

Facilities and capture at a glance

Project count rose 13% year on year, while total pipeline capture capacity rose 2%.

GLOBAL STATUS OF CCS (2026)

SUSTAINING
GLOBAL
PROGRESS

CCS continued to scale in 2026 despite a challenging geopolitical landscape and broader energy priorities. Commercial projects entered operation across more regions and industries.

Project numbers are rising faster than capture capacity. New projects average about 0.5 Mtpa, while dedicated CO₂ transport and storage developments increasingly underpin network deployment.

113

operational commercial CCS projects as at 31 July 2026

832

Projects in the global pipeline, up 13% year on year

68 Mtpa

Operational capture capacity, up 6% year on year

522 Mtpa

Total capture capacity across the project pipeline, up 2%

59

Commercial CCS projects under construction

660

Projects in development: 352 early and 308 advanced

266

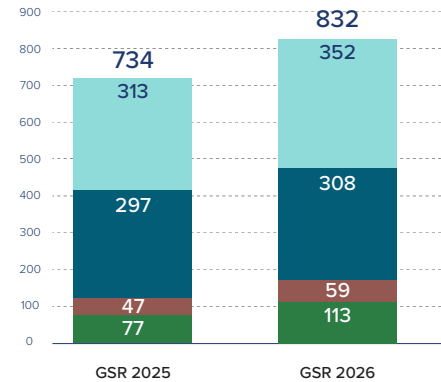
CO₂ transport and storage projects, 32% of total

98

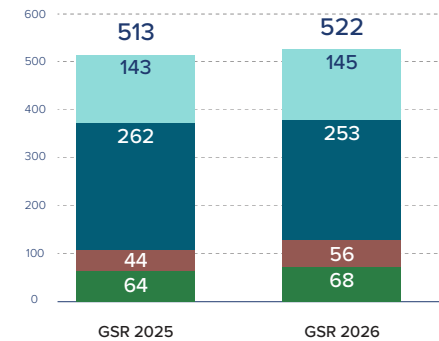
Net increase of 98 projects since GSR 2025

Commercial CCS projects and capture capacity

Number of projects



Capture capacity (Mtpa)



● In operation ● In construction ● Advanced development ● Early development

Networks become infrastructure

Dedicated CO₂ transport and storage projects now account for 32% of the global project pipeline.

Storage as a service is emerging

Northern Lights began commercial CO₂ transport and storage services in 2025, with Phase 2 under construction. In the US, ExxonMobil has around 9 Mtpa of CO₂ under contract for transport and storage.

Private finance is expanding

Port of Rotterdam raised €50 million through the first CCS bond for Porthos. Eni CCUS Holding secured more than £500 million from 13 international lenders.

The scale gap remains

The global project pipeline totals 522 Mtpa of capture capacity - just over half a gigatonne per year, and still well below the gigatonnes required.

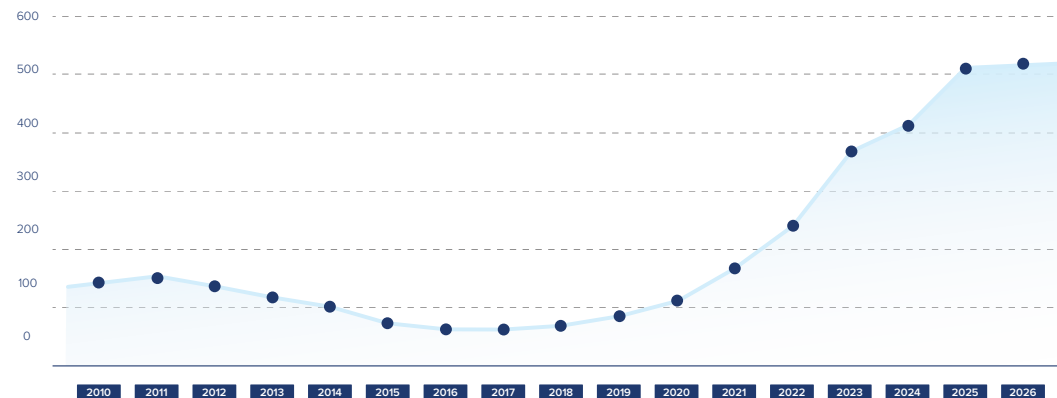
Policy and regulation broadened

Recent national and subnational examples include new permits or licences in Denmark, Greece, Malaysia, the Netherlands and the United States, alongside new CCS legislation in Western Australia.

Carbon markets evolved

Japan introduced GX-ETS in April 2026. CCS is now included in national carbon markets in five countries.

Global commercial CCS pipeline capture capacity, 2010 to 2026



Operating capture capacity is expected to rise by 82% and surpass 100 Mtpa as projects now under construction enter service.

Regional spotlight

Deployment advances fastest where policy, regulation, infrastructure access and finance move together.

GLOBAL STATUS OF CCS (2026)

SUSTAINING GLOBAL PROGRESS

Progress remains uneven across regions. The next phase depends increasingly on whether governments, industry and investors can create the conditions for projects to reach operation.

Americas

Policy and infrastructure

63 operational and 18 under construction. Canada extended the 50% CCUS Investment Tax Credit eligibility window to 2035 and included EOR. The US enacted 33 CCS laws across 17 states.

More than 48 Mtpa operational

Europe

National delivery

15 operational and 21 under construction. Capture capacity could reach up to 141 Mtpa if all current projects proceed, from 3 Mtpa in operation today. Around 9,000 km of CO₂ pipelines are planned

€240m in EU funding for 10 cross-border CO₂ transport and storage projects

Middle East and Africa

Gulf-led project execution

5 operational and 5 under construction. Jubail targets 9 Mtpa by 2028. Qatar progressed the 4.3 Mtpa Ras Laffan CCS project. Oman plans more than 800 km of CO₂ network.

Regional policy support expanded

APAC and India

Regulation and funding

3 operational and 4 under construction. Malaysia, Western Australia and Indonesia advanced regulation. India committed approximately USD 2.2 billion (₹20,000 crore) over five years.

Pre-FID pipeline rose from 49 to 62

China

Targets and standards

The 15th Five-Year Plan targets 10 Mt annual CO₂ injection by 2030. Twelve standards took effect in July 2026. Huaneng commissioned a 1.5 Mtpa facility.

10 Mt annual CO₂ injection target by 2030

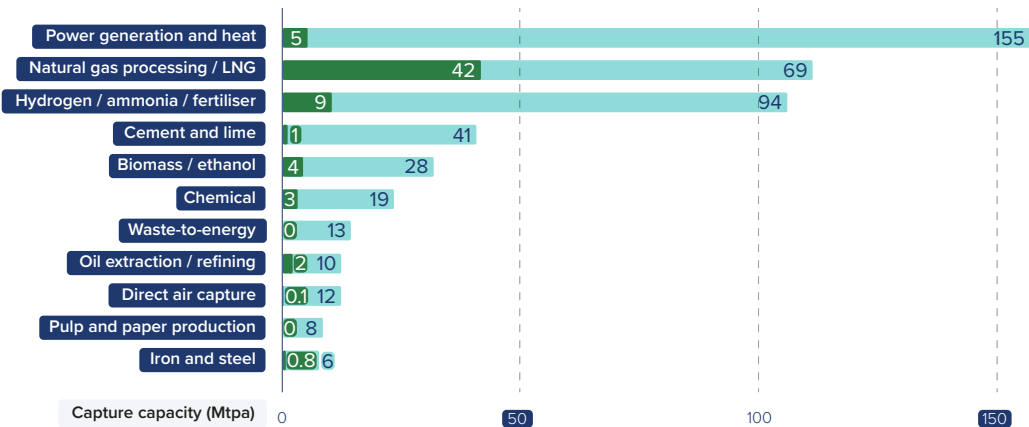
Japan

Commercial framework

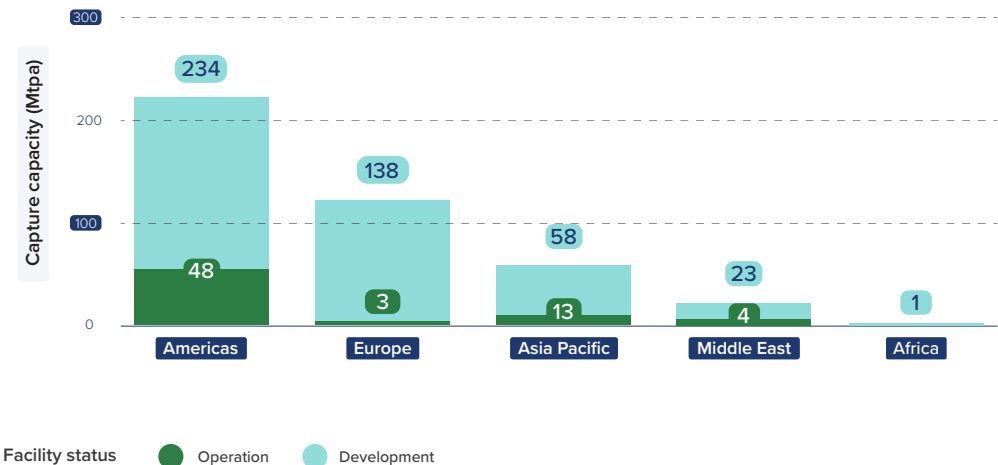
The CCS Business Act is fully in effect. Nine Advanced CCS Projects are progressing. Government is assessing 15-year cost-for-difference support.

6 to 12 Mt annually by early 2030s

Projected capture capacity by industry, based on current project announcements



Projected capture capacity by region based on current project announcements



“ The next phase of CCS is about delivery: turning project momentum into operating infrastructure through durable policy, clear regulation, and bankable commercial models.

Jarad Daniels, CEO, Global CCS Institute

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