

Global Carbon Capture, Utilization, and Storage (CCUS) Technologies Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Carbon Capture, Utilization, and Storage (CCUS) Technologies market size is predicted to grow from US\$ 4797 million in 2025 to US\$ 8006 million in 2032; it is expected to grow at a CAGR of 7.7% from 2026 to 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.

LPI (LP Information)' newest research report, the “Carbon Capture, Utilization, and Storage (CCUS) Technologies Industry Forecast” looks at past sales and reviews total world Carbon Capture, Utilization, and Storage (CCUS) Technologies sales in 2025, providing a comprehensive analysis by region and market sector of projected Carbon Capture, Utilization, and Storage (CCUS) Technologies sales for 2026 through 2032. With Carbon Capture, Utilization, and Storage (CCUS) Technologies sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Carbon Capture, Utilization, and Storage (CCUS) Technologies industry.

This Insight Report provides a comprehensive analysis of the global Carbon Capture, Utilization, and Storage (CCUS) Technologies landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Carbon Capture, Utilization, and Storage (CCUS) Technologies portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Carbon Capture, Utilization, and Storage (CCUS) Technologies market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Carbon Capture, Utilization, and Storage (CCUS) Technologies and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Carbon Capture, Utilization, and Storage (CCUS) Technologies.

This report presents a comprehensive overview, market shares, and growth opportunities of Carbon Capture, Utilization, and Storage (CCUS) Technologies market by product type, application, key players and key regions and countries.

Segmentation by Type:

Pre-Combustion Carbon Capture

Oxy-Combustion Carbon Capture

Post-Combustion Carbon Capture

Segmentation by Capture Technology:

Amine-based Absorption Systems

Solid Sorbent Adsorption Systems

Membrane Separation Systems

Others

Segmentation by Deployment Model:

Point-source Capture

Industrial Hub Capture

Modular Capture

Segmentation by Application:

Oil & Gas

Power Generation

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

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

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