

November 14, 2023

Kawasaki Kisen Kaisha, Ltd.

Kansai Electric Power Co., Inc.

“K” LINE and KEPCO Sign Service Agreement on Development
of Liquefied CO₂ 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 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.

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.

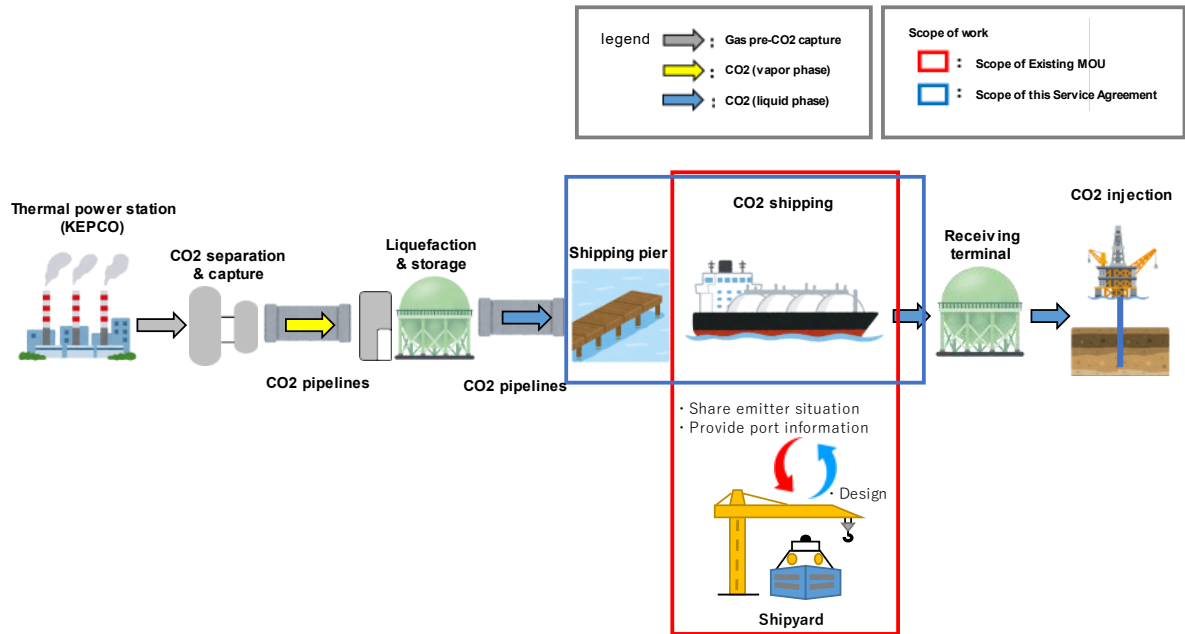
Based on this Service Agreement, “K” LINE and KEPCO will study and develop optimal specifications for liquefied CO₂ carriers and aim to realize liquefied CO₂ marine transportation.

“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 CO₂ carrier that will play an important role in the CCS value chain.

Outline

- 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



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>