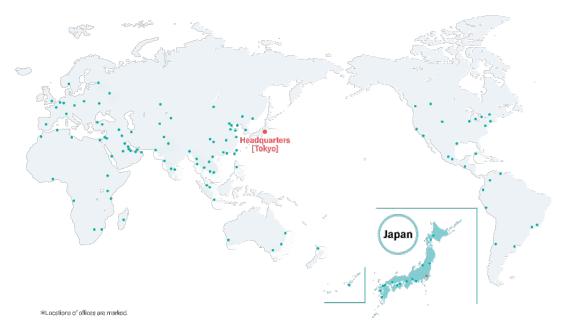
### Introduction of CCS & CDR Business

**Sumitomo Corporation** 

Japan CCS Forum Dec 2025

### **Sumitomo Corporation at a Glance**



Number of Offices 64

countries regions

locations

Fortune Global 500

for 30 years

### Shareholders' equity

(equity attributable to owners of the parent)

4.6tri yen



**Net Income** 

**561.8**bil yen



**Number of Employees** 

(Consolidated Base)

83,327



**Number of Consolidated Subsidiaries** 

507 companies 65 countries & regions

Consolidated Subsidiaries 315

(Japan: 92

Overseas: 223)

**Associated Companies 192** 

(Japan: 46

Overseas: 146)

### **Group Businesses**



Steel **Automotive** 



**Transportation** & Construction **Systems** 



**Diverse Urban Development** 



Media & Digital



Mineral Resources

Chemical **Solutions** 



**Energy** Transformation **Business** 

# **Energy Innovation Initiative (EII) SBU Organization Chart**

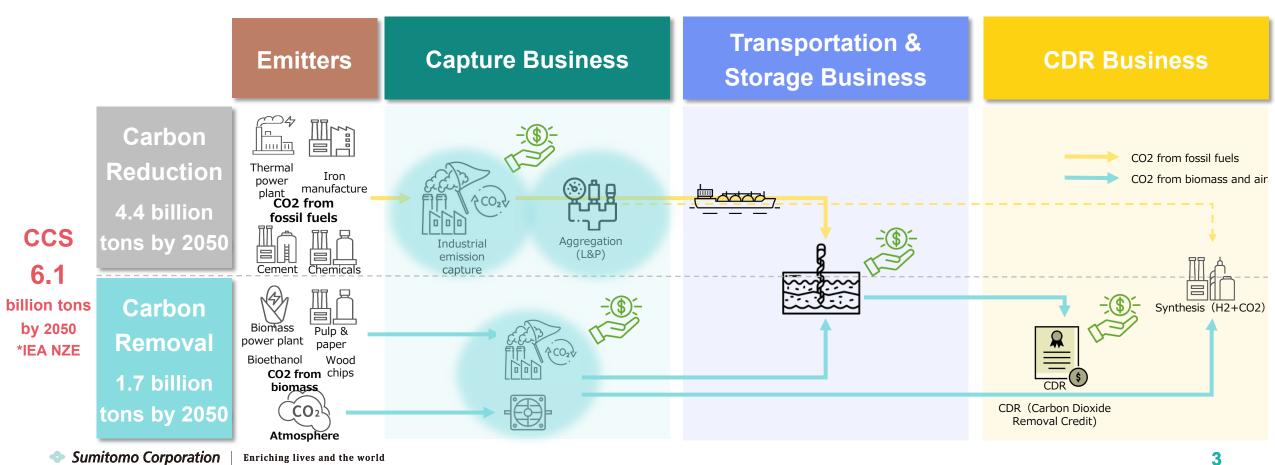
**(SBU : Strategic Business Unit)** [Group] **[EII Unit]** EX Business Group EII SBU Steel Group Hydrogen and ammonia business, **Project Promotion & Management Unit** Hydrogen Business Unit Automotive Group methanation, etc. in Japan and Overseas markets Transportation & Construction Large-scale energy storage business, EX Business Group CFO Office **Energy Storage Business Unit** EV reuse battery business **Systems Group** Forestry business, biomass fuel and Diverse Urban Development Group Forest Resources Business Unit Energy Innovation Initiative (EII) SBU chip trade Next-generation bioenergy business Media & Digital Group Biomass Energy Business Unit Japan Energy Solution SBU development Green power platform business based Lifestyle Business Group Overseas Energy Solution SBU Power Frontier Business Unit on renewable energy and corporate **CCUS & Subsurface Energy** CCUS-related business development, Mineral Resources Group Indonesia Energy Solution SBU subsurface energy business **Business Unit** Chemical Solutions Group Development, promotion and trading Gas Value Chain SBU Carbon Solution Business Unit of carbon credit business Energy Transformation (EX) Cross-Industry Collaboration & Coss-Organizational roles, Cross-Maritime Energy Solution SBU **Business Group Development Unit** Industry business development

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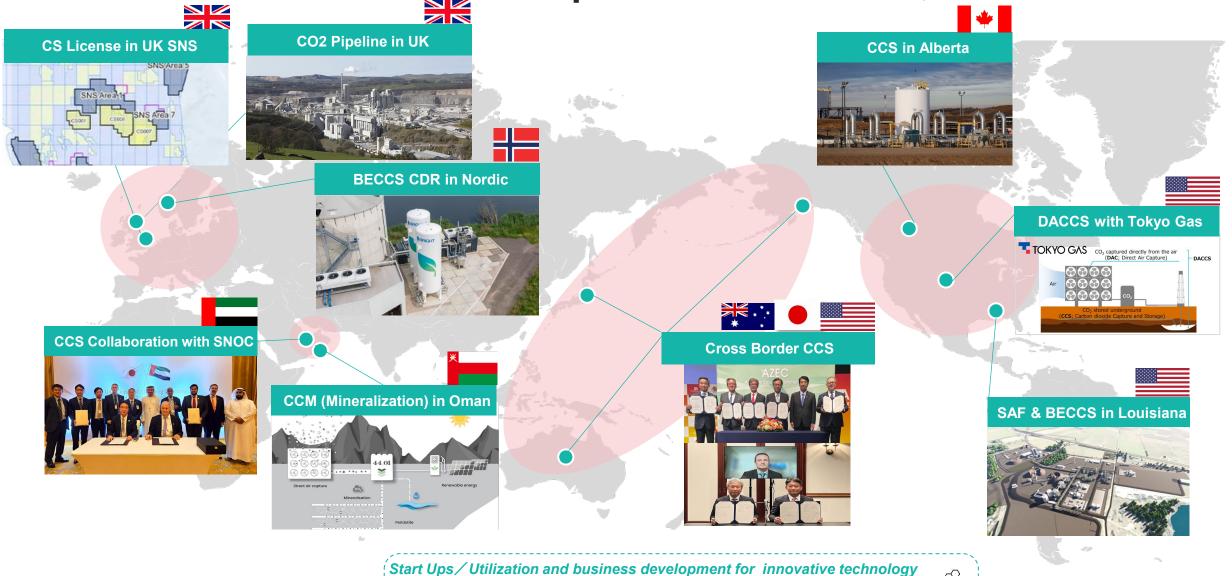
### Our Initiatives and Business Model for CCUS

Our **Initiatives** 

- Establishing CCS value chains from CO2 capturing to transportation and storage.
- In the short to medium term, business development in the Americas and Europe, where regulatory frameworks are wellestablished. In the long term, business development of cross-border CCS (overseas T&S).
- Development and supply of Carbon Dioxide Removal (CDR) credits through the atmospheric and biogenic CO2 capturing.



# Introduction of Sumitomo Corporation – Global CCUS Projects







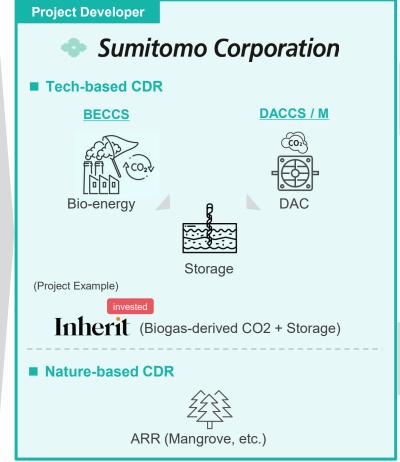




# **CDR Ecosystem and Sumitomo's Positioning**

- As a project developer, Sumitomo proactively develops CDR projects globally.
- We will work towards building a CDR ecosystem including technology development and sales & marketing.









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# **Market Environment Review (2025)**

Blue: Tailwind for the CCS/CDR Red: Headwinds for CCS/CDR

- Decarbonization momentum faces headwinds, but CCS/CDR advance in both policy and markets.
  - > CCS: US remains uncertain but 45Q is maintained; low-cost capture projects move ahead. Europe sees government-backed large projects. Japan is moving toward concrete support policy
  - > CDR: US DAC Hub support is frozen but 45Q continues; voluntary market demand expands. Policy frameworks such as SBTi and ETS integration are progressing.

Region	Policy	Market (Major Projects)
ccs		
Unites States	•OBBB Act (US): 45Q/45Z extended (Jul 2025)	
Canada	<ul> <li>Federal election: Liberal gov. continues decarbonization (Apr 2025);</li> <li>MOU between Federal and Alberta (Nov 2025)</li> </ul>	
Europe	<ul> <li>UK Track-1/2: New gov. confirms CCS support despite budget review (Jun 2025);</li> <li>EU Net Zero Industrial Act: CO<sub>2</sub> storage obligation for O&amp;G (Jun 2025)</li> </ul>	<ul><li>HyNet/NEP</li><li>Northern Lights/Green</li><li>Sands</li></ul>
Japan	Gov. support framework for domestic CCS pipeline projects (Jun 2025)	<ul> <li>Tomakomai &amp; Chiba</li> <li>Offshore</li> </ul>
CDR		
Global	<ul> <li>DOE (US): DAC Hub grant funding frozen (Mar 2025);</li> <li>OBBB Act (US): 45Q extended (Jul 2025);</li> <li>UK ETS: CDR integration from 2029 (Jul 2025);</li> <li>IMO: Net-Zero Framework postponed by 1 year (Oct 2025)</li> <li>IPCC: CCUS &amp; CDR accounting for NDCs (Oct 2025)</li> <li>SBTi v2.0: Stronger role for CDR in the draft v2 (Nov 2025);</li> <li>CORSIA: CDR eligibility (DACCS, Biochar) (Nov 2025)</li> <li>Germany, Australia: Progress in CDR Policy and Roadmap (Nov 2025)</li> </ul>	
Japan	<ul> <li>GX-ETS: 10% credit cap, limited CDR included (Jul 2025);</li> <li>Japan CDR Coalition: Official launch by MRI, MC, Sumitomo &amp; Others (Sep 2025)</li> </ul>	6

### **Recent Projects**

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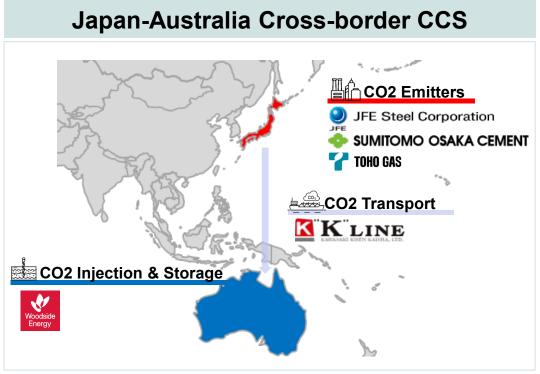
### Feasibility Study to Establish Cross-border CCS VC

News Release on October 11, 2024 : Signed a Joint Study Agreement for CCS Feasibility Study in Alaska, USA | Sumitomo Corporation

News Release on December 18, 2023 : MOU for Feasibility Study to Realize "Setouchi / Shikoku CO2 Hub Concept" | Sumitomo Corporation

News Release on September 7, 2023 : MOU for Feasibility Study to Establish a Japan-Australia CCS Value Chain | Sumitomo Corporation

- Sumitomo conducts joint feasibility studies for the establishment of a cross-border CCS value chain between Japan and Australia, as well as between Japan and the United States.
- By achieving cost competitive cross-border CCS business, we aim to contribute to Japan's decarbonization efforts.





The Scene of the MOU Ceremony at the ASEAN-Japan Economic Co-Creation Forum

(From left, SC, "K" LINE, Sumitomo Osaka Cement, JFE Steel, METI, Woodside)

# CO2 Injection & Storage Hilcorp CO2 Emitters CO2 aggregated in Japan



The scene of the Signing Ceremony for the joint study agreement

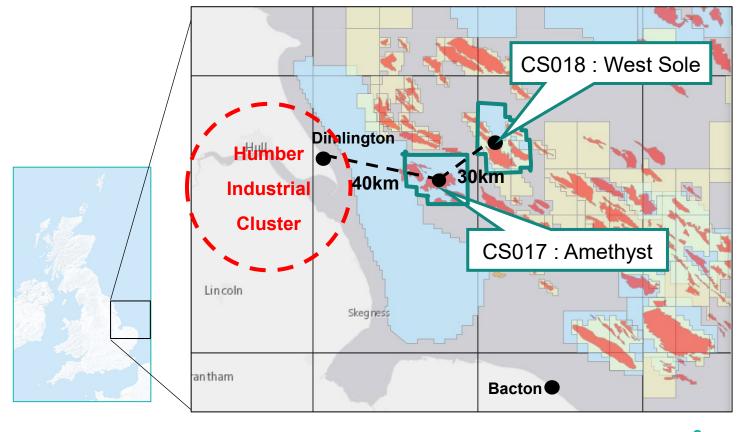
(From left, "K" LINE, Hilcorp Alaska, SC)

# Project Orion: Acquisition of Carbon Storage Licenses in the UK

News Release on November 17, 2023: Acquisition of Carbon Storage Licenses in UK North Sea | Sumitomo Corporation

- First license acquisition by Summit Energy Evolution Ltd (SEEL), which is a wholly owned subsidiary company of Sumitomo.
- Project Orion comprises two CS licenses cover the Perenco UK operated Amethyst and West Sole gas fields, respectively.
- Access to the number of emitters in Humber, one of the largest industrial clusters in UK.

Key Project Metrics		
Licenses	CS017 (Amethyst) CS018 (West Sole)	
Partners	Perenco UK Ltd (80%, Op) Carbon Catalyst Ltd (10%) SEEL (10%)	
FID	2029	
Injection Start	2031	
Injection Rate	Initial 1 Mtpa Maximum 6.5 Mtpa	
Injection Period	30 years	
Firm Work Obligation	Desktop Studies	
Initial License Term	5.5 years	



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# Peak Cluster: CO2 Pipeline Development

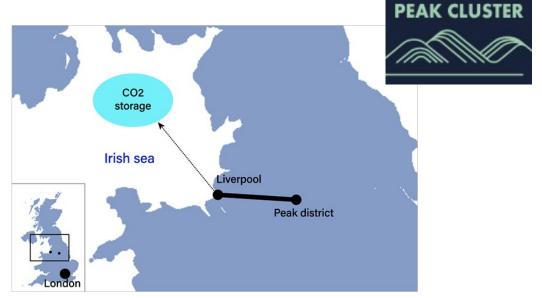
News Release on July 8, 2025: Investment in CO2 transportation pipeline project to decarbonize UK cement and lime

- Strategic investment into a key UK CO2 pipeline development project via SEEL, targeting hard to abate process CO2
- Aiming to transport CO2 produced in the Peak District, representing 40% of the UK's domestic cement and lime production
- Permanent geological storage via Morecambe Bay Net Zero, one of the biggest UK CO2 storage sites





Key Project Metrics			
Pre-FID development cost	GBP59.6 mil		
FID	2028~		
CO2 Volume	3.0 mtpa		





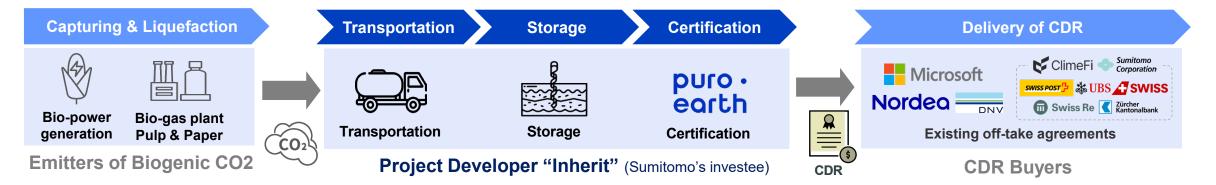
### Investment in Inherit



News Release on January 22, 2024: Sumitomo Corporation has invested in Inherit Carbon Solutions, a pioneer in CO2 removal (CDR) from biogas | Sumitomo Corporation

- A Norwegian company that captures & stores CO2 derived from biomass and conducts Carbon Dioxide Removal (CDR).
- Inherit plans to create and sell CDR credits by collecting biogenic CO2 starting from tens of thousands of tons since 2026 (Storage sites will be in Nordic countries).

### **■ Business Model**



### **■ Company Profile**

Name	Inherit Carbon Solutions AS	
Establishment	2021	
Location	Oslo, Norway (HQ)	
Business	BECCS – CDR generation through geologic storage of CO2 from biomethane plants in Nordic	
Founders	Michael Carpenter, Co-CEO & Founder Kaja Voss, Co-CEO & Founder	
Shareholders	<b>eholders</b> Founders, <b>Sumitomo Corporation</b> , Equinor Ventures, etc.	



Biogas Plant (Gasum)



Inherit signed multi-year CDR offtake agreement with Microsoft

## **BECCS CDR from Norway to Switzerland**

- Engaged CDR offtake agreement with Swiss buyer through ClimeFi (France-based buyer's agent), as the pilot ITMO transfer between Norway and Switzerland under Article 6 of the Paris Agreement in June 2025.
- Planning to deliver BECCS CDR from Inherit (Norway-based CDR developer).
  - CDR trading flow (Ref: ClimeFi)















Norway-based CDR developer

France-based buyer's agent

Switzerland-based CDR off-takers

### ITMOs outline :

- ITMO stands for Internationally Transferred Mitigation Outcomes.
- Framework for transferable CDR credits of greenhouse gas (GHG) emission reduction under Article 6.2 of the Paris Agreement
- Norway and Switzerland governments have announced the first international Article 6.2 transfers for durable CO2 removals between the countries.



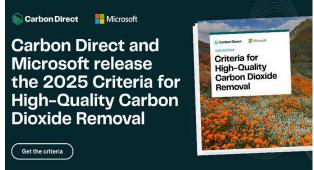
Signing ceremony in Norway on June 17, 2025

## **Strategic Collaboration with Carbon Direct**

• Sumitomo Corporation has executed a MOU with Carbon Direct Inc. in December 2024 for co-development and supply of high-quality CDR to support global & Japanese buyers in building their CDR portfolios.

### ■ About Carbon Direct



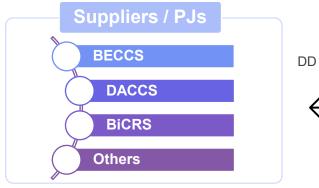


Co-publishing the "Criteria for High-Quality CDR" with Microsoft annually (since 2022)

### ■ MOU signing ceremony



### ■ Collaboration scheme







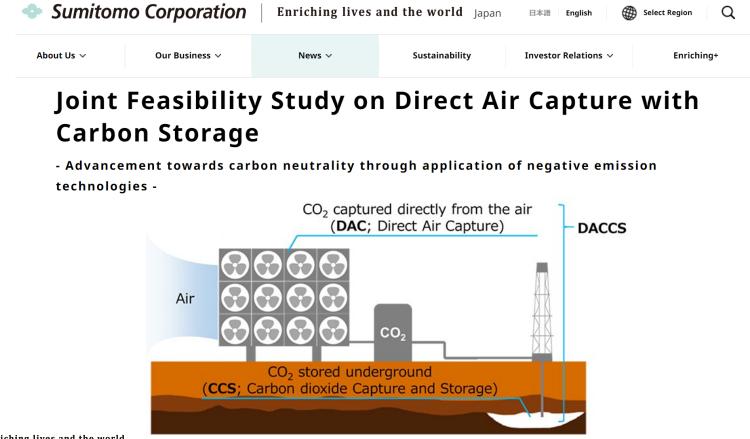




# **DACCS Collaboration with Tokyo Gas**

News Release on March 14, 2024: Joint Feasibility Study on Direct Air Capture with Carbon Storage | Sumitomo Corporation

- Sumitomo and Tokyo Gas signed a MOU to jointly conduct a feasibility study on DAC with Carbon Storage.
- The Study will include the assessment of suitable storage sites in North America amongst other regions and evaluation of DAC technologies, from Japan and overseas, with the aim of identifying future joint business opportunities.



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