

Overview of Exhibition at Future Society Showcase Projects Exhibition "Future Life Expo: Future City" Project at Expo 2025 Osaka, Kansai, Japan
- Smart Pole Demonstration and "Mirai Scope" Experience -

28th August 2024

Kansai Transmission and Distribution, Inc.

Kansai Transmission and Distribution, Inc. has signed a sponsorship contract as a Bronze Partner for the "Future Life Expo: Future City" Project, part of the Future Society showcase Projects Exhibition at Expo 2025 Osaka, Kansai, Japan (hereinafter referred to as "Future City")*1.

(Announced on 24th August 2023)

We plan to install Smart Poles*2, which are next-generation platforms for future society, in front of the "Future City" Pavilion entrance. We intend to demonstrate the various functions integrated into the devices.

Specifically, we will evaluate the performance of each function, including power generation through wind and perovskite solar cells*3, information display on curved screens, and analysis of people flow and lost child searching using AI cameras. Visitors will also have the opportunity to experience a demonstration of the lost child searching feature.

In our exhibition space inside the Pavilion, we plan to introduce an immersive content called "Mirai Scope". Visitors will be able to explore the future city realised by Smart Poles through their own avatars. This content will allow visitors to experience solutions provided by Smart Poles in various areas such as mobility, including autonomous driving, disaster prevention, including emergency evacuation guidance, and tourism, including the dissemination of local information.

Furthermore, today we have launched a special website within our company's homepage to introduce the detailed information mentioned above. We plan to further enrich the information and experiential content about the Smart Poles.

We will strive to deliver new value through Smart Poles, the information and multifunctional stations of future society, and provide a sense of 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.

*3: Perovskite solar cells are lighter, thinner, and more flexible than the widely-used silicon-based solar cells. Thanks to these characteristics, they can be installed in previously challenging locations where traditional technologies faced difficulties. Moreover, their versatility allows for a wide range of applications, making them promising for further expansion and adoption.

【References】

- Official Website of Japan Association for the 2025 World Exposition
<https://www.expo2025.or.jp/>
- Kansai Transmission and Distribution, Inc. Expo Special Site:
<https://www.kansai-td.co.jp/banpaku/>

【Attachment】

- Image of the Expo Site and Our Smart Pole Exhibition

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
※The image is for illustrative purposes only.

- We plan to install three Smart Poles in front of the Pavilion entrance.
- We will evaluate some of their features, such as measuring power generation from wind and perovskite solar cells, verifying the visibility of curved displays, demonstrating lost child search using AI cameras, and conducting environmental measurements using weather sensors.

【Image of our exhibition】



※The image is for illustrative purposes only. The actual exhibit may differ.

- We plan to provide an immersive content called "Mirai Scope", where visitors can explore the future city realised by Smart Poles through their own avatars.