

August 30, 2024

The 29th Conference of the Parties to the UNFCCC (COP29)

~ **First Time to Exhibit at the Japan Pavilion organized by the Ministry of the Environment** ~

Hitachi Zosen Corporation has been selected by the Ministry of the Environment as one of the companies to exhibit in the 'Japan Pavilion' at the 29th Conference of the Parties to the United Nations Framework Convention on Climate Change (COP29) to be held in Baku, the capital of the Republic of Azerbaijan from November 11 to 22, 2024.

The Conference of the Parties to the United Nations Framework Convention on Climate Change is an international conference where leaders of international organizations, governments, local authorities, NGOs, businesses and others gather to discuss international directions and rules for combating global warming. The COP has been held since 1995, and this year marks the 29th time. The 'Japan Pavilion' is a platform organized by the Ministry of the Environment, where Japan's superior products and services and climate change initiatives are communicated and exchanged with the world through exhibitions and side events. This is the first time Hitachi Zosen will be participating in an on-site exhibition at the COP.

Under the theme of "Innovative Waste Management to Achieve Circular Economy & Net-Zero GHG Emissions", our company will exhibit a system package centered on waste combustion technology that enables highly efficient CO₂ recovery. This system package produces oxygen and clean hydrogen from seawater by utilizing waste-derived electricity, renewable energy, and water electrolysis technology that utilizes water obtained from seawater desalination. The oxygen produced is utilized for waste combustion, while the hydrogen is converted to e-methane through an efficient methanation reaction with recovered CO₂, enabling its cyclical use as an alternative resource to fossil fuels. At the same time, hydrogen is converted into e-methane by methanation with CO₂ that is efficiently recovered. As a result, it can be recycled as an alternative resource for fossil fuels. In addition, our waste to energy, wind power generation, seawater desalination, water electrolysis, and methanation technologies, including those currently under development and being implemented in society, as a package, and shows one of the ways in which waste treatment systems as a whole should aim for in the future.

Through the above exhibitions, and by speaking at seminars, our group will work with various stakeholders to take on the challenge for reducing the environmental impact and contribute to the simultaneous realization of resource recycling and a net-zero greenhouse gas emission society.

Please note that our company will change its corporate name from Hitachi Zosen Corporation on October 1, 2024, and will be exhibiting in COP29 as 'Kanadevia Corporation.'

[COP29 Outline]

Dates: November 11-22, 2024

Venue: Baku, the capital of the Republic of Azerbaijan

[For inquiries regarding the contents of the presentation]

Hitachi Zosen Corporation

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