

Participation in Future Society Showcase Projects Exhibition “Future Life Expo: Future City” Project at Expo 2025 Osaka, Kansai, Japan
~Experience Future City Life Made Possible by Smart Poles~

24 Aug. 2023

Kansai Transmission and Distribution, Inc.

Kansai Transmission and Distribution, Inc. has decided to participate in the “Future Life Expo: Future City” Project, part of the Future Society Showcase Projects Exhibition at Expo 2025 Osaka, Kansai, Japan as a bronze partner, and has signed a sponsorship contract.

We are planning an exhibition in the Transportation and Mobility sector of the “Future Life Expo: Future City” (*1), utilising Smart Poles (*2).

Specifically, visitors will have the opportunity to experience a world where our Smart Poles function as platforms offering new value in future city life that integrates cyberspace and physical space seamlessly.

Aligned with our Group Vision, which aims to continuously evolve into an energy platformer that offers new value to our customers and society, we will strive to deliver new value through Smart Poles, the information and multifunctional stations of future society. This endeavour aims at bringing excitement and enjoyment to visitors from all over the world.

※1 “Future Life Expo: Future City” serves as a stage to highlight the future city of Society 5.0, a human-centred society that balances economic advancement with the resolution of social problems through a system that highly integrates cyberspace and physical space.

※2 Smart Poles are a collective term referring to multifunctional poles equipped with communication base stations, Wi-Fi, cameras, streetlights,

digital signage, and more. Especially, they are expected to make a significant contribution to the mobility sector, such as supporting autonomous driving and charging electric vehicles.

【Reference】

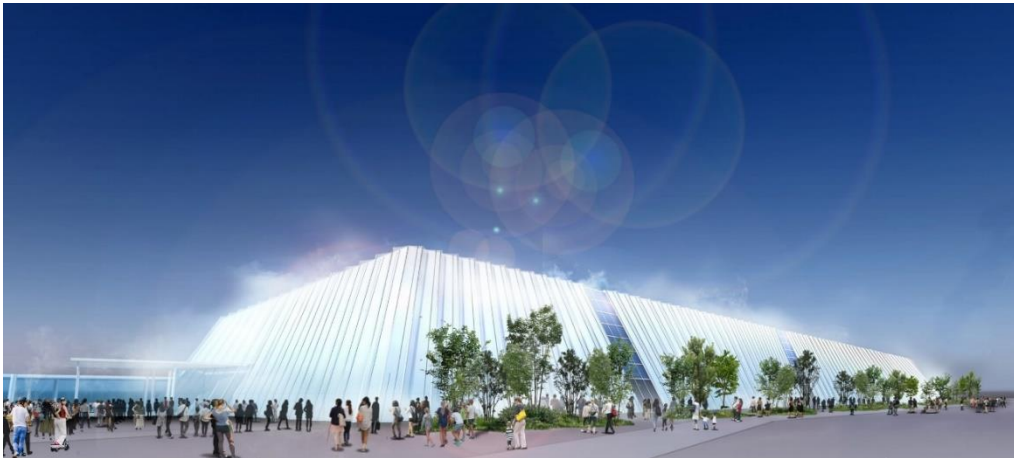
• Official Website of the Japan Association for the 2025 World Exposition

<https://www.expo2025.or.jp/en/>

Image of the Expo Site and Our Smart Pole Exhibition

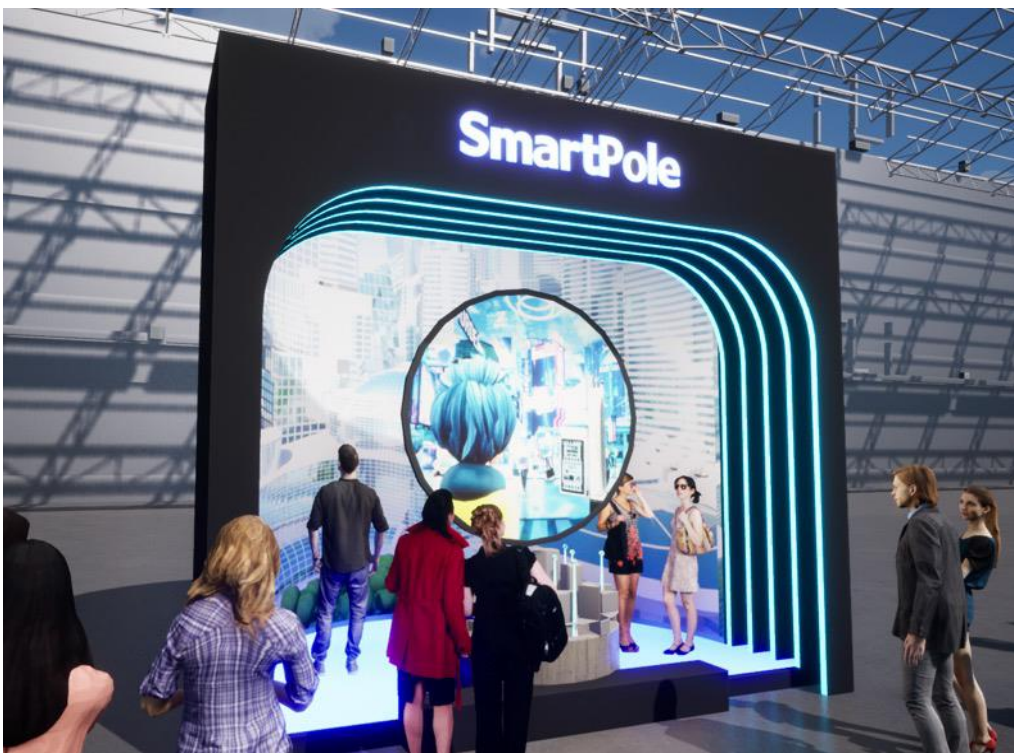
Image of the outside appearance of the “Future Life Expo: Future City” venue

Provided by the Japan Association for the 2025 World Exposition



- We plan to install up to six Smart Poles equipped with cameras, digital signage, and more onsite.

Image of our exhibition

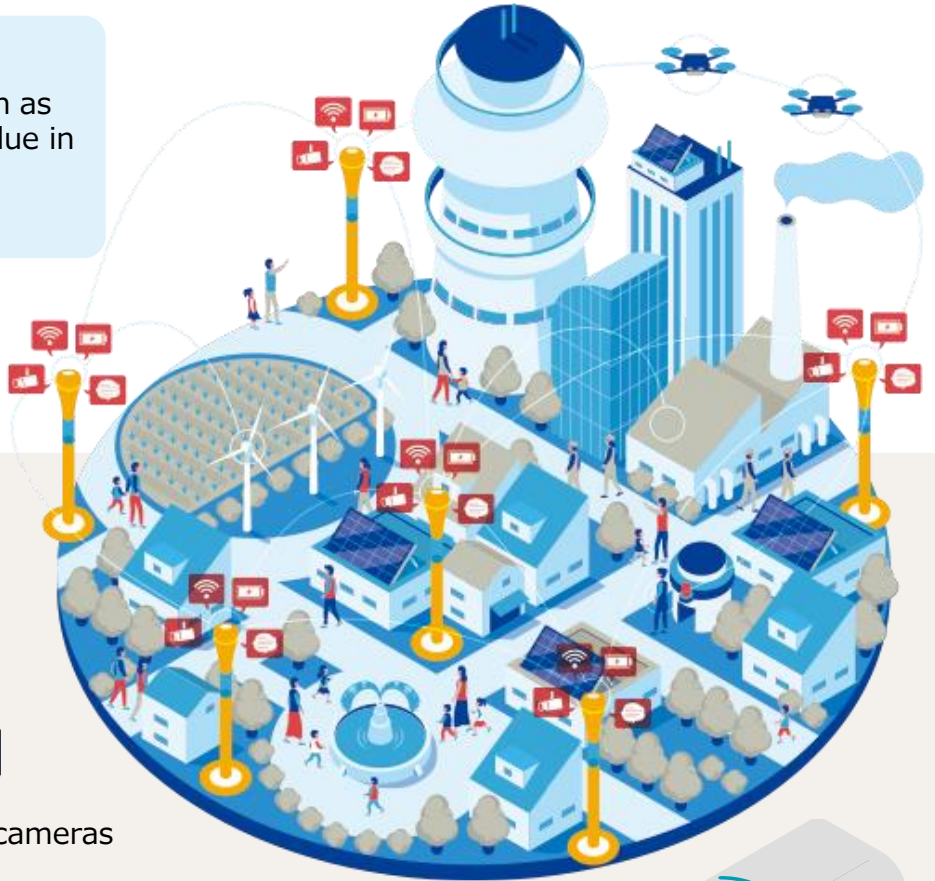


Please note that this is only an image, and the actual exhibit may differ.

- We plan to showcase devices that allow visitors to have a virtual experience of a variety of services provided by Smart Poles in a futuristic cityscape. Visitors can experience the services through their avatars, which are generated by scanning their 3D data.

Image of Smart Poles in the Future Society

Our Smart Poles function as platforms offering new value in the future city.



Example of Smart Pole functions



Surveillance by security cameras



Wireless charging for drones



Support for autonomous driving

Daily Use

- Street lights
- 5G Wi-Fi spots
- Information services via digital signage
- Information and announcements via speakers
- Solar power generator
- Video services via security cameras
- Congestion information services
- Support for autonomous driving at blind spots such as intersections

Emergency Use (Power outages)

- Street lights
- Wireless charging for smart phones
- Electricity supply during power outages
- 5G Wi-Fi spots
- Information service during emergencies and power outages
- Wireless charging for drones