

# Summary of SIP-adus Project (FY2017)

**Name of the project**

Automated driving services based on “Michi no Eki” (roadside station) in rural areas

**Responsible Organization**

Road Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT)

**Name**

**Object of the Project**

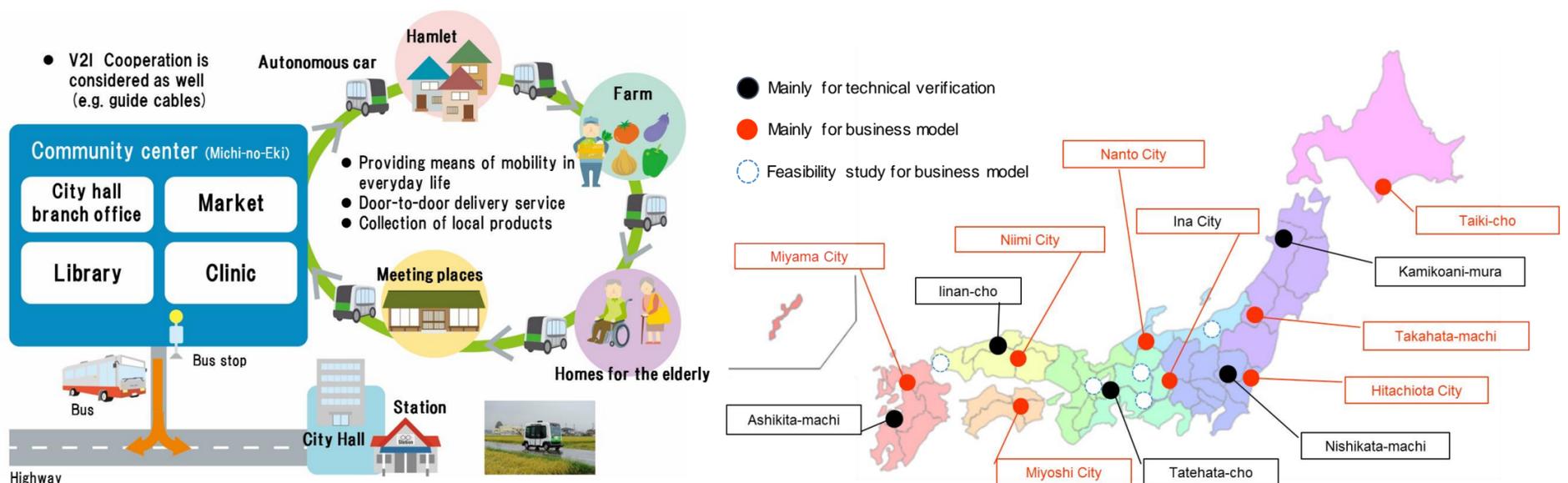
In Japan, due to aging society, securing mobility for people and goods, especially in rural areas, are one of the most serious problems. The project aims for providing means of mobility in everyday life with automated driving services in rural areas. These services are carried out based on “Michi no Eki.” Michi no Eki is roadside stations designated by MLIT. MLIT has the goal for deploying automated driving service around 2020.

**Project Summary**

MLIT had conducted this project at 13 locations nationwide last fiscal year. The object was to verify two aspects: technology and business model. Projects at the five locations mainly focused on technical verification and the others business model. Also, feasibility study for business model was conducted at additional five locations.

Four types of automated driving vehicles were prepared by private sector companies, in response to MLIT’s call for proposals. These vehicles differ in terms of automated driving system, the number of vehicles occupants, the vehicle’s driving performance and so on. Vehicles that are suited to each testing location were selected and tests were implemented.

Vehicle to Infrastructure (V2I) cooperative technologies are being used for two types of vehicle, a cart-type and a bus-type. These two types of vehicles are operated by detecting electromagnetic guidelines or magnetic markers embedded in the pavement. Since roads is narrow and steep in rural areas, it is difficult for automated vehicles to run without V2I communication. Therefore, these two V2I cooperative technologies are very useful. Concurrently with the pilot projects, a study of business models are also conducted.



**Future plan**

- 2017  
The project started in September 2017  
The tests conducted at 13 location nationwide
- 2018  
Sophistication of the project and conducting long-term tests  
Interim report of the study of business models
- 2019  
Deployment of automated driving services in rural area
- 2020  
Launch of automated driving services in rural area

