

November 14, 2023
Kansai Electric Power Co.,Inc.
Kawasaki Kisen Kaisha, Ltd.

KEPCO and “K” LINE Sign Service Agreement on Development of Liquefied CO2 Carrier Design for CCS Value Chain

Kansai Electric Power Co., Inc. (KEPCO) and Kawasaki Kisen Kaisha, Ltd. (“K” LINE) have jointly studied optimal marine transportation and storage schemes for the liquefied CO2 from KEPCO’s thermal power plants to develop the Carbon dioxide Capture and Storage(CCS) value chain since the signing of a memorandum of understanding on January 19, 2023.¹

Having completed an initial joint study on liquefied CO2 shipping, the two companies have now entered into a service agreement to study feasibility related to the liquefied CO2 carrier’s design involving domestic and foreign shipyards. This detailed study, which includes design development by shipyards, is ahead of the initiatives of other CO2 emitters.

Based on this Service Agreement, “K” LINE and KEPCO will study and develop optimal specifications for liquefied CO2 carriers and aim to realize liquefied CO2 marine transportation.

KEPCO and “K” LINE are accelerating actions toward the realization of a zero-carbon society through detailed research and the implementation of studies toward the delivery of a liquefied CO2 carrier that will play an important role in the CCS value chain.

1: Please refer to the following News.

January 19, 2023: [KEPCO and “K”LINE signed MoU on the Joint Study of Liquefied CO2 Shipping for Developing CCS Value Chain](#)

Attachment: Outline of the Service Agreement

Outline of the Service Agreement

Objective

- Summarization of issues in the design of an optimal liquefied CO2 carrier, ship building technologies and shipping costs aiming for the fast realization of liquefied CO2 marine transportation.
- Feasibility studies related to liquefied CO2 carrier designs implemented by shipyards

Scope of Work in this Service Agreement

