

Osaka Gas Completes First-Ever Ship-to-Ship LNG Bunkering Operation in Osaka Bay for LNG-Fueled PCTC

OSAKA, Japan, September 4, 2026 – Osaka Gas Co., Ltd. (“Osaka Gas”) announced today that it has successfully completed the first-ever Ship-to-Ship LNG bunkering operation in Osaka Bay, supplying LNG fuel to an LNG-fueled PCTC.

The operation was conducted using *SETO AZURE*, an LNG bunkering vessel owned by Osaka Bay LNG Shipping Co., Ltd., an affiliated company of Osaka Gas. Acting through INTEGR8 FUELS PTE. LTD., a Singapore-based marine fuel trading company, Osaka Gas supplied LNG fuel to an LNG-fueled PCTC operated by an overseas shipping company calling at the Port of Kobe.

Ship-to-Ship bunkering will help ensure a stable supply of LNG fuel in the Osaka Bay area and support the development of the Port of Kobe as a Carbon Neutral Port.

In addition to Ship-to-Ship bunkering, Osaka Gas provides LNG fuel through Truck-to-Ship bunkering and Port-to-Ship bunkering. With capability covering all three major LNG bunkering methods, Osaka Gas provides flexible and reliable LNG fuel supply services to meet customers' diverse needs.

Against the backdrop of the global drive toward decarbonization and the International Maritime Organization's (IMO) greenhouse gas reduction targets, the adoption of LNG-fueled vessels has accelerated in recent years.¹ Compared with conventional fuel oil, LNG can reduce carbon dioxide emissions, while the use of e-methane based LNG and bio-LNG could enable further emissions reductions over the longer term. At the same time, LNG bunkering infrastructure in Japan remains insufficient, highlighting the need to establish a stable fuel supply network to support the wider adoption of LNG-fueled vessels.

About Osaka Gas

Osaka Gas is a leading Japanese energy company engaged in the supply of gas and electricity, as well as the development of energy-related businesses. Under the Daigas Group Energy Transition 2050 plan, the company is advancing initiatives such as the expansion of LNG bunkering services and the promotion of e-methane, with the aim of supporting decarbonization across society, including the maritime sector.

1: Number of LNG-Fueled Vessels (excluding LNG carriers)

Year	2015	2020	2025	2030
Number of Vessels	62	185	869	1,271

Source : DNV, Rising LNG demand: Overcoming bunkering challenges

<https://www.dnv.com/expert-story/maritime-impact/rising-lng-demand-overcoming-bunkering-challenges/#:~:text=LNG%20marine%20fuel%20use%20surges,the%20end%20of%20the%20decade>)

■ LNG bunkering vessel *SETO AZURE*



Total length	: 86.29 M
Breadth	: 17.60 M
Gross tonnage	: Approx. 4,350 T
LNG tank system	: IMO Type C independent tank
LNG tank capacity	: Approx. 3,610 m ³
Propulsion system	: Electric propulsion (LNG/Fuel Oil Dual-Fuel engine)
Ship owner	: Osaka Bay LNG Shipping Co., Ltd.
Shipbuilding	: Shitanoe Shipbuilding Co., Ltd.