

Osaka Gas collaborates with CPC in studies to introduce e-methane to Taiwan and explore other carbon neutral solutions

September 28<sup>th</sup>, 2023  
Osaka Gas Co., Ltd.

Osaka Gas Co., Ltd. (Osaka Gas) today announced that it has entered into an agreement with CPC Corporation (CPC), Taiwan's state-owned oil and gas company, to conduct joint studies on carbon neutral solutions, such as introducing e-methane to the energy market in Taiwan and exploring other new energy options, including hydrogen, ammonia, and biogas.

e-methane is synthetic methane produced from CO<sub>2</sub> and non-fossil fuel-based feedstock, such as green hydrogen. It is a new energy source seen as a solution to a seamless energy transition to a carbon neutral society. Consisting of the main component of natural gas, e-methane is compatible with the existing gas infrastructure, including LNG terminals and gas equipment for consumers. Introducing e-methane to energy markets saves the social cost of replacing or modifying the existing gas infrastructure, as required in the case of other options, such as hydrogen, through the continued utilization of those facilities.

Osaka Gas aims to achieve carbon neutrality across its corporate group (Daigas Group) by 2050 and contribute to net zero emissions in Japan and other Asian countries as goals set in the Carbon Neutral Vision released in January 2021 and Energy Transition 2030<sup>1</sup> released in March 2023. To realize this ambition, the company pursues net zero solutions, including e-methane, and drives e-methane technology development through R&D activities and demonstration projects in Japan to promote its wide usage. It also proceeds with several feasibility studies to produce e-methane in strategic locations, such as North America, South America, Australia, the Middle East, and Southeast Asia.

Osaka Gas and CPC have been working together in LNG procurement, and Osaka Gas has been providing engineering services to CPC for the commissioning of the Yung-An LNG Terminal and the construction and operations of other terminals.

<sup>1</sup> Announced on March 9, 2023, in a press release: "Daigas Group announces Energy Transition 2030"  
[https://www.osakaqas.co.jp/en/whatsnew/\\_icsFiles/afieldfile/2023/04/07/230309\\_4\\_1.pdf](https://www.osakaqas.co.jp/en/whatsnew/_icsFiles/afieldfile/2023/04/07/230309_4_1.pdf)

#### Project Partner

Company Name	CPC Corporation, Taiwan
Headquarters	No.2, Two-Nan RD., Nan-Tzu Dist., Kaohsiung, Taiwan 81126 R.O.C
Established	June 1, 1946
Representative	Shun-Chin Lee, Chairman