

**"Smart Island Promotion Demonstration Survey Project 2020"
in Awashima Island Mitoyo City Kagawa Prefecture
is kicked off.**

The project starts as one of plans of the Ministry of Land, Infrastructure, Transport and Tourism from October 2nd and it aims to solve problems of remote islands by introducing new technologies.

1. Organization of project

The project is consisted of an organization named "Mitoyo City Awashima Smart Island Promotion Council". The representative organization is Mitoyo City and participant organizations are as follows.

Aioi Nissay Dowa Insurance Co., Ltd

Anabuki Enter Prise Inc.

Denno Kotsu, Inc.

Kagawa Medical Association

Kamomeya Inc.

Kozuka Laboratory, Faculty of Law, Kagawa University

Melody International, Ltd.

Mitsui Bussan Automotive Inc.

Remote Island Medical Welfare Research Conference, Kagawa Saiseikai

Seto Inland Sea Regional Research Center, Kagawa University

Ubiden, Inc.

2. purpose of project

Awashima has no public transportation service. Therefore, islanders who don't have own car have been very inconvenient, because they have been forced to go to center of the island or clinics on foot or on ship. On the other hand, Awashima is also an island where regional revitalization is progressing with the key-words "art and environment", such as the holding of the Setouchi Triennale and the cooperation agreement with the general incorporated association TARA JAPAN.

The project aims to establish a sustainable island infrastructure from the perspectives of "movement", "medical care" and "logistics", and to create an environment where the islanders are able to continue to live affluently, and to revitalize the remote island areas.

Awashima may be to say a microcosm of the future of Mitoyo City. So, the project objective is also to demonstrate the creation of multi-polar decentralized network that Mitoyo City expectations, and to survey the living infrastructure necessary to creating the town suitable for new lifestyle, such as "With Corona".

3. Outline of efforts

(1) Establishing mobility in the island by using Green Slow Mobility (GSM)

The project will carry out the demonstration operation of GSM to secure the move in the island, by setting up stops of GSM at Awashima Port, clinics, villages, etc. At the same time, by equipping with a vehicle reservation-operation management system, it will carry out the demonstration of advance reservations, as well as analyzes driving data and user movement data.



In addition, since GSM runs on electricity, which is generated by solar panels at Awashima, it is able to realize environmentally friendly transportation infrastructure suitable to Awashima.

(2) Establishing transportation services with new communication infrastructure

Toward aiming to create unmanned aerial transportation system in future, the project will demonstrate the transportation of medicines and foods by unmanned drone.



In addition, the project will verify the communication infrastructure, also considering the provision of information in the event of a natural disaster, suitable for remote island.

(3) Establishing new medical system by using ICT

To ensure the health, safety and security of the islanders, it needs to conduct online conversations and medical treatments with doctor at hospital of mainland side, when doctor is absent at the clinic of island side. For this, the project will demonstrate a telemedicine system such as online medical care including medication.

