VISION



ECONOMIC GROWTH AND DEVELOPMENT

- Digital Economy
- Project Delivery
- Integrity



SOCIAL INCLUSIVITY

- Rural Development
- Poverty Eradication



- Circular Economy
- Green Technology & Climate Change

PCDS2030 TRANSPORT SECTOR





Aspiration

An integrated transport system that is safe, reliable, affordable, energy efficient and increase in travel choice in Sarawak by 2030

Key outcomes

Reducing travel time and ensuring affordability of transportation cost Providing transportation services that is reliable in terms of time and coverage

Reducing emission through efficiency and use of new technology

Strategies

Collaboration between Government and relevant stakeholders to better ascertain transport demand

Explore potential PPP opportunities to attract private sector investment

Supportive regulatory framework supported by integrated development and transport planning

Catalytic initiatives

River economy

Integrated public transport

Grow the aviation industry

Intermodal transport

Key levers Connect with Key Economic Centres Integrated
Development
& Transport
Planning

Building Trust with Users Adopt Low Emission Technology

Adopt Digital Technology



2. KEY CHALLENGES

PUBLIC TRANSPORT IN SARAWAK

- Limited public transport infrastructure
- Poor connectivity
- Low ridership
- Regulatory framework
- Unique transport requirements







Sarawak Transport Masterplan

- Demand Management approach
- Planning for public transport
- Analyse and review legislation, acts, ordinances, rules, regulations, orders
- Identify and analyse Emerging Trends
- Integrated spatial and transport planning
- Strategy and detailed action plan
- Utilisation of Geographical Information System (GIS)
- Digitalisation and innovation





JOURNEY TOWARDS A **DEVELOPED & PROSPEROUS SARAWAK**

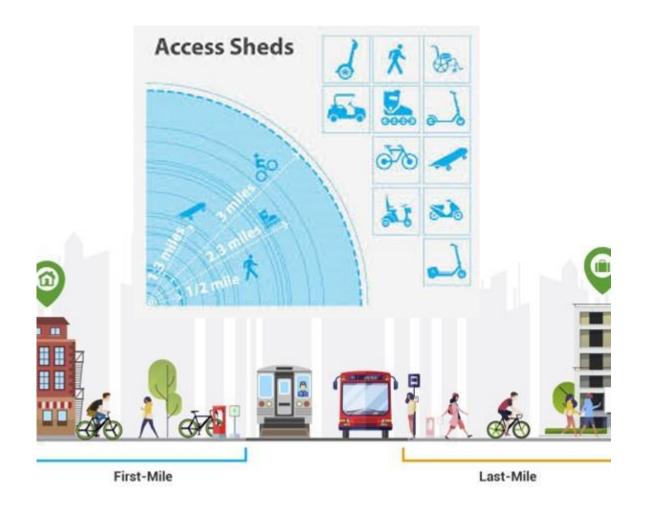
TRANSPORT SECTOR

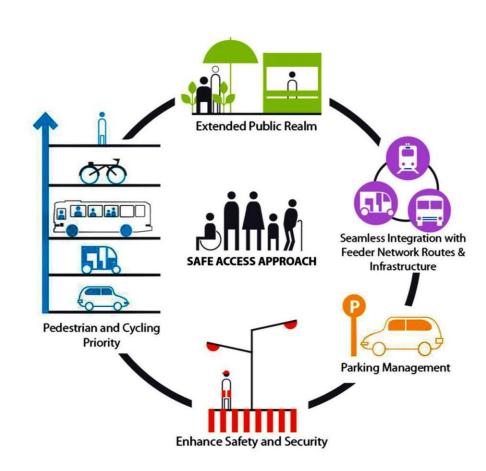
2021	PCDS 2030	2030	Beyond 2030	Future
	Sarawak Integrated Transport Masterplan (2030, 2050)		Development of Urban-Rural Transport System	Prosperous & Developed Sarawak
	Establishment of Sarawak Land Transport Authority		Inter-city Connectivity	
	Autonomous Rail Transit (ART) – Greater Kuching	@-@	Active Mobility Infrastructure	
	Pan Borneo Highway		Smart Mobility	
	Air Connectivity			
	Airport MRO (Maintenance, Repair & Overhaul)			





MOBILITY PLAN: FIRST AND LAST-MILE CONNECTIVITY







MOBILITY PLAN: 20-MIN NEIGHBORHOODS AND 45-MINS METROPOLITAN

What are your indicators for 20-min neighbourhoods? Examples from Singapore (left) and Melbourne (right)



CURRENT TRANSFORMATION





WHAT THE FUTURE PUBLIC TRANSPORT CAN BE





Roads and Streets





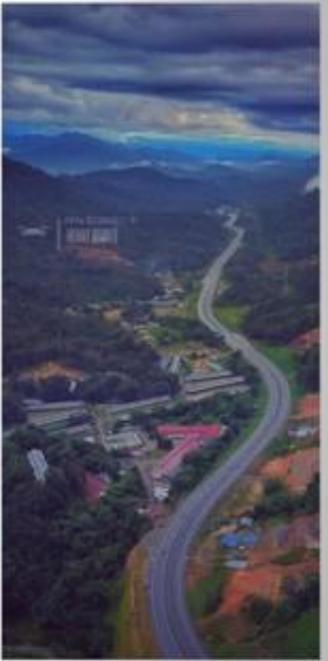


Future Journeys

Rail System

Data Management

Pan Borneo Highway Four-lane, dual carriageway of JKR R5 standard Sulu Sea Safer road travel for 3.4 million people Estimated to cost RM29bil Kota Kinabalu Sandakan Create 400,000 jobs Sabah Completion in 2023 . Sindumin BRUNEI Lahad Datu Toll-free Merapok Tawau South China Bintulu Sea Celebes Sea Sarawak Telok Melano Kuching Sematan Kalimantan Sri Aman Source: Star archive **OThe Star Graphics**



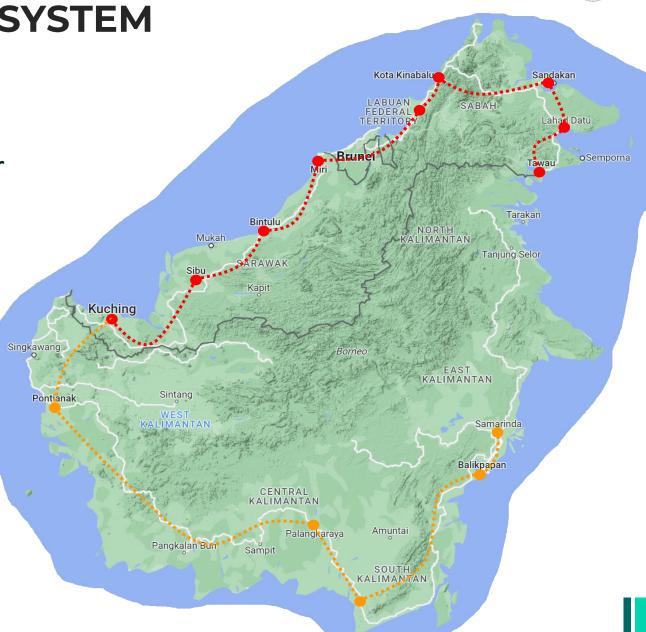


FEASIBILITY STUDY ON RAIL SYSTEM TRANS BORNEO RAILWAY

 A railway network proposed to connect economic centres, ports and airports for the transport of people and goods in Sarawak and Sabah.

For Phase 1, major cities to be included:

- Kuching
- Sibu
- Bintulu
- Miri
- Prospect of connectivity to the Kalimantan Railway Network through Pontianak to other areas in Nusantara Region.







KUCHING URBAN TRANSPORTATION SYSTEM (KUTS)



KUTS - TRANSIT MAP





Blue Line

- REMBUS TO HIKMAH EXCHANGE
- 15 STATIONS (INCLUDE 1 INTERCHANGE STATION) (1 PROV.)
- 27.6KM

Red Line

- KUCHING SENTRAL TO PENDING
- 7 STATIONS
- 12.3KM

Green Line

- PENDING TO DAMAI CENTRAL
- 9 STATIONS (4 PROV.)
- 30KM

Total Length: 69.9km Total Station: 31 (5 Prov.)

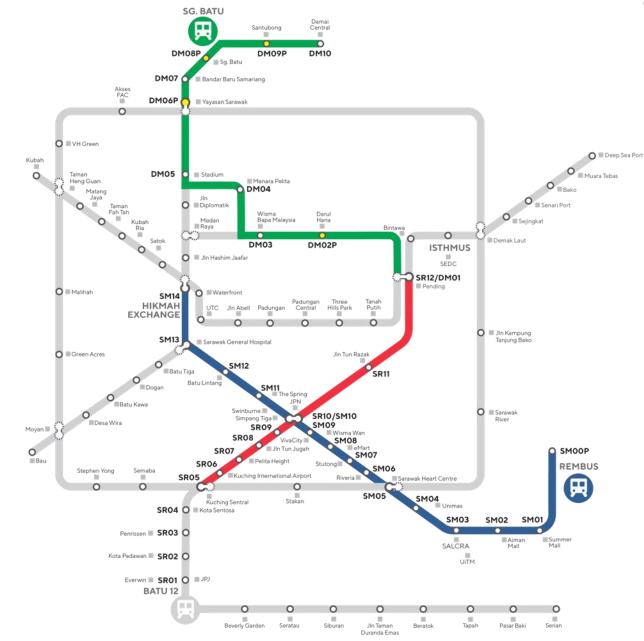
The alignment is mostly at-grade

BLUE LINE (PROV. STATION)

FUTURE INTERCHANGE STATION

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LANDMARK



KUTS ART OPERATION

Autonomous Rapid Transit (ART)

Artist's Impression of ART for proof-of-concept exercise





Max 70 Km/h Average 35 Km/h



Journey Time

Rembus -Hikmah (56min) Kuching Sentral - Pending (32min) Pending –Damai (51min)



Frequency

Minutes



Passenger Capacity

300

Per ART



Operation Hours 0600



Fare

Affordable & Competitive with other TransitSystem



Station Amenities

Washroom at Station& **OKU** friendly



1st Mile & Last Mile

Feeder Busses

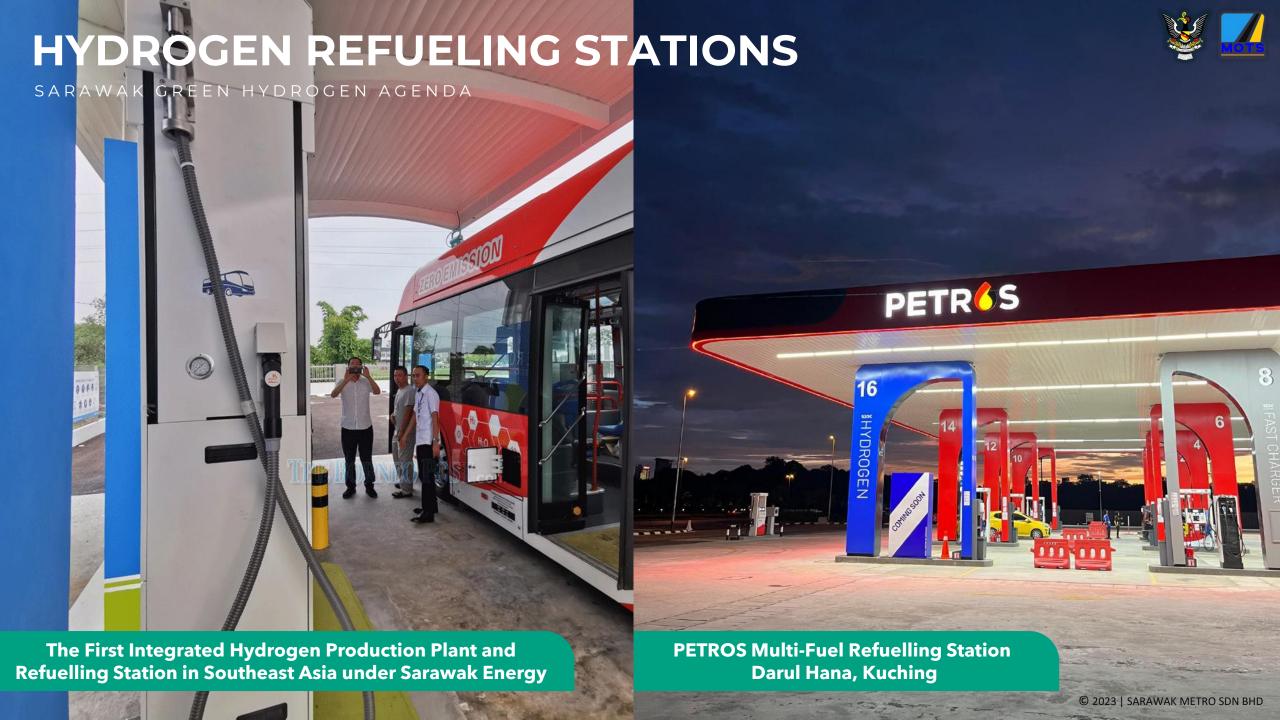
Collaboration with E-Hailing

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4. WAY FORWARD

TRANSPORT SECTOR





THANK YOU

MINISTRY OF TRANSPORT, SARAWAK

http://mot.sarawak.gov.my