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Malaysia / Kuching

Area: 4,195 km² / Population: 684,900 /
Population density: 163.27 / km²



Current status of the city

Kuching is the capital city of the state of Sarawak in Malaysia, located in the northwestern part of the island of Borneo, at the mouth of Sarawak River, facing the South China Sea. The city, a major part of the South China Sea route since ancient times, developed as the capital of Sarawak. Colonial and Malay architecture still remain as part of the streetscape.

Smart city action plan

Vision: Kuching envisions the improvement of the quality of life and achievement of smart city status through digital transformation and the Sarawak Digital Economy Strategy 2018-2022 (Please refer to <https://www.sma.gov.my/page-0-0-16-Smart-City.html>)

Focus area: Mobility, Urban Resilience

Project 1: Smart Mobility - Integrated Smart Traffic Light System

- Ease traffic congestion in the city through smart management of the traffic flow using digital technology
- Plan to expand the project to cover all major urban roads and signalized junctions within the city to coordinate traffic flow with better synchronised traffic lights and provide real-time traffic information.

Project 2: Integrated Flood Management and Response System

- Effectively alert the response team or the Disaster Committee to flooding events to ensure safety of people and property.
- Efficient monitoring and response to flash floods and waterlogging in flood prone areas.

Status of progress

Project 1

- 1.Efforts currently underway - Phase 1 of Smart Mobility is expected to start in September 2019 and last until August 2020, covering 42 traffic junctions.
- 2.Efforts to be made in the future - Future plan is to cover another 100 plus traffic junctions covering greater Kuching City by year 2021.
- 3.Issues or concerns for the project - No implementation issues at the moment.



Project 2

- 1.Efforts currently underway - Currently the project is still in the proposal stage and the implementation of the project depends on the availability of funds.
- 2.Efforts to be made in the future - For the proposed Phase 1 implementation, the department will focus on Kuching City areas and the project coverage area can be expanded to other cities/towns, i.e. Miri and Sibu, in the future, subject to funding availability.
- 3.Issues or concerns for the effort - Selection of strategic locations for installation of flood detection equipment, subject to relevant authority approval.



Chief Smart City Officer

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