Kamishihoro Town

Sustainable town for the future

Mitsugi TAKENAKA, Mayor of Kamishihoro Town, Hokkaido Prefecture, Japan

Outline of Kamishihoro Town

Kamishihoro Town

Population	**4,949** (2021)
Number of Cattle Fed	**47,333** (2021)
Total area	**696** km^2

Food self-sufficiency rate

3,500 %

Biogas power generation self-sufficiency

100 %

Raw milk production

137,000 t/year

Economy

Create jobs and relevant populations through regional economic revitalization

Society

Implement next-generation, advanced technologies to make resident lifestyles more convenient

Environment

Establish both carbon neutrality and convenience/regional resilience

Sustainable community development that balances these three factors and is based on the realization of a smart town and zero-carbon policy

Kamishihoro MaaS Project

03

On-demand transportation

Visualize vacancies and make life more convenient for residents

<From September 2020>

Shift from fixed-time, fixed-route operations to on-demand operations (advance reservation system)
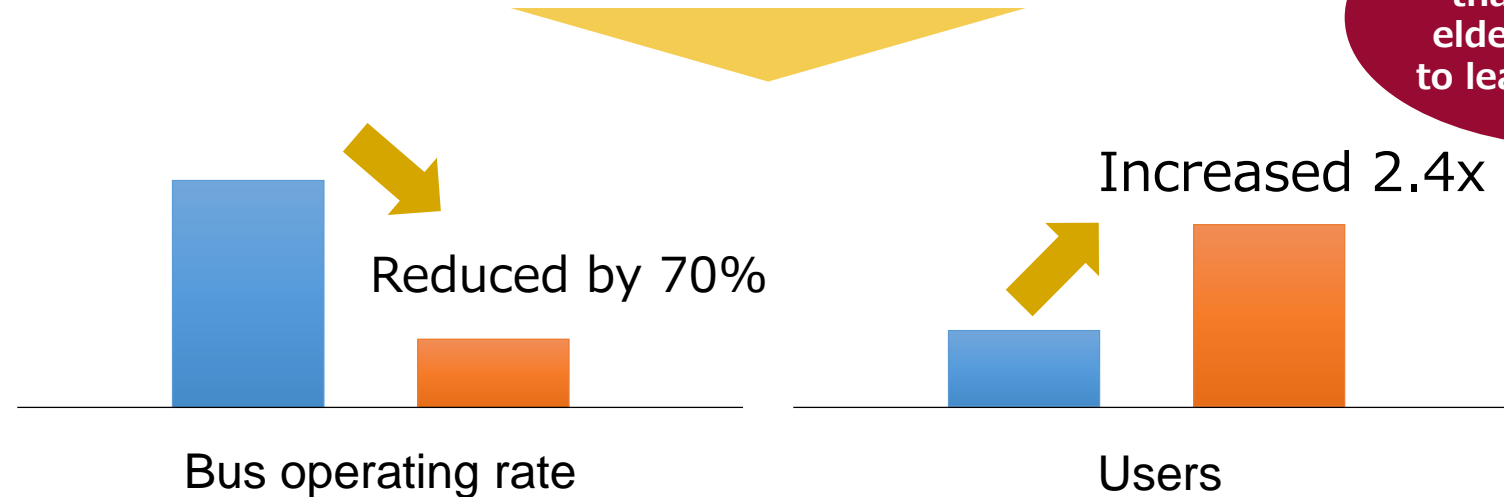
Expanded dates / times of operation
Home pick-up and drop-off

Simple UI that is easy to use
even for elderly residents

Can be a factor that motivates elderly residents to leave the house

Reduced by 70%

Increased 2.4x

Bus operating rate

Users

04_1

Autonomous mobility

Ensure residents have a way to get around by utilizing automated driving technology

Multiple field operational tests conducted towards the implementation of automated driving buses

<October 2017>

Performance / field operational test in a dedicated space on closed roads

<October 2018>

Test drive on the grounds of town hall

<October 2019>

Test drive on public roads, transporting both passengers and goods
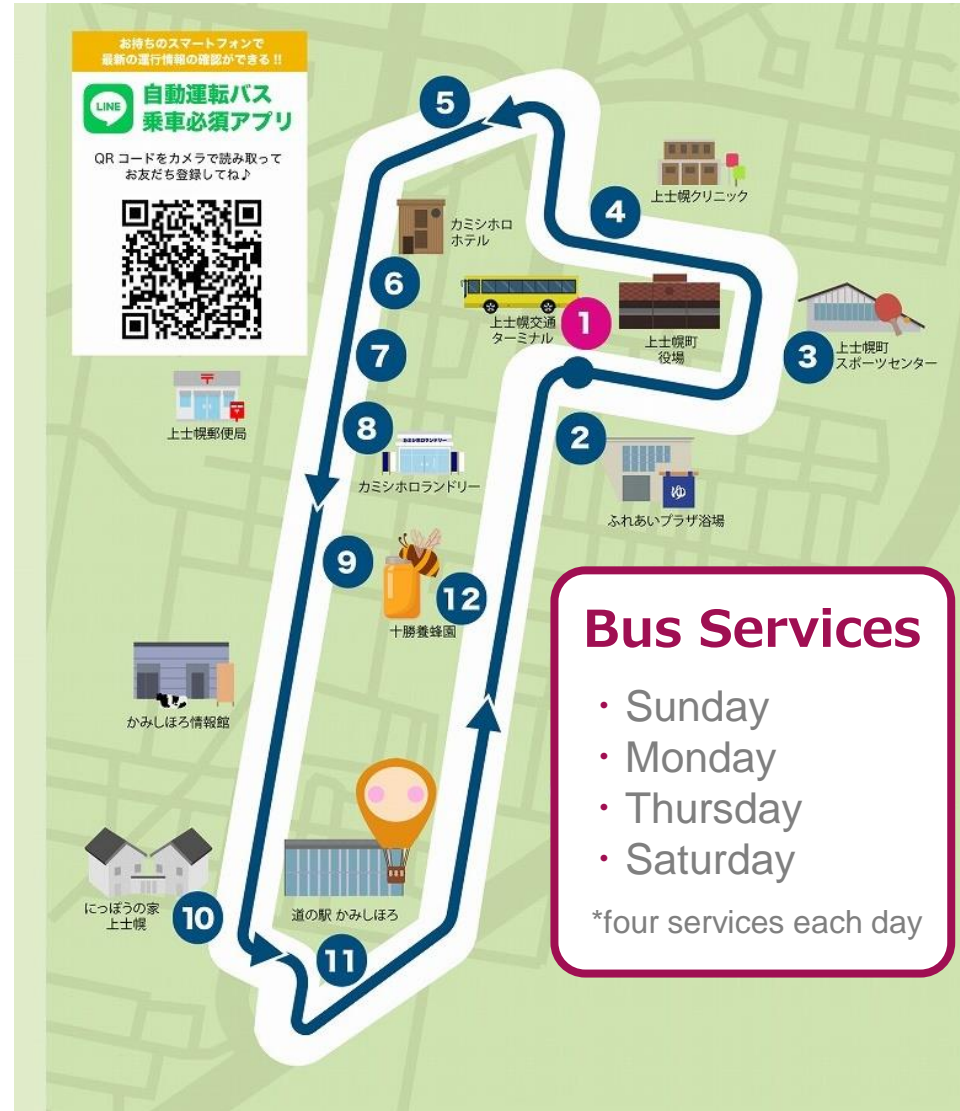
<December 2021>

Winter field operational test

Autonomous mobility

Ensure residents have a way to get around by utilizing automated driving technology

<From December 2022>

Start of regular operations of automated driving buses

Bus Services

- Sunday
- Monday
- Thursday
- Saturday

*four services each day

05₁

Drones

Utilize drones in various settings, such as lifesaving practices, logistics, and entertainment

Nighttime drone search-and-rescue support service, "NIGHT HAWKS"

・Provides support for nighttime search-and-rescue efforts through the use of drones, and contributes to the early discovery of victims

05_2

Field operational test for deliveries using drones

・Drones utilized to optimize regional logistics through manpower reduction and decarbonization

Drones

Utilize drones in various settings, such as lifesaving practices, logistics, and entertainment
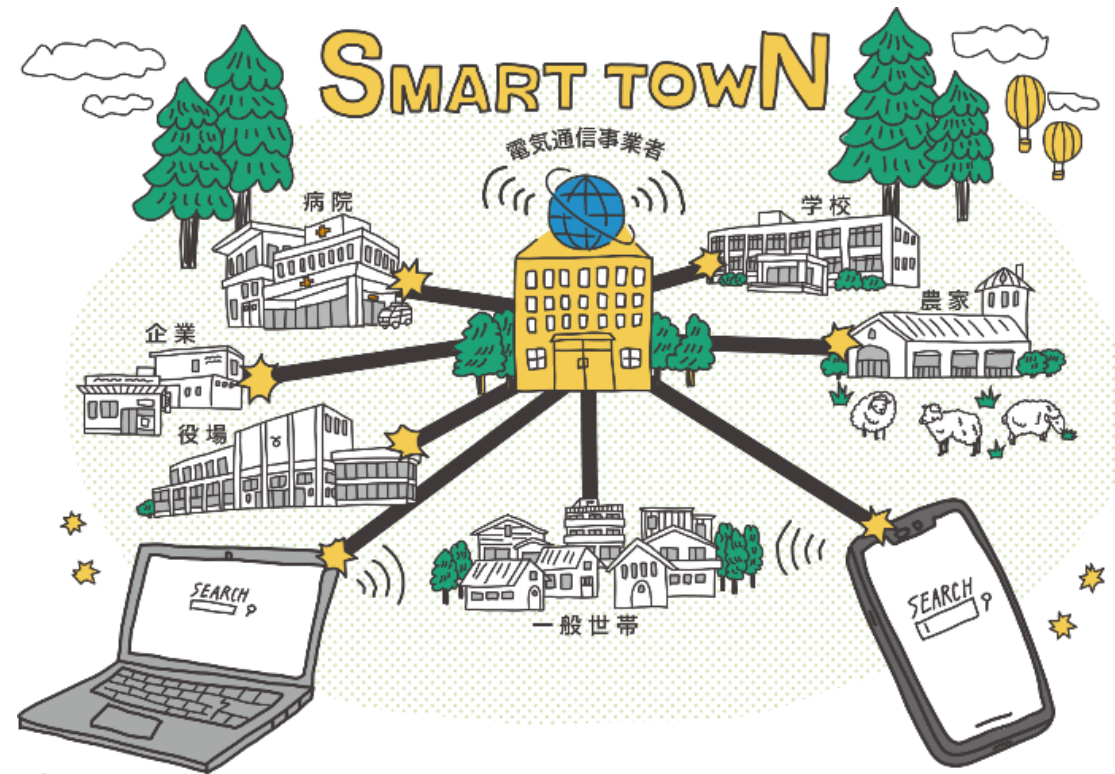
Christmas drone show

・Largest-scale drone show in Japan (at the time) that utilized 300 drones

Drones

Utilize drones in various settings, such as lifesaving practices, logistics, and entertainment

06

Other digitalization
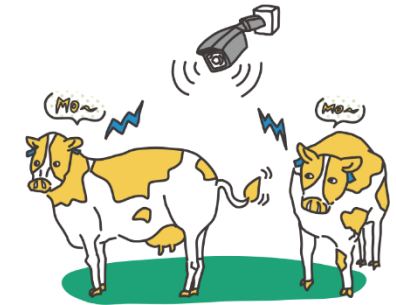
Promote the digitalization of various initiatives

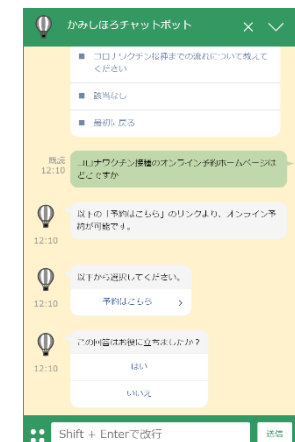## Digitalization for more efficient and convenient processes

・Establish information and telecommunications infrastructure and improve services for residents and the city's key industry of agriculture through the promotion of digitalization

Smart agriculture

Communications infrastructure

AI chatbot

07 Kamishihoro Smart Town

- Optimize transportation and logistics through the integrated operation of people and goods

- Promote digitalization in order to improve efficiency and the quality of administrative services

Creating the future of Kamishihoro