



Brunei Darussalam

Updates on Smart City Related Projects

4th ASEAN-Japan Smart Cities Network High Level Meeting
4 December 2022



ASCN Smart City Action Plans' Projects

Smart City Project 1: Revitalisation of Kampong Ayer

Objective

- To redevelop Kampong Ayer into a liveable city with a sustainable environment and a diverse economy with a distinct Bruneian identity.

Project Progress

- Structure Integrity test by Department of Technical Services;
- Census on Population and Income for Kg Ayer Residents by Brunei Muara District Office;
- Identified areas of temporary relocation during construction.

Smart City Project 2: Clean River Management

Objective

- To holistically manage waste found along the Brunei River.

Project Progress

- Daily house-to-house collection of domestic wastes at Kampong Ayer;
- Daily and continuous clearing, cleaning and collection of wastes found along Brunei River including underneath of building structures;
- Installation of floating debris boom.

ASCN Smart City Action Plans' Projects

Smart City Project 3: National Information Hub

Objective

- A data sharing platform to enable secure sharing of common data within the Government.

Smart City Project 4: Digital Identity

Objective

- A platform to issue a unique credential and verify an individual's identity for digital transactions.

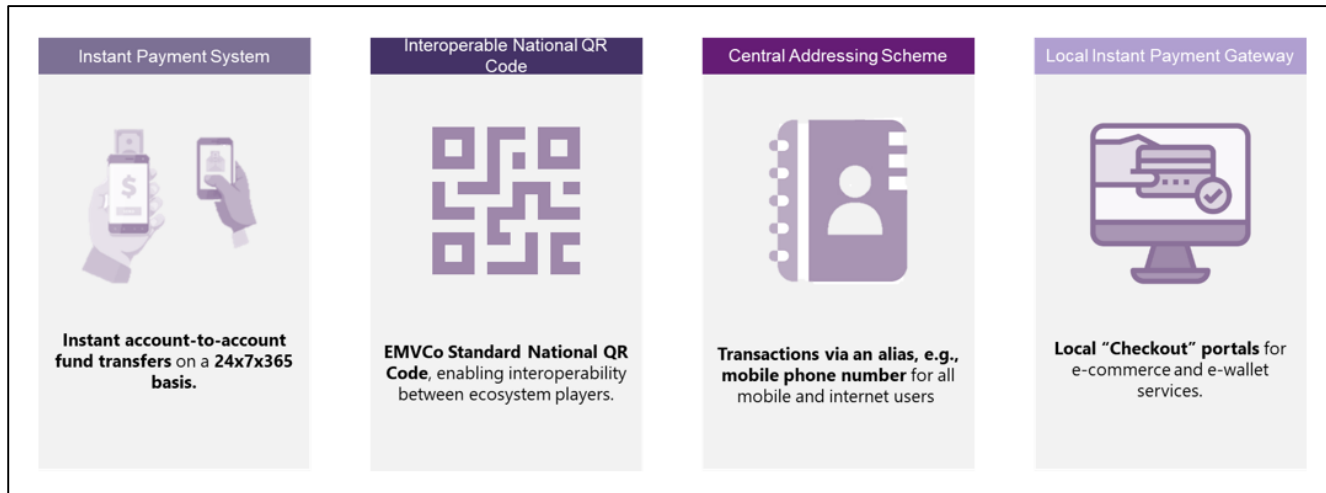


ASCN Smart City Action Plans' Projects

Smart City Project 5: Digital Payment

Objective

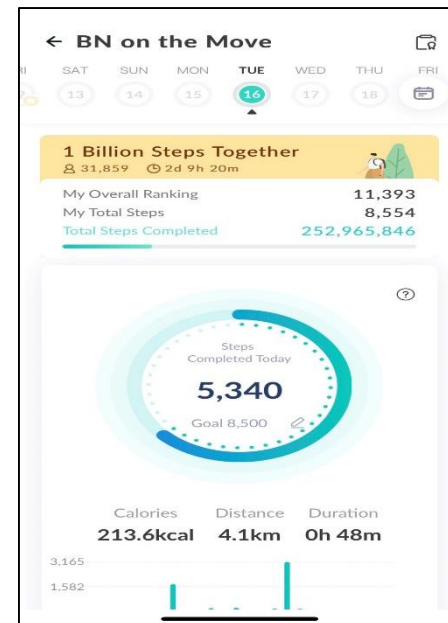
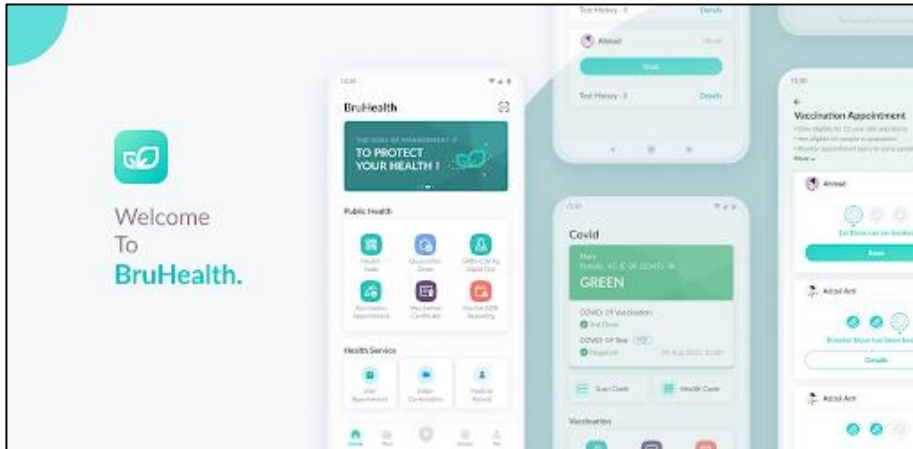
- A platform to support secure, instant and cost-effective mobile payments.



Other Projects Related To Smart City Development

BruHealth Mobile Application

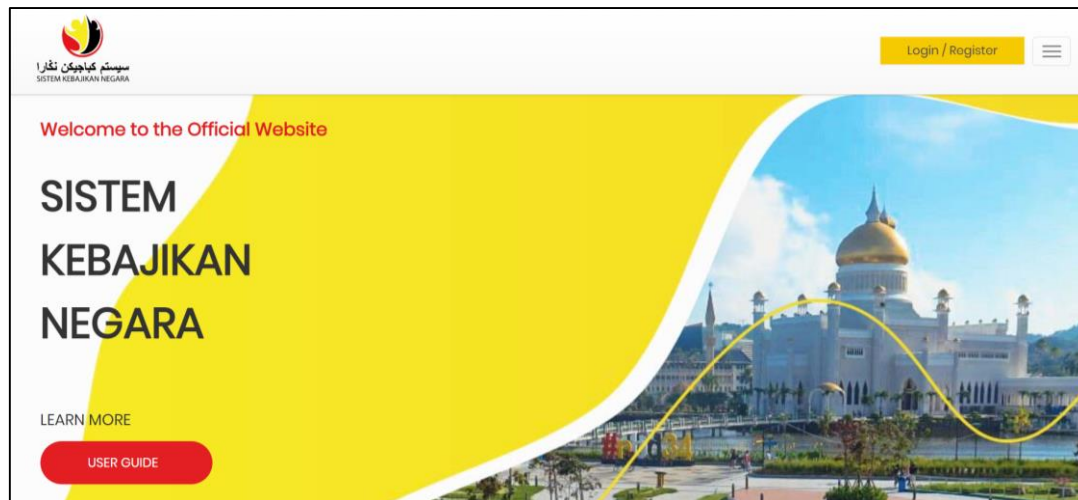
- Introduced in 2020 as a contact tracing app;
- Recent upgrade evolved to a healthcare app and also allow users to plan activities for healthy lifestyle or health plan;
- BN on the Move, a three-month-long 20 Billion Steps Together Challenge campaign, was launched in October 2022.



Other Projects Related To Smart City Development

National Welfare System

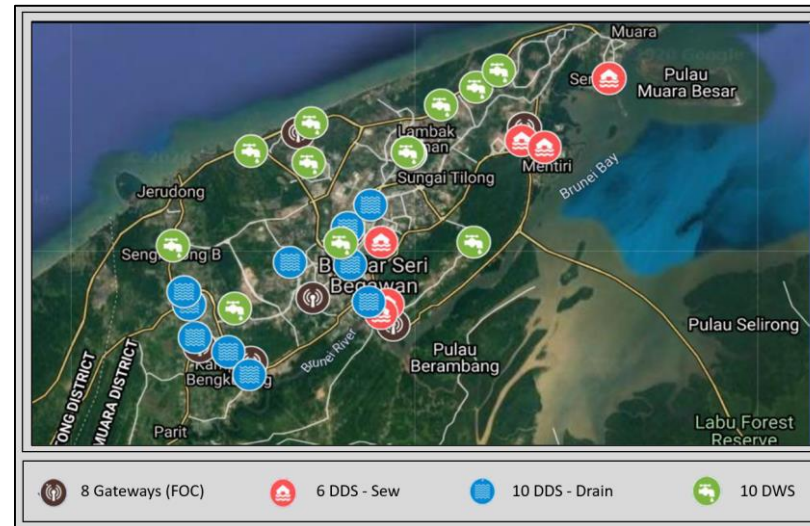
- Introduced in 2020;
- A centralized welfare system for online applications to existing welfare assistance schemes and data sharing between relevant agencies;
- To further strengthen data-driven policy formulation and intervention programmes on welfare and poverty eradication.



Other Projects Related To Smart City Development

Sensor Analytics Platform

- An Internet of Things solution including sensors, devices, platform and application to manage key public infrastructure.
- This includes:
 - River Monitoring;
 - Sewerage Network Monitoring; and
 - Water Network Monitoring.



Smart JAMP: Pilot Bus Passenger Information System

Background on Public Bus Services:

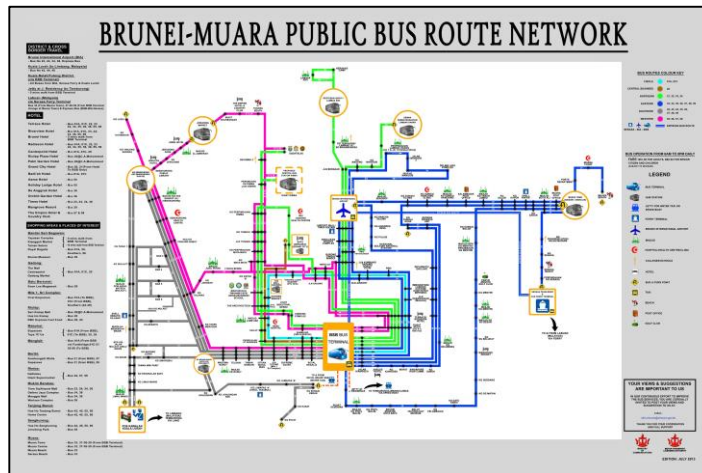
- 11 companies are currently operating public bus services:

Intra-district

- 5 companies for Brunei-Muara District;
- 1 company for Belait District.

Inter-district

- 5 companies for Seria to Bandar Seri Begawan route.



Smart JAMP: Pilot Bus Passenger Information System

Current Issues Faced by Public Bus Services:

- Lack or absence of public bus service information such as schedules, route information and frequency;
- Needs improvement in reliability, frequency and comfort levels;
- Inconsistent public bus services;
- Unsatisfactory bus stops conditions.



Smart JAMP: Pilot Bus Passenger Information System

Objective:

- To improve the quality of public bus transport facilities through digitalisation.

Project Scope:

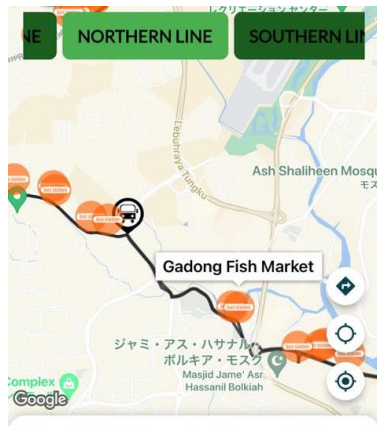
- Visualisation of vehicle location;
- Visualisation of arrival time;
- Optimal bus schedule (infrastructure, data accumulation, analysis and planning).

Project Details:

- From December 2022 to March 2023 (4 months);
- 6 lines (Southern Line, Eastern Line, Circle Line, Central Line, Northern Line and Western Line – Total 28 buses);
- 800 bus stops that are currently in operation.

Smart JAMP: Pilot Bus Passenger Information System

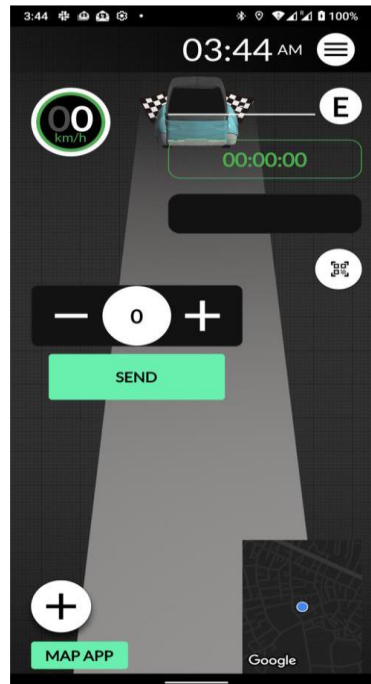
Passenger App



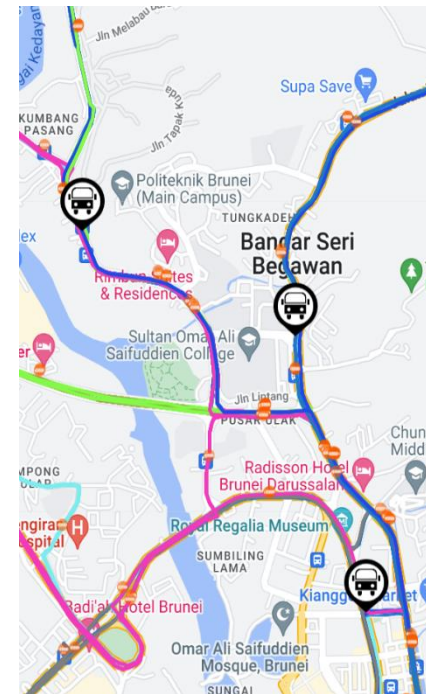
NORTHERN LINE 22

- GADONG FISH MARKET**
ETA 3 minutes.
- KIULAP / EMBASSY OF JAPAN.
- JAME' ASR HASSANIL BOLKIAH
MOSQUE (NEW MOSQUE)

Driver App

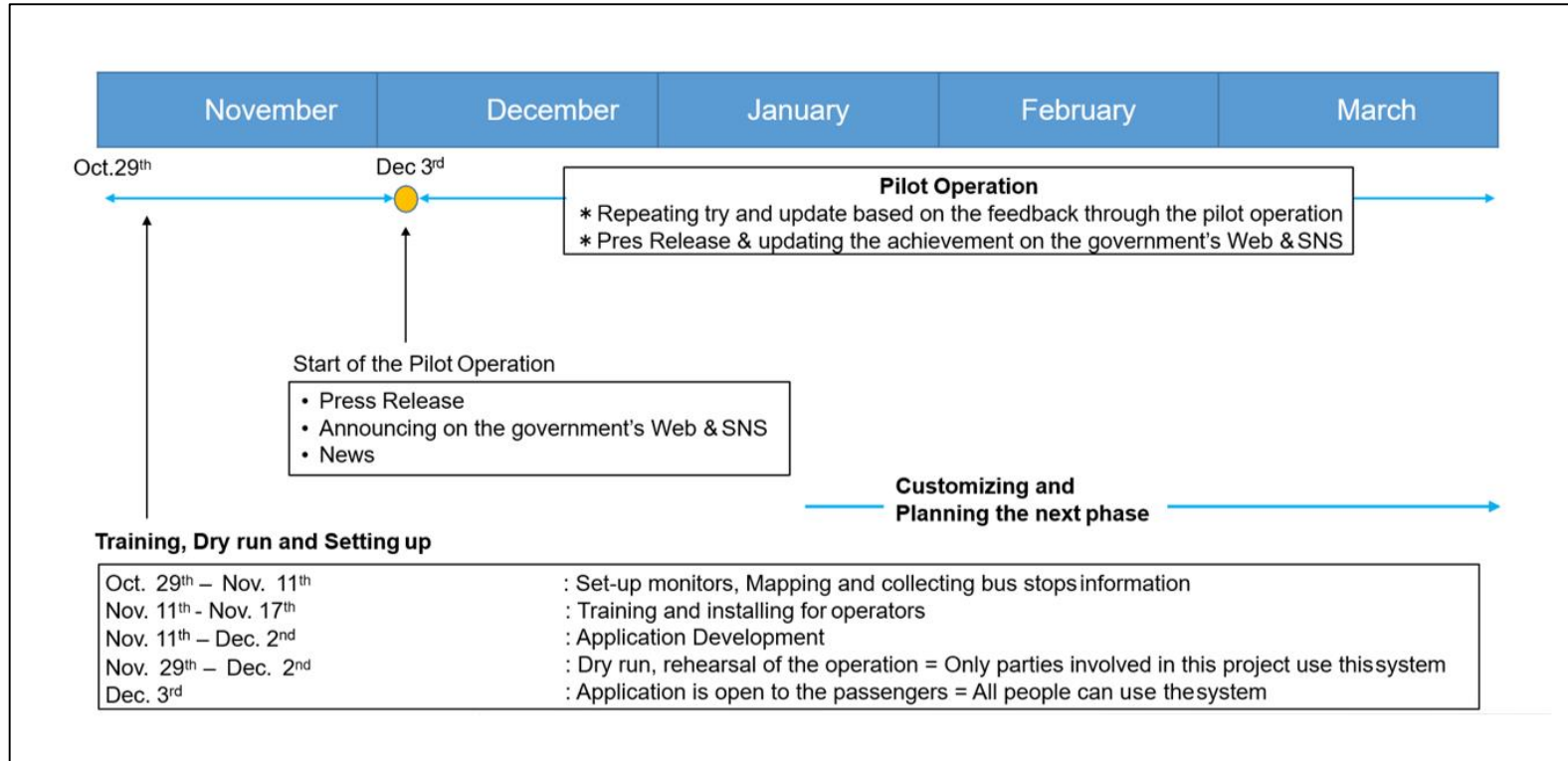


Operator App



Smart JAMP: Pilot Bus Passenger Information System

Project Timeline:



THANK YOU

