

Osaka Gas Australia to collaborate with Santos, Tokyo Gas, and Toho Gas in producing e-methane in Australia and exporting it to Japan

August 22, 2024

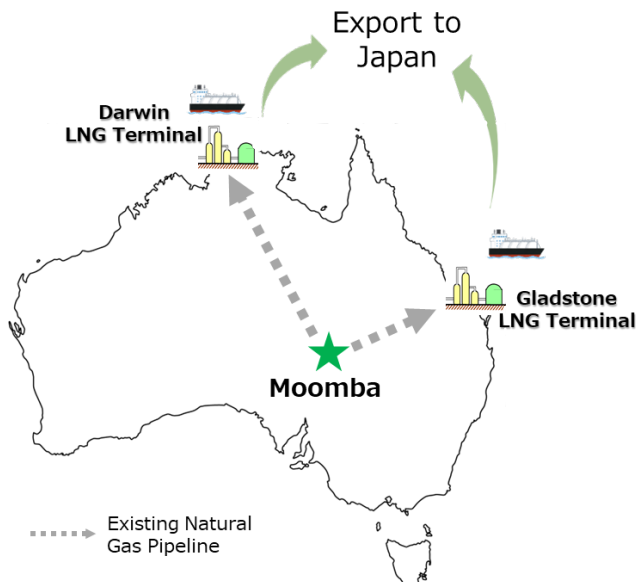
Osaka Gas Australia Pty Ltd (OGA), a 100% subsidiary of Osaka Gas Co., Ltd., has entered into an agreement with Santos Ventures Pty Ltd, Santos Ltd's (Santos) wholly owned subsidiary, Tokyo Gas Co., Ltd., and Toho Gas Co., Ltd. to conduct Pre-Front End Engineering and Design (Pre-FEED) work to produce e-methane,¹ a carbon-neutral synthetic methane, at Moomba in the Cooper Basin, located in the central part of Australia.

Under the agreement, OGA and its partners will conduct technical, regulatory, and commercial studies to produce 130,000 tons (180 million Nm³/year) or more of e-methane annually at Moomba, an area where Santos has been developing and operating natural gas fields for many years. The studies will also explore exporting the above amount of e-methane to Japan. The partners aim to commence e-methane production and export by 2030 at the earliest.

For this Pre-FEED initiative, Osaka Gas and OGA has secured a subsidy² of Japan's Ministry of Economy, Trade, and Industry.

- 1 Synthetic methane produced from non-fossil fuel-based feedstocks, such as green hydrogen.
- 2 The subsidy granted during the fiscal year 2024 to eligible applicants involved in projects with the following objectives:
 - Decarbonizing and reducing carbon emissions from fossil-fuel-related facilities and equipment in resource-producing countries
 - Investigating and researching potential initiatives to implement Japanese state-of-the-art technologies related to hydrogen, ammonia, biofuel, and other fuels to decarbonize and reduce carbon emissions in the fossil fuel industry of resource-producing countries.

■ Site location of Moomba in the Cooper Basin



■ Project Site of Moomba



(Courtesy of Santos)

■ Key elements

Renewable energy	Abundant solar and wind energy available in the Cooper Basin
Carbon dioxide	Sourced from nearby projects or those in Eastern Australia
Natural gas pipeline	Existing pipelines to Eastern Australia and the Northern Territory
LNG export terminal	Gladstone LNG and Darwin LNG accessible from the area

■ Partners

Company Name	Osaka Gas Australia Pty Ltd
Headquarters	Perth, Western Australia, Australia
Established	August 2000
Representative	Yo Otsuka

Company Name	Santos Ltd
Headquarters	Adelaide, South Australia, Australia
Established	March 1954
Representative	Kevin Gallagher, Managing Director & Chief Executive Officer

Company Name	Tokyo Gas Co., Ltd.
Headquarters	Tokyo Minato-ku
Established	October 1885
Representative	Shinichi Sasayama

Company Name	Toho Gas Co., Ltd.
Headquarters	Aichi Nagoya
Established	June 1922
Representative	Nobuyuki Masuda

■ About Osaka Gas

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 2030¹ 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.