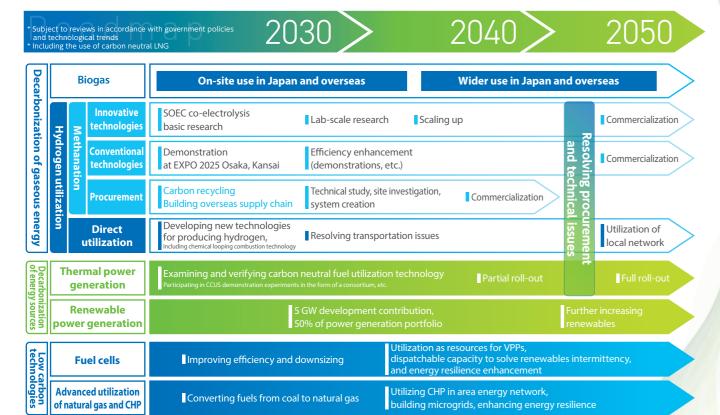
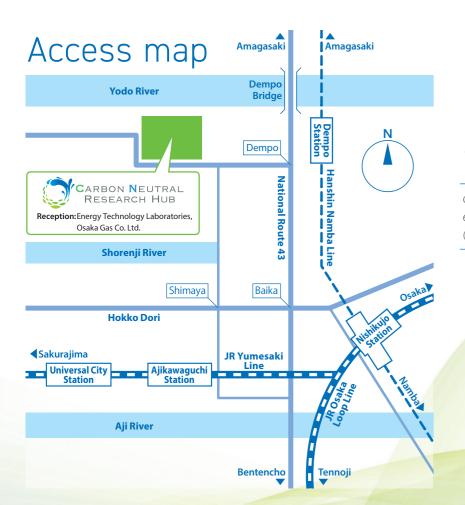
Roadmap

The Daigas Group is researching and developing methanation technologies and promoting the wider use of renewable energy. We intend to accelerate our activities in line with our medium- to long-term roadmap.







Carbon Neutral Research Hub, Osaka Gas Co., Ltd. 6-19-9 Torishima, Konohana-ku, Osaka 554-0051 (Reception: Energy Technology Laboratories)

SAKA GAS





FACILITY INFORMATION



The Daigas Group aims to achieve net zero by 2050 in its energy businesses. In the gas sector, we are working to introduce carbon neutral synthetic methane produced through methanation technologies1 using renewable energy and hydrogen. In the electricity sector, we are decarbonizing power sources by increasing renewable energy. As an innovative energy and services company, we continue providing solutions for creating a sustainable society.

In addition, while those technologies are being developed, we pursue CO2 emissions reduction as the key to a smooth transition to a decarbonized society. We aim to achieve 8.5 million tons² of CO₂ emissions reduction contribution as a target for fiscal 2030 through energy conservation, advanced utilization of natural gas, and broader use of renewable energy.

Initiatives to achieve carbon neutrality in our group business through innovation 2050 Carbon neutral

Contribution to reducing society-wide CO₂ emissions FY2030

5 GW³ of renewables development contribution on a global basis

Approximately **50%**³ of our power portfolio in Japan consisting of renewables

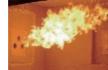
10 million tons/year⁴ of avoided emissions

- sources covered by the feed-in tariff (FIT) system, such as solar, wind, and biomass



Energy-saving equipment







CHP (cogeneration system) Industrial burner

Gas air conditioning

ECO Center

Environmental experiment building

CARBON NEUTRAL RESEARCH HUB **ANNEX**









Small biogasification equipment

Hydrogen and ammonia





Hydrogen

test site



Combustion technologies for hydrogen and ammonia

El Lab







SOEC cell





SOEC methanation

Biomethanation

Laboratory **Building 3**

Laboratory **Building**

Laboratory **Building 2**

Biomass

Biogas upgrading

VPP* and renewable energy



VPP, storage batteries, renewable power generation forecasting

***VPP**: Virtual Power Plant







Radiative cooling material (SPACECOOL)

ived resin-reinforcing fiber that achieves high strength and light weight