

Osaka Gas Announces Feasibility Study into Methanation Project in Peru: Syngas Production and Marketing in Collaboration with Marubeni and PERU LNG

July 14, 2022
Osaka Gas Co., Ltd.

Osaka Gas Co., Ltd. (Osaka Gas) has reached an agreement with Marubeni Corporation and PERU LNG S.R.L. (PERU LNG), a Peruvian LNG business operator, for a joint feasibility study on the production of synthetic methane (syngas) in Peru and the sales of syngas to the potential markets including Peru and Japan.

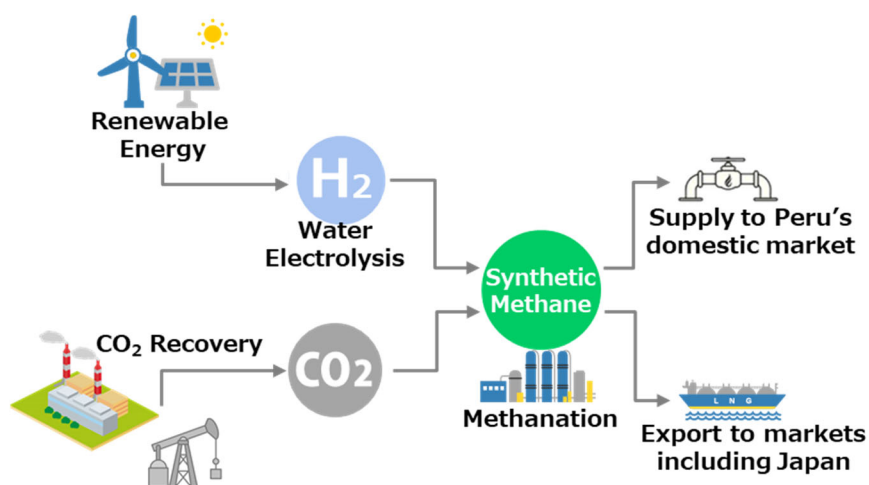
The extensive study includes assessing the feasibility of the production of methanation¹-based syngas from captured CO₂ and green hydrogen² produced through water electrolysis using renewable energy, utilizing PERU LNG's natural gas liquefaction plant, which started operation in 2010. The study also explores the sales potential of syngas for users in Peru and export markets including Japan.

Under the Carbon Neutral Vision announced in January 2021, the Daigas Group aims to fulfill its net zero target by 2050 with solutions for carbon neutrality, such as methanation-based syngas and increased renewable energy in its power portfolio. The Group has been working on multiple methanation-related studies overseas.

¹ Technology to synthesize methane, a main component of natural gas, from hydrogen and CO₂

² Hydrogen produced from renewable energy sources without emitting CO₂ in the manufacturing process

1. Project Scheme



< PERU LNG Terminal >



2. Company Overview

Name	Marubeni Corporation
Location	4-2 Ohtemachi 1-chome, Chiyoda-ku, Tokyo, Japan
Established	December 1949
Representative	Masumi Kakinoki, President and CEO

Name	PERU LNG S.R.L.
Location	Calle Las Palmeras 435, Edificio PAL 400, Oficina 302, San Isidro, Lima, Peru
Established	March 2003
Representative	Maria Julia Aybar, Gerente General