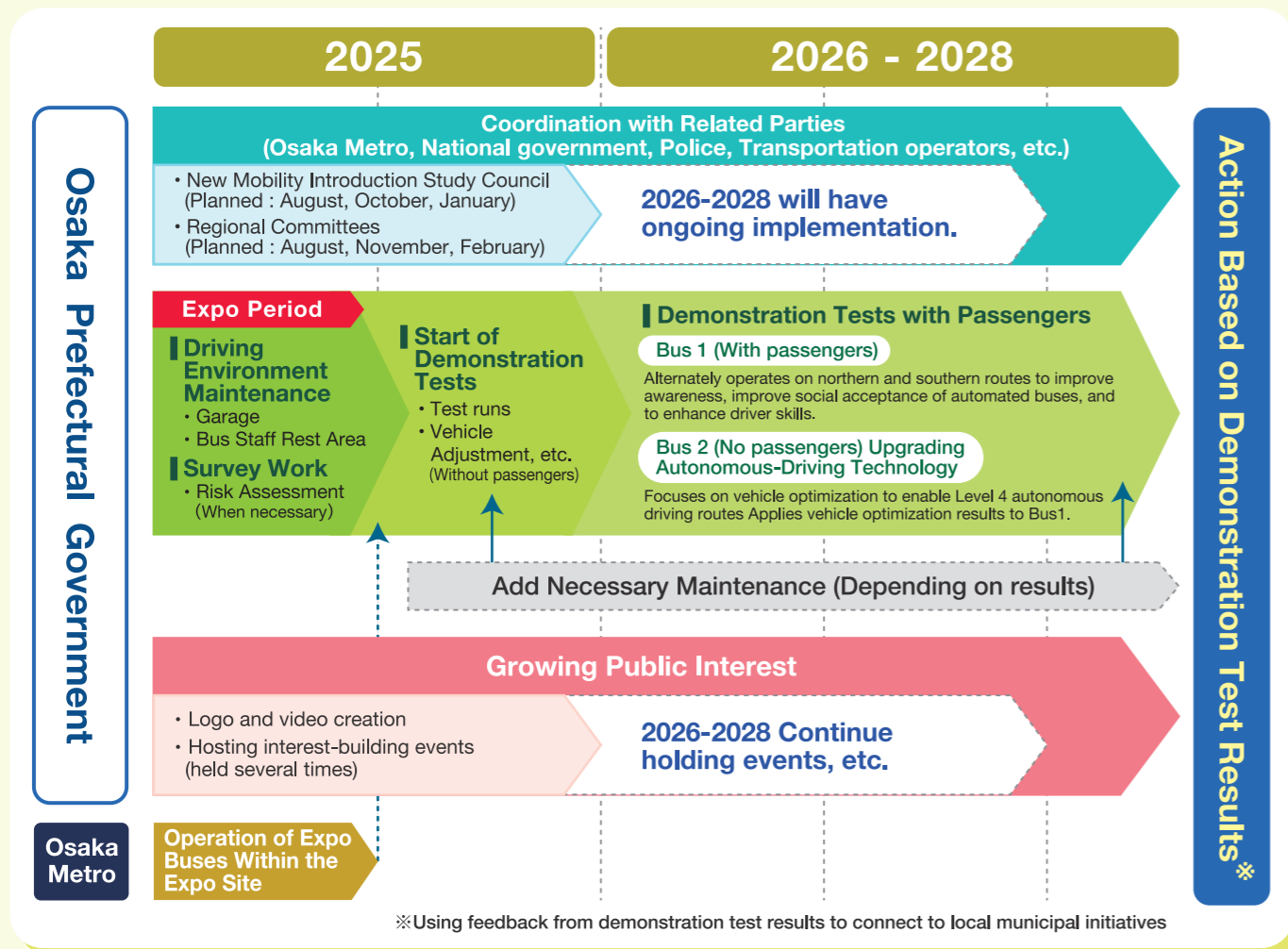


▶ Overall Schedule



▶ Initiatives to Gain Public Interest

For this project, events are held in the Minami-Kawachi area to widely inform the local community about autonomous-driving buses and their safety. We organize lectures, autonomous-driving bus experiences, and quizzes to promote understanding of autonomous driving technology to people of all ages.

Previous Events	Event Name	Shinmobi FESTA in Minami-Kawachi	Shinmobi FESTA in Minami-Kawachi (Autonomous-driving bus demonstration)	Shinmobi FESTA (Autonomous-driving bus rideexperience event)
	Date	July 27, 2024	September 16, 2024	March 29, 2025
	Number of Visitors	Approx. 770 visitors	Approx. 1,150 visitors	Approx. 2,600 visitors



MINAMIKAWACHI NEW-MOBILITY PROJECT

南河内 新モビリティ プロジェクト

The autonomous-driving buses that operated at the Expo site will drive in Minami-Kawachi!



● Osaka Prefectural Government, Department of Urban and Public Works,
Public Works Coordination Office, New Transportation Policy Promotion Division

TEL : 06-4397-4143

● Tondabayashi Public Works Office, Construction Division TEL : 0721-25-1131

In cooperation with:
Osaka Metro Co., Ltd.



Inquiries

MINAMIKAWACHI NEW-MOBILITY PROJECT



▶ Project Purpose

In order to ensure sustainable regional public transportation, Osaka Prefectural Government is moving towards utilizing the autonomous-driving buses that operated at the Expo to be the Expo legacy in the Minami-Kawachi area.

By using the autonomous-driving buses in the Minami-Kawachi area as a leading model, and with feedback from autonomous-driving bus demonstration results, this project aims to ensure that its achievements will lead to securing sustainable local public transportation.

The project will start autonomous-driving bus service for passengers in spring 2026 for three years, and will work towards achieving Level 4* autonomous-driving technology in the near future.

▶ Promotion Structure

In 2023, the "New Mobility Introduction Study Council" was established in cooperation with Osaka Metro Co., Ltd, which operated the autonomous-driving bus service at the Expo. The council deliberates and coordinates the use of new mobility technologies, including autonomous-driving buses.

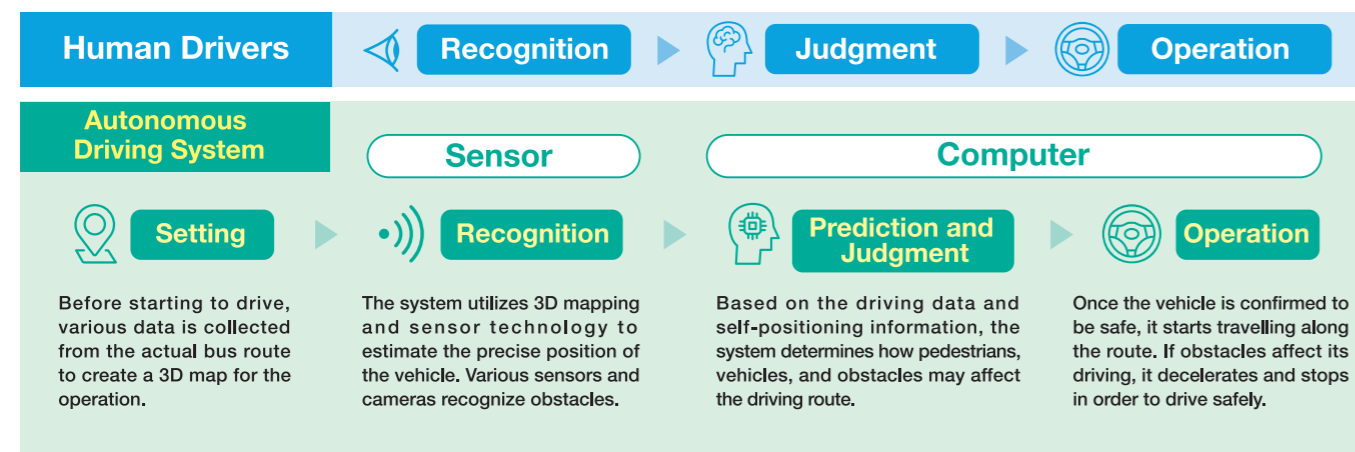
In 2024, the "Osaka Prefecture (Minami-Kawachi Area) Level 4 Mobility Regional Committee" was established with the national government and other related organizations. They are now working together to expedite necessary procedures, such as permits, for the implementation of autonomous-driving demonstration tests.

In addition, collaboration among the industries, government, and academia is underway, including the creation of the project logo by the Osaka University of Arts.

▶ What is an autonomous-driving bus?

An autonomous-driving bus utilizes an autonomous driving system instead of human drivers, which will help reduce the risk of future driver shortages. The mechanism for automated driving is as follows.

How Automated Driving Works



The autonomous-driving buses utilize the two technologies of "identifying surroundings using sensors and cameras" and "receiving signals from satellites" to precisely determine their location.

Automated driving is achieved by matching the identified self-position with a pre-created driving route. In addition, by utilizing infrastructure facilities located on the road, safer and more comfortable driving is possible.

※Level 4: Indicates fully automated driving under specific conditions. Also called L4. Autonomous driving technology has levels 1 through 5.

▶ Driving Route

- **Northern Route (Tentative Name)**
Route : Kaminotaishi Station - via Taishi Town Office - Chikatsu Asuka Museum
Distance : Approx. 7.9 km
- **Southern Route (Tentative Name)**
Route : Tondabayashi Station -via Kanan Town Office - Chihaya Akasaka Village Office
Distance : Approx. 8.3 km

▶ Operation Period

- **November 2025 - Demonstration Tests (No passengers)**
- **Spring 2026 - Demonstration Tests (With passengers)**



▶ Autonomous-Driving Bus Technology

Map Matching

Self-positioning is determined by matching information from a pre-created 3D map of the driving route and information obtained by LiDAR during driving.

RTK-GNSS

GNSS (Global Navigation Satellite System) is a positioning technology. It uses radio waves to determine the distance between multiple positioning satellites and antennas on the bus.

LiDAR

It measures the time it takes for an irradiating laser light to hit an object and reflect back to determine the distance and direction to the object. This enables accurate obstacle avoidance.



▶ Configuration and Specifications of Autonomous-Driving Buses

Model Name	F8 series4-Mini Bus (EV Motors Japan)
Seating Capacity	11 passengers (seated only)
Dimensions (mm)	L 6,990, W 2,105, H 3,100
Sensors	LiDAR : 8 units (4 locations) Cameras : 15 units (9 locations)

※Wrap design is subject to change.