



Smart JAMP(2021) Survey on public transportation (Implementation of bus systems, etc.) for the smart city realization in Bandar Sri Begawan, Brunei Darussalam

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| Target Area | <ul style="list-style-type: none"> Bandar Sri Begawan, Brunei Darussalam |
| Background and Purpose | <ul style="list-style-type: none"> Brunei is one of the most car-oriented countries in the world, therefore, public transportation is not well developed. The only form of public transportation, buses have not yet become widespread. There are also concerns about future traffic congestion due to the increasing number of vehicles, as well as the need for transportation for children to/from school due to the recent shift to nuclear families. Brunei has formulated a national vision called "Wawasan Brunei 2035" to achieve sustainable economic growth. From its perspective of reducing greenhouse gas emissions, one approach is to build "public transportation system (including smart bus shelters) to efficiently operate buses, and to shift away from a transportation system that relies on private cars. Thus, it will be finalized a proposal for "public transportation system (including Smart bus shelters)" that is suitable for the local and utilizes Japanese technology, and a demonstration plan will also be prepared. |

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| Related Organization | <ul style="list-style-type: none"> Ministry of Transport and Info-communication (Smart Nation Office and Land Transport Office) |
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| Project Stage | <ul style="list-style-type: none"> Pre-feasibility study |
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| Contents and Results | <ol style="list-style-type: none"> <u>Identifying the current situation and issues</u> <ul style="list-style-type: none"> Interviews with the local government and local companies (transport operators, etc.) were conducted to survey current bus service situation. Clarified issues for efficient bus operation such as fixed-time & fixed routes and on-demand services, etc. Confirmed the consistency with other related policies in Brunei. <u>Considering introduction of the bus management system and smart bus shelters</u> <ul style="list-style-type: none"> Interviews with Japanese companies who own related technologies were conducted to collect information Proposed the traffic management system and its related technologies that Japanese firms own. <u>Proposing an action plan</u> <ul style="list-style-type: none"> Identified the area for experimental demonstration including the city central, hospitals and schools where people gather, and formulated a plan for the demonstration such as selection of routes and the number of bus units. Schedule, finance, and the project organization for this project were considered for future development. |
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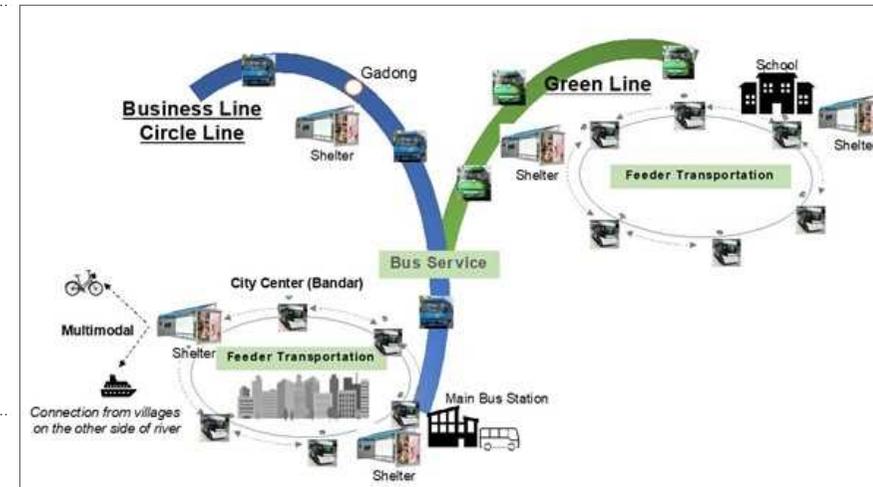


Figure1 : Overview of the planned demonstration experiment

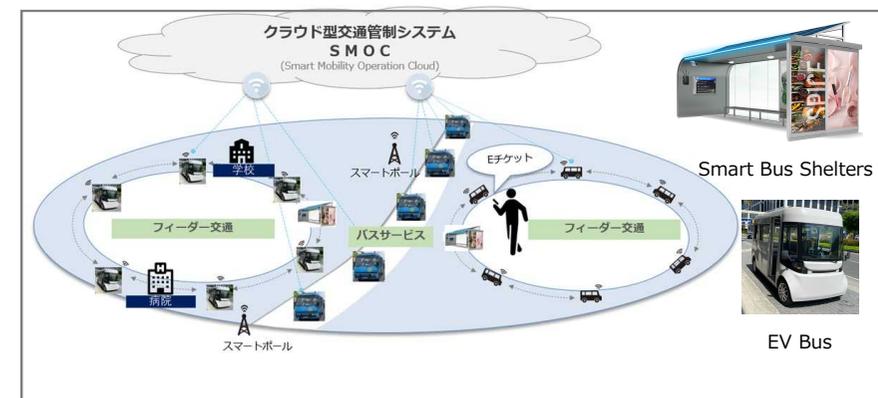


Figure2 : Image of IT-based public transportation