

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Carbon Capture, Utilization, and Storage (CCUS) Technologies market size is expected to reach \$ 8210 million by 2032, rising at a market growth of 7.3% CAGR during the forecast period (2026-2032).

Carbon Capture, Utilization, and Storage (CCUS) technologies refer to an integrated set of low-carbon solutions designed to capture carbon dioxide (CO₂) from industrial and energy-related emission sources, and either reuse it or permanently store it to prevent its release into the atmosphere. CCUS typically consists of three stages: carbon capture from major emitters such as power plants, steel, cement, and chemical facilities; carbon utilization in applications such as chemicals, fuels, construction materials, or enhanced oil and gas recovery; and carbon storage through long-term injection into deep geological formations. CCUS is widely regarded as a critical enabling technology for deep decarbonization and achieving net-zero targets.

The CCUS technologies market is expanding steadily, driven by global net-zero commitments and increasing decarbonization pressure on hard-to-abate sectors such as power generation, oil and gas, steel, cement, and chemicals. The current market is still dominated by carbon capture and storage projects, while carbon utilization applications are moving toward accelerated commercialization. Overall, the market exhibits characteristics of strong policy support, pilot and demonstration projects, and gradually declining costs. With the expansion of carbon pricing mechanisms, government incentives, and growing investment from large industrial players, the CCUS market is expected to evolve from demonstration-based deployment to large-scale industrial adoption.

This report studies the global Carbon Capture, Utilization, and Storage (CCUS) Technologies demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Carbon

Capture, Utilization, and Storage (CCUS) Technologies, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Carbon Capture, Utilization, and Storage (CCUS) Technologies that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies total market, 2021-2032, (USD Million)

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Carbon Capture, Utilization, and Storage (CCUS) Technologies total market, key domestic companies, and share, (USD Million)

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies revenue by player, revenue and market share 2021-2026, (USD Million)

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies total market by Type, CAGR, 2021-2032, (USD Million)

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Carbon Capture, Utilization, and Storage (CCUS) Technologies market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Exxon Mobil, SLB, Linde PLC, Mitsubishi, Huaneng, BASF, Halliburton, Siemens AG, General Electric, Honeywell UOP, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Carbon Capture, Utilization, and Storage (CCUS) Technologies market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies Market,
Segmentation by Type:

Pre-Combustion Carbon Capture

Oxy-Combustion Carbon Capture

Post-Combustion Carbon Capture

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies Market,
Segmentation by Capture Technology:

Amine-based Absorption Systems

Solid Sorbent Adsorption Systems

Membrane Separation Systems

Others

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies Market,
Segmentation by Deployment Model:

Point-source Capture

Industrial Hub Capture

Modular Capture

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies Market,
Segmentation by Application:

Oil & Gas

Power Generation

Others

Companies Profiled:

Exxon Mobil

SLB

Linde PLC

Mitsubishi

Huaneng

BASF

Halliburton

Siemens AG

General Electric

Honeywell UOP

Carbonfree

Shell

JX Nippon (ENEOS)

Sulzer

Equinor

Sinopec

Fluor Corporation

Key Questions Answered

1. How big is the global Carbon Capture, Utilization, and Storage (CCUS) Technologies market?
2. What is the demand of the global Carbon Capture, Utilization, and Storage (CCUS) Technologies market?
3. What is the year over year growth of the global Carbon Capture, Utilization, and Storage (CCUS) Technologies market?
4. What is the total value of the global Carbon Capture, Utilization, and Storage (CCUS) Technologies market?
5. Who are the Major Players in the global Carbon Capture, Utilization, and Storage (CCUS) Technologies market?
6. What are the growth factors driving the market demand?

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