

Electric Power Development Co., Ltd.
Kyushu Electric Power Co., Inc.

Commissioned for JOGMEC's Advanced CCS Project Study Initiating Joint Feasibility Study for Southern Malay Peninsula Offshore CCS Project

Electric Power Development Co., Ltd. (J-POWER) and Kyushu Electric Power Co., Inc. (Kyushu Electric Power) have been commissioned, along with Kansai Electric Power Co., Inc.; Cosmo Oil Co., Ltd.; Chugoku Electric Power Co., Inc.; Mitsui & Co., Ltd. (Mitsui); Resonac Corporation; and Mitsubishi UBE Cement Corporation, to conduct a survey for the Southern Malay Peninsula Offshore CCS Project.¹ This commission is part of the Japan Organization for Metals and Energy Security's (JOGMEC) public call for "Design Work for Advanced CCS Projects" for fiscal 2024.

Under this commission, J-POWER and Kyushu Electric Power will begin a joint feasibility study focusing on carbon capture and storage (CCS) technology. This study will examine capturing CO₂ from the flue gas of their respective thermal power plants in the Kyushu area and storing it at the CO₂ storage facilities being developed by Mitsui off the Malay Peninsula. The joint study will explore specifications and costs for various equipment related to CO₂ separation and capture from flue gas, liquefaction and storage, and shipment of liquefied CO₂.

J-POWER is committed to pursuing carbon neutrality as outlined in [J-POWER BLUE MISSION 2050](#) announced in February 2021. By selecting optimal technologies, including CCS, CO₂-free hydrogen power generation, and ammonia power generation, J-POWER aims to reduce carbon emissions and eventually decarbonize coal-fired power plants while continuing to contribute to the stable supply of electricity.

Kyushu Electric Power, as part of its Carbon Neutral Vision 2050, is dedicated to reducing carbon emissions and decarbonizing its power sources. It will pursue carbon neutrality through various means, including the CCS technology being studied in this project.

Both companies are united in their commitment to this joint study, aiming to contribute to the Japanese government's goal of achieving carbon neutrality by 2050.

1. JOGMEC Press Release, July 24, 2024: [Advanced Efforts for Commercialization of CCS—JOGMEC selects Nine projects as Japanese Advanced CCS Projects—](#)

Reference: Scope of the Commissioned Study

