



CCSテクニカルワークショップ2026

JOGMEC's Initiatives toward CCS Business Development

CCS Project Department, Energy Business Unit

Japan Organization for Metals and Energy Security

2026 January

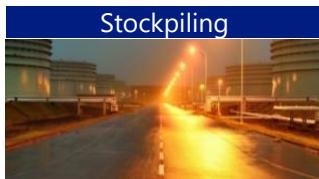
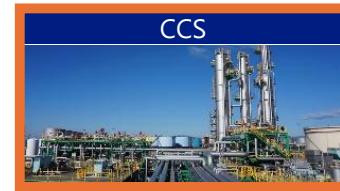


JOGMEC - Who We Are



Japan Organization For Metals and Energy Security (**JOGMEC**) is a policy executing agency of the Japanese government to stable and affordable supply of natural resources.

Area of Business



Area of Services

Financial Support
<ul style="list-style-type: none">Equity FinanceLiability GuaranteeGrantSubsidy, etc.

Technology Support
<ul style="list-style-type: none">Geological SurveyTechnology DevelopmentMarine Resources DevelopmentEnvironmental Safety, etc.

Intelligence Support
<ul style="list-style-type: none">Resource DiplomacyInternational CooperationInformation Analysis, etc.

Advanced CCS Projects (2024-Ongoing)



Selected 9 CCS projects (2024-Ongoing)

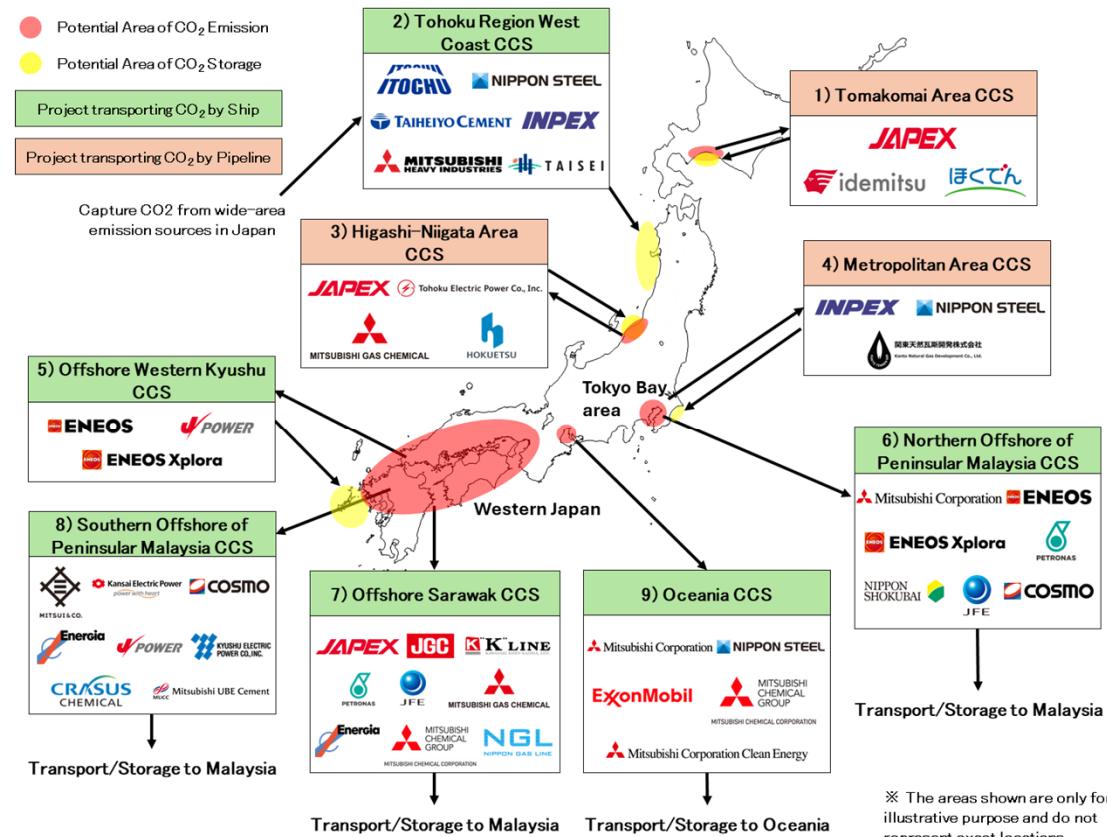
JOGMEC selected **9 role model projects** for **Japanese Advanced CCS Projects**

- Storage sites
- **5** for Domestic storage
- **4** for Overseas storage

- Transporting Methods
- **6** for Ship transporting
 - ▶ **4** for Overseas transporting
 - ▶ **2** for Domestic transporting
- **3** for Pipeline transporting

Scope (Ongoing)

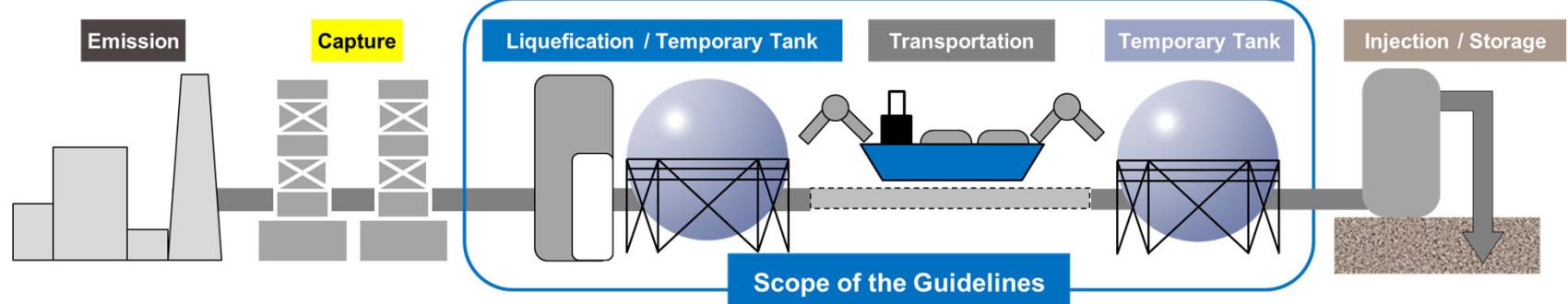
- Basic engineering design for CCS value chain (PreFEED/FEED)
- Assessment on CO₂ storage potential including exploratory drilling



Common Specifications in LCO2 Ship Transportation

- JOGMEC issued “**Guidelines for Setting Common Specifications in the LCO2 Ship Transportation Value Chain**” in May 2025 to;
 - (1) ensure compatibility in discharging and receiving operations and enable shared utilization in LCO2 ship transportation to promote mutual access,
 - (2) establish an efficient supply chain, and
 - (3) reduce transportation costs.
- The guidelines will be revised as necessary, reflecting the progress of CCS Projects and technological development.

<Scope of the Guidelines>



CCS Business (Pipeline Project) Support Scheme: Outline of Interim Review

Support Scheme

- Support will be focused on cost difference between CCS costs and costs borne by the emitter to implement CO2 measures, over the mid-to-long term (Considering the timeline that those costs are reversed)

$$\text{Cost difference} = \text{Strike price} - \text{Reference price}$$

<Strike price>

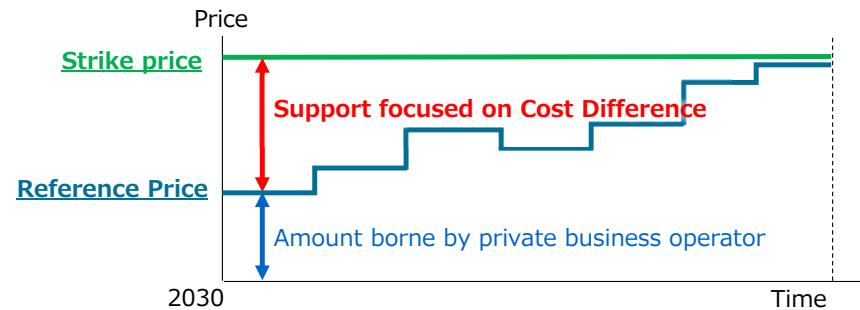
Separation/capture cost [/CO2t] (CAPEX & OPEX for Separation/capture, set for each separation/capture business operator)
+
Transport and storage charges [/CO2t] (CAPEX & OPEX for Transport & Storage, **determined by auction**)

*Support items included in the strike price are TBD

<Reference price>

Determined every year by referring the previous fiscal year's **carbon price** in carbon pricing systems

*The carbon pricing benchmarks that should be adopted will require adjustment in accordance with upcoming GX-ETS system design



- To achieve the establishment of a series of CCS businesses in the early 2030s, projects will be selected about once per year; over multiple years.
- The CO2 storage capacity to be selected for each fiscal year will be set in advance.
- Selections will be based on an overall evaluation of the entire business plan and transport and storage charges auction
(Successful bidding in the auction will be positioned as one of the necessary items in the evaluation).

Summary

- JOGMEC has conducted various type of CCS initiatives.
- JOGMEC has various expertise and knowledge through financial, technical & intelligence support.
- Through our activities, JOGMEC plays a key role in advancing CCS projects.



Leading the Way for
Next-Generation Technologies for
a Carbon-Neutral Society

