

News Release

Kanadevia
Technology for people and planet

Kanadevia Corporation

September 19, 2025

The 30th United Nations Climate Change Conference (COP30) (Belém, Brazil)

“Japan Pavilion” exhibit sponsored by the Ministry of the Environment

Kanadevia Corporation was recently selected by the Ministry of the Environment as one of the companies to host a themed exhibit at the Japan Pavilion*¹ on November 10-21, 2025 (projected) in Belém (in the state of Pará) at the 30th United Nations Climate Change Conference (COP30)*². This will be the second time in two years for the company to host an exhibit at the Japan Pavilion.

As the global necessity of new measures has risen in recent years, the company will use the theme of “fully utilizing waste as a resource to decarbonize our lives globally” to focus on lowering, collecting, and reusing emissions of the greenhouse gas (GHG) methane, and the exhibit will be centered around engineering applications and use cases for organic waste resource processing. Specifically, we will demonstrate the production of e-methane using a methanation (catalytic reaction) device to combine CO₂ in biogas primarily generated at a anaerobic digestion plant and green hydrogen produced with a hydrogen generator which uses renewable electricity; the production of high-purity bioethanol at a bioethanol manufacturing plant that uses membrane separation; and, the production of biochar from organic waste using a biochar pyrolysis reactor . We will also present the use of digestate from anaerobic digestion residue and similar materials as energy in incineration power generation facilities, etc. In this manner, from the perspective of appropriate organic waste processing, we aim to apply diverse technologies and systems to not only contribute to lowering methane emissions through sanitary waste processing and avoidance of direct landfill disposal of food waste, but also contribute to the mitigation of climate change through energy conversion by generating methane via anaerobic digestion, and by recovering and utilizing it, as well as through carbon sequestration using biochar..

We, along with our stakeholders, are looking to reduce greenhouse gas emissions and further the goal of environmental impact reduction.

*1. The “Japan Pavilion,” hosted by the Ministry of the Environment at every recent COP, serves as a platform for disseminating information about Japan's outstanding technologies and initiatives.

*2. The United Nations Climate Change Conference (COP) is an international conference where the leaders of governments, NGOs, and businesses from all countries and international organizations gather to discuss climate change countermeasures and rules. The first conference was held in 1995, making this upcoming conference the 30th one.

[COP30 Overview]

This conference: November 10-21, 2025 (with the possibility of extension)

Location: Belém, Brazil (in the state of Pará)

[Our previous display at COP29]

The company received a large number of visitors and a great deal of interest in its first-time exhibit at COP29 which covered waste processing-centered decarbonization solution technology. Specifically, centered on a waste incineration system enabling high-concentration CO₂ capture, the company presented a waste treatment system combining waste-to-energy power generation, wind power, seawater desalination, hydrogen production using electrolysis, methanation, CO₂ recovery and utilisation to contribute to a circular economy and net zero GHG emissions. The exhibition attracted over 1,000 visitors from 123 countries and regions, including presidents, ministers, and other important figures. We received many responses about the importance of raising awareness of the necessity of waste processing technology and hopes for our company to work on problem-solving with this technology, and our technology and products were recognized the world over for contributing to a circular economy and decarbonization.

Further information: Press release “Kanadevia Corporation host first exhibition at COP29, presenting new waste processing systems and decarbonization technology to contribute to global decarbonization and resource circulation” ([FY2024-88.pdf](#))

[Expo 2025 Osaka, Kansai, Japan: Methane fermentation/biogas electricity production at the Japan Pavilion]

For the “Expo 2025 Osaka, Kansai, Japan,” which opened on April 13, 2025, we designed and constructed a biogas plant utilizing anaerobic digestion for the Japan Pavilion, which we have installed at the venue and are currently operating. This plant uses food waste generated within the venue as raw ingredients for generating electricity from biogas produced through microbial decomposition and methane fermentation.