

Global Carbon Capture Utilization and Storage Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Carbon Capture Utilization and Storage 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) refers to a suite of technologies that capture carbon dioxide (CO₂) emissions from large point sources such as power generation, cement, steel, and chemical production, and subsequently utilize the captured CO₂ in industrial processes or permanently store it in geological formations such as depleted oil and gas reservoirs or deep saline aquifers. CCUS is regarded as a critical decarbonization pathway for hard-to-abate sectors and a key enabler for achieving net-zero emission targets.

The global Carbon Capture Utilization and Storage (CCUS) market is transitioning from pilot and demonstration projects toward early-stage commercialization, driven by national net-zero commitments, carbon pricing mechanisms, government incentives, and increasing decarbonization pressure on heavy industries. Current demand is concentrated in power generation, cement, steel, and chemical sectors, while CO₂-enhanced oil recovery (EOR) remains an important early revenue-generating application. As capture costs decline and CO₂ transport and storage infrastructure expands, the CCUS market is shifting from isolated projects to integrated hubs and clusters, positioning it for substantial long-term growth.

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

This report is a detailed and comprehensive analysis of the world market for Carbon Capture Utilization and Storage, 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 that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

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

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

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

This report profiles major players in the global Carbon Capture Utilization and Storage 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 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 Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Carbon Capture Utilization and Storage Market, Segmentation by Type:

Pre-Combustion Carbon Capture

Oxy-Combustion Carbon Capture

Post-Combustion Carbon Capture

Global Carbon Capture Utilization and Storage Market, Segmentation by Capture Technology:

Amine-based Absorption Systems

Solid Sorbent Adsorption Systems

Membrane Separation Systems

Others

Global Carbon Capture Utilization and Storage Market, Segmentation by Capture Capacity:

Micro Systems:

Small Systems: 100?1,000 tCO₂/year

Medium-compact Systems: 1,000?10,000 tCO₂/year

Global Carbon Capture Utilization and Storage 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 market?
2. What is the demand of the global Carbon Capture Utilization and Storage market?
3. What is the year over year growth of the global Carbon Capture Utilization and Storage market?
4. What is the total value of the global Carbon Capture Utilization and Storage market?
5. Who are the Major Players in the global Carbon Capture Utilization and Storage market?
6. What are the growth factors driving the market demand?

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