MLIT's Smart City Overseas Expansion Initiative

“Smart JAMP” Progress and Results Showcase and Future Prospects

10 November, 2025

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Agenda

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AGENDA 2 Overview of Smart JAMP and Past Initiatives

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History of ASEAN Smart Cities Network (ASCN) and Japan's Cooperation

2018 — Establishment of ASCN

2019 — 1st ASEAN-Japan Smart Cities Network High Level Meeting

Establishment of JASCA (Japan Association for Smart Cities in ASEAN)

2020 — Launch of Smart JAMP

2022 — Publication of ASEAN Smart City Planning Guidebook

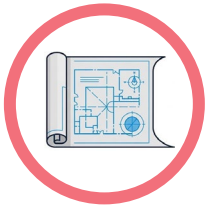
2025 — 7th ASEAN-Japan Smart Cities Network HLM

Date: 10-11 November, 2025
Venue: Kagawa International Conference Hall
Theme: Inclusivity

TODAY!

A Japan-ASEAN initiative to solve urban challenges with smart solutions

Our Approach: The Four Pillars of Support



Develop Projects

Share & Cooperate

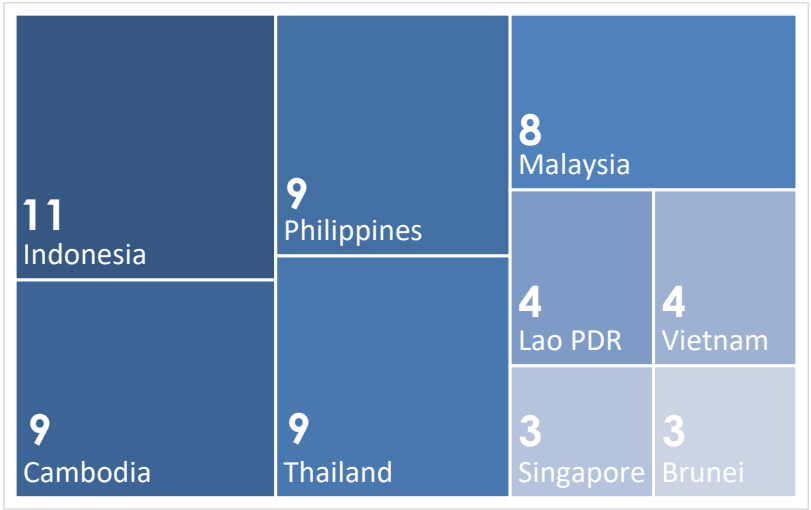
Strengthen Local Support

Financial Support

Overview of Smart JAMP and Past Initiatives

https://asean.org/our-communities/asean-smart-cities-network/

Fifty (50) projects have been conducted since 2021 in the following countries (as of August 2025)



Note: Some projects were multi-country.

Overview of Smart JAMP and Past Initiatives

MLIT Government Projects

Smart JAMP

1. Malaysia
Smart Traffic & Disaster Prevention Study

2. Indonesia
Adaptive Value Utilization Study

3. Indonesia
High-Frequency Ground Monitoring Study

4. Vietnam
Airport Info Integration System Study

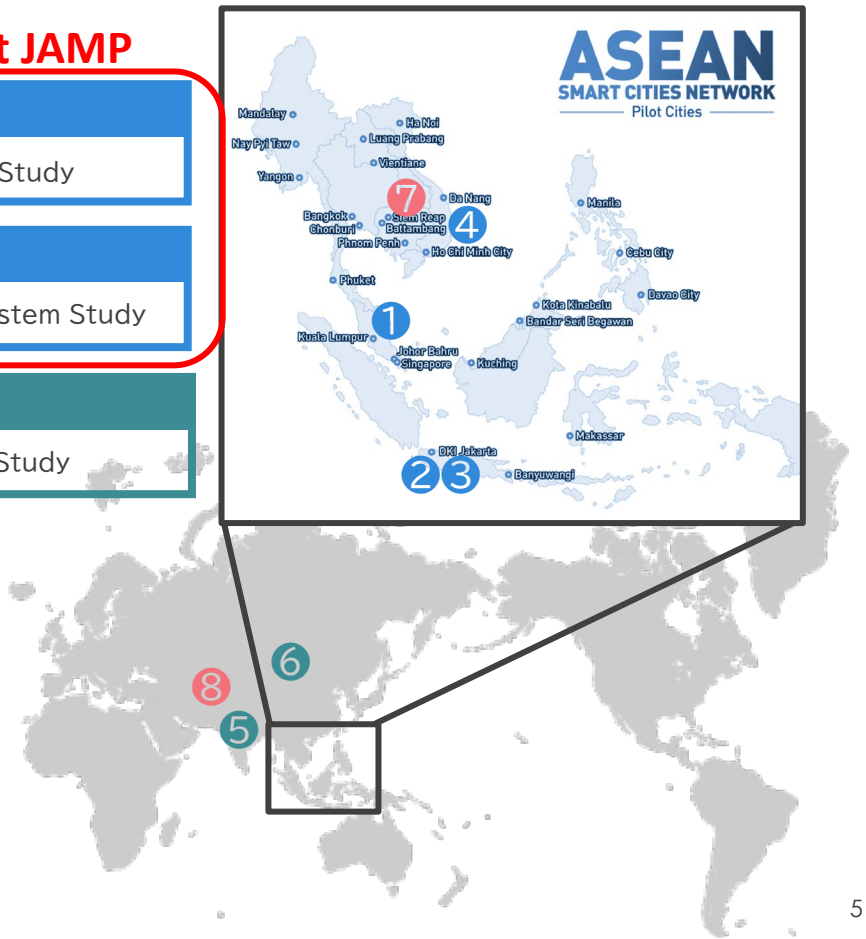
5. India
Japan-India Smart City Cooperation Study

6. Mongolia
Urban Drone Logistics DX Study

MLIT Subsidized Projects

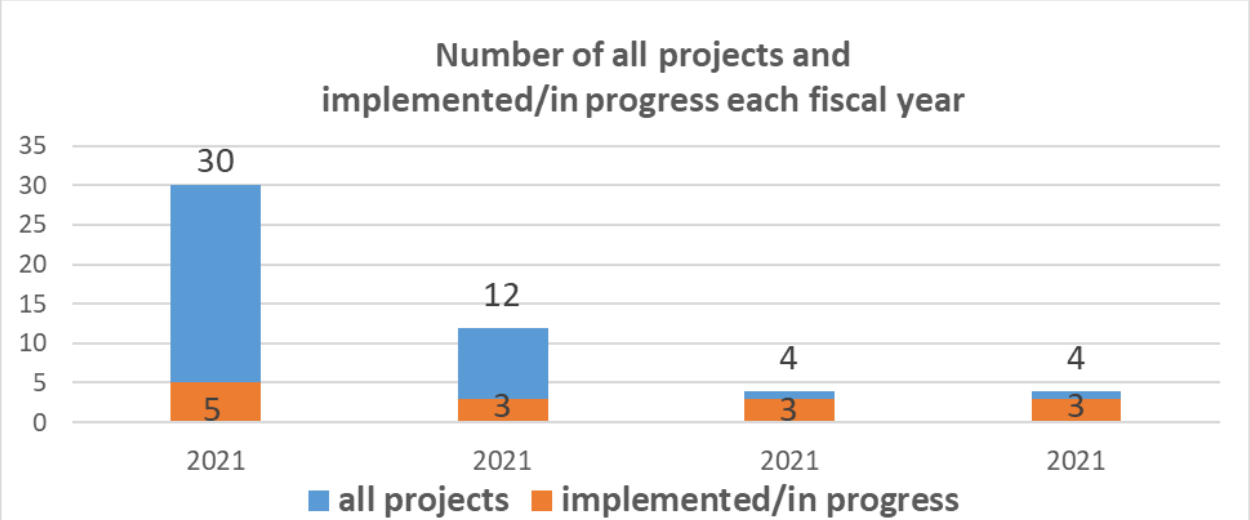
7. Cambodia
Flood Prediction & Traffic Relief via Smart City Tech

8. Uzbekistan
Next-Gen Road Management Platform Localization



○Follow-up was conducted on the progress and current status of 50 projects implemented by Smart JAMP from FY 2021 to FY 2024.
○When interviews were conducted, projects in progress towards implementation and projects already being implemented were totaled, resulting in **14 projects** in progress or being implemented.

・In Smart JAMP, the number of projects implemented is reduced every year, but the number of projects being implemented or in progress has not decreased.
・Carefully selecting themes and regions makes it easier to match proposed projects with local needs.



*The number of projects implemented or in progress is as of FY2024.

< Points Evaluated>

・Although it is a small project, it is meaningful in the sense of making connections.

・It is effective as an approach to countries graduating from ODA.

< Requests for Improvement and Future Issues >

・Host government's lack of funds for infrastructure development

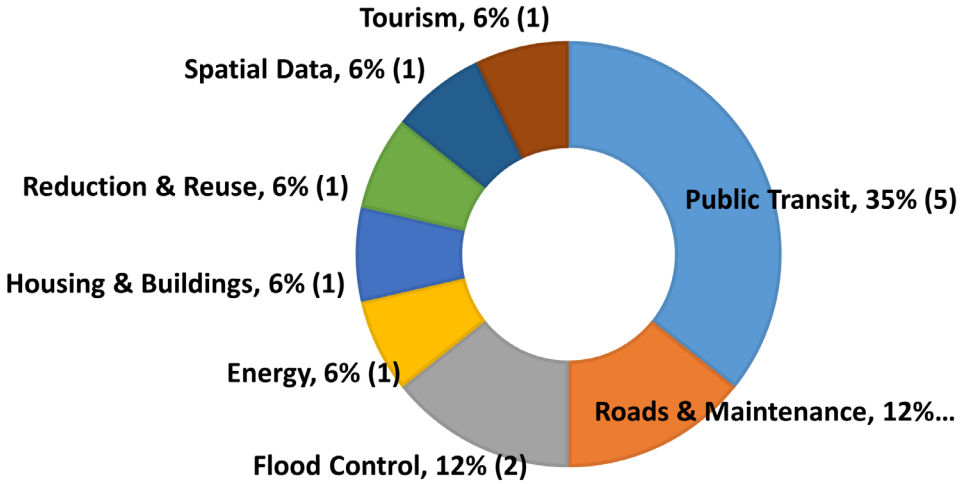
・Very difficult to establish local financing schemes

・Difficult to achieve results in a single year

Results of All Smart JAMP Follow-ups
(trends in Smart JAMP projects currently in progress or already implemented)

Of the 14 projects in progress or already implemented, **approximately 35% (5 projects) are related to public transportation system development (all involving buses).**

Due in part to the growing interest in public transportation, use of smart technologies in bus operation management in Japan may be drawing attention.



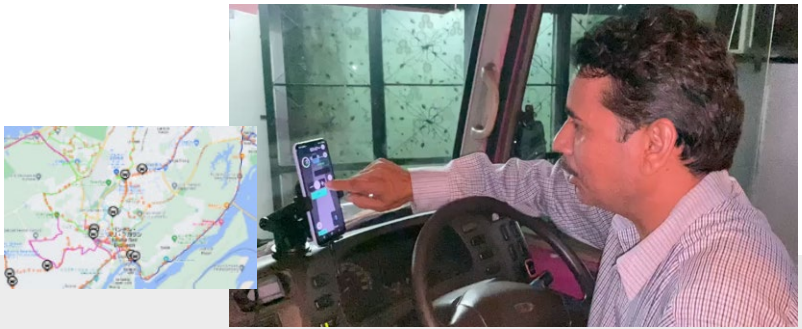
Feasibility Study on Bus Operation Management System

Bandar Seri Begawan, Brunei Darussalam

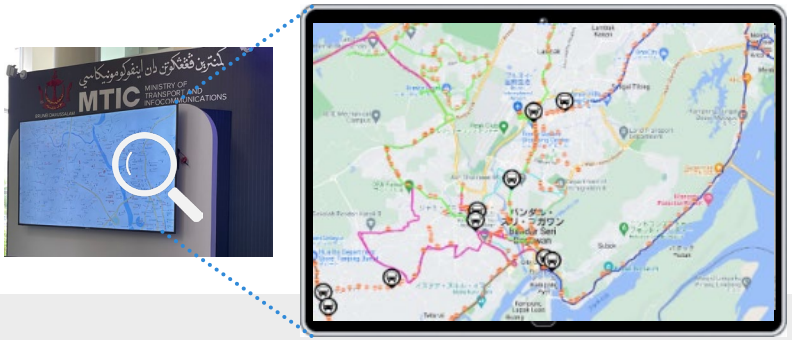
To promote the use of public buses, an operation management system, including monitoring of bus location information, etc., has been proposed and is being piloted.

Support for digitalization of bus operations

- ・Display of real-time bus locations
- ・Guidance of arrival times at bus stops
- ・Data analysis of usage and operation status
- ・Monitoring of drivers' driving status



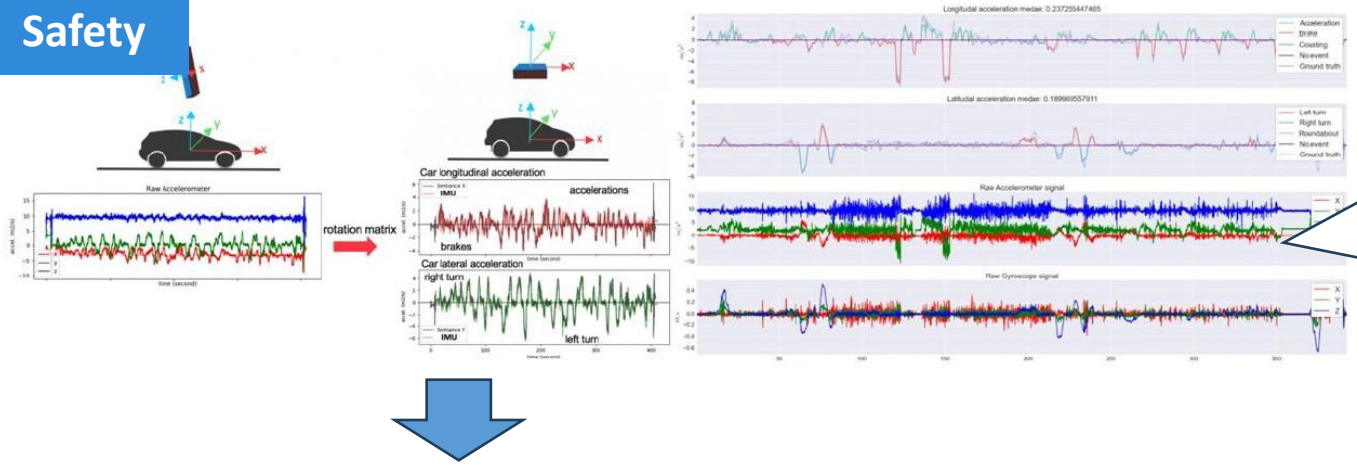
App usage by drivers



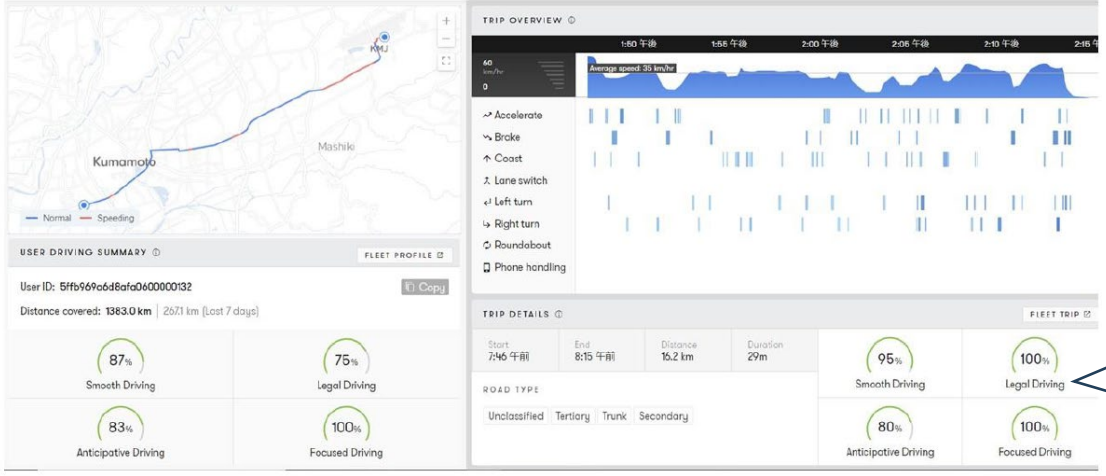
Monitor installed in MTIC (left) and real time bus information display by monitoring system (right).

Smart JAMP Representative Examples and Results of Public Transportation System Development

Safety

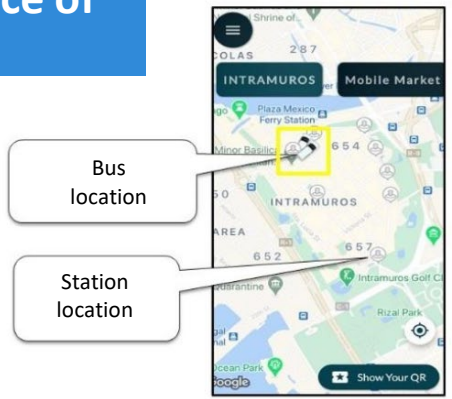


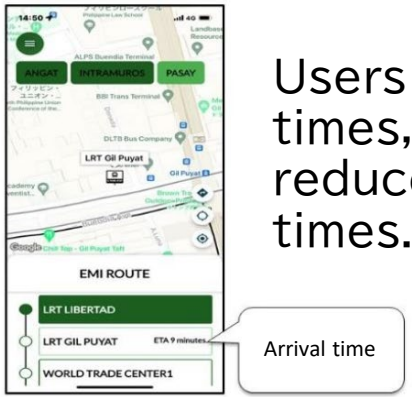
Uses proprietary smartphone application to record and analyze drivers' driving trends.



Evaluates driving safety and compliance with legal speeds. Used by bus operators for driver management.

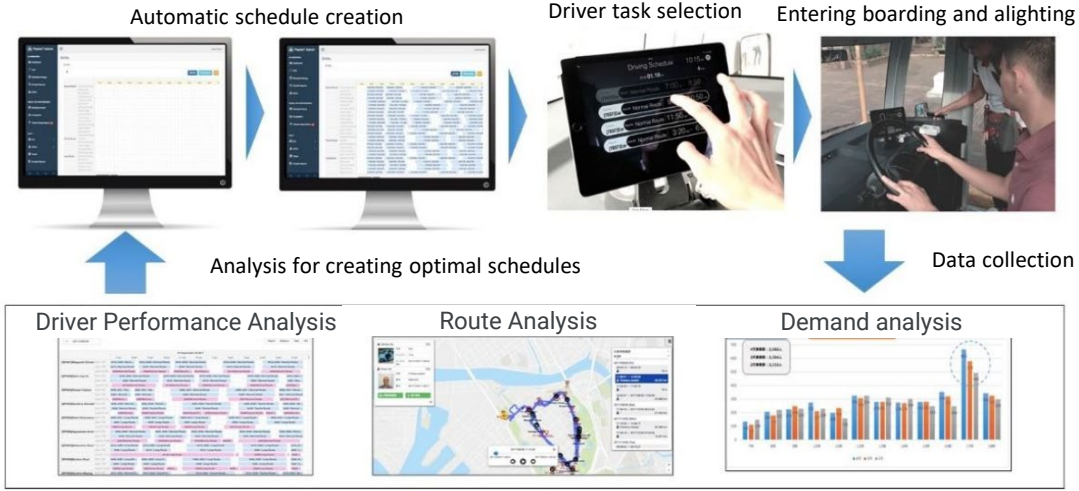
Improved convenience of bus services





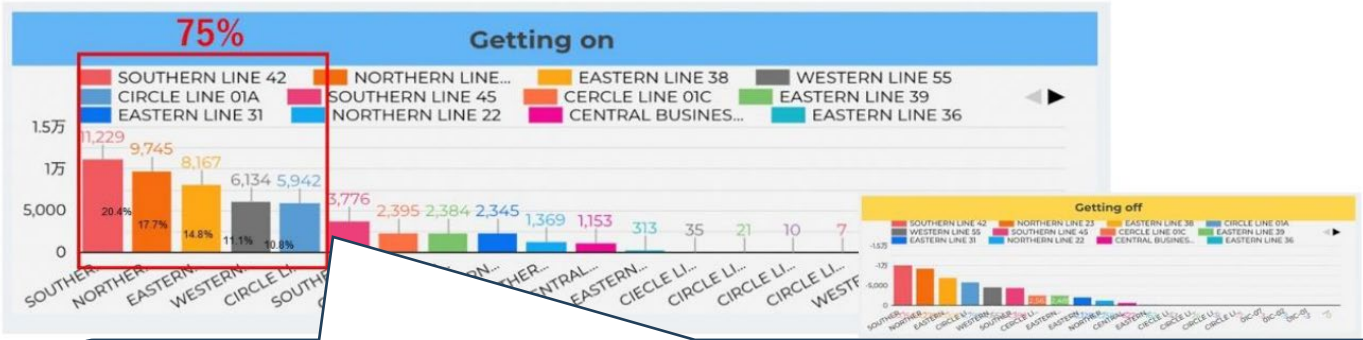
Users can check arrival times, enabling them to reduce unnecessary wait times.

Administrators can plan services according to current demand and traffic conditions.



Usage

Although the Central Business Line is a major route in the city center, the number of users is small.



These five routes account for 75% of users, showing a conspicuously uneven distribution of users.

Items to be verified in demonstration experiment

○Improvement of bus operation efficiency

・Unevenness in frequency of use and number of passengers getting on and off at each bus stop
・Management of bus stop conditions to improve maintenance efficiency

○Improvement of safety

・Use of driver performance indicators and their reflection in driver education
・Prevention of fraud

○Improvement of passenger convenience

・Enhancement of apps and increase in the number of users
・Improvement of comfort
(reduction of waiting time and improvement of riding environment)

(Reference) Results of interviews with stakeholders (as of September 2022)

○Brunei Ministry of Transport and Communications

・There are public transportation services such as taxis in addition to buses, and illegal taxis are also being eliminated.
・We would like to enhance smart bus shelters and improve route searching functions.

Image of Smart Bus Shelter

○Brunei Land Transport Authority

・Due to the COVID-19 pandemic, the financial situation of bus operators became extremely difficult.
・Since buses are the backbone of public transportation in Brunei, we are looking for ways to rebuild the system.

○Bus Operators

・Due to the COVID-19 pandemic, many workers from overseas, who are the main users of buses, have returned to their home countries, which was one factor leading to the decrease in the number of bus services. There is also a shortage of bus drivers, as many of them are workers from overseas.
・Unless the value of using bus services is increased, the bus business may go bankrupt.
・At a management-level meeting, we discussed ways to improve the efficiency of bus operations by using digital and IT technologies.

Future Outlook

2024

Progress survey of operators

Progress report and data presentation including Brunei's bus operation management system

2025

ASCN member country hearings

Based on in-depth analysis, projects are planned to further deepen mutual partnerships between ASEAN and Japan

Future

Implementation of Smart JAMP projects with broader ASEAN regions and themes

Thank you for your attention.