

November 14, 2023

Kawasaki Kisen Kaisha, Ltd.

Kansai Electric Power Co., Inc.

“K” LINE and KEPCO Sign Service Agreement on Development  
of Liquefied CO<sub>2</sub> Carrier Design for CCS Value Chain

Kawasaki Kisen Kaisha, Ltd. (“K” LINE) and Kansai Electric Power Co., Inc. (KEPCO) have jointly studied optimal marine transportation and storage schemes for the liquefied CO<sub>2</sub> 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.

Having completed an initial joint study on liquefied CO<sub>2</sub> shipping, the two companies have now entered into a service agreement to study feasibility related to the liquefied CO<sub>2</sub> carrier’s design involving domestic and foreign shipyards. This detailed study, which includes design development by shipyards, is ahead of the initiatives of other CO<sub>2</sub> emitters.

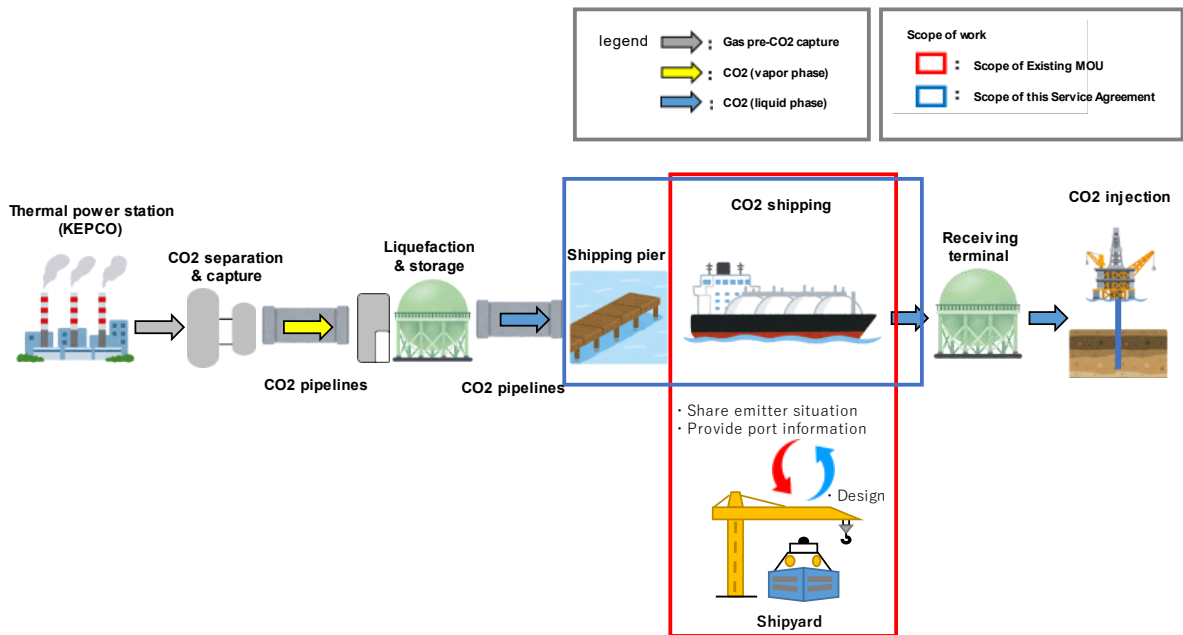
Based on this Service Agreement, “K” LINE and KEPCO will study and develop optimal specifications for liquefied CO<sub>2</sub> carriers and aim to realize liquefied CO<sub>2</sub> marine transportation.

“K” LINE and KEPCO 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 CO<sub>2</sub> carrier that will play an important role in the CCS value chain.

Outline

- Summarization of issues in the design of an optimal liquefied CO<sub>2</sub> carrier, ship building technologies and shipping costs aiming for the fast realization of liquefied CO<sub>2</sub> marine transportation.
- Feasibility studies related to liquefied CO<sub>2</sub> carrier designs implemented by shipyards

Scope of Work in this Service Agreement



Related release

January 19, 2023: "K" LINE and KEPCO Signed MoU on the Joint Study of Liquefied CO2 Shipping for Developing CCS Value Chain

<https://www.kline.co.jp/en/news/carbon-neutral/carbon-neutral-5533502900799355640/main/0/link/230119%20EN%20.pdf>