

Global Carbon Capture and Sequestration Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Carbon Capture and Sequestration market size was valued at USD 5404 million in 2023 and is forecast to a readjusted size of USD 8889.3 million by 2030 with a CAGR of 7.4% during review period.

Carbon Capture and Storage (CCS) is a technology that can capture up to 90% of the carbon dioxide (CO2) emissions produced from the use of fossil fuels in electricity generation and industrial processes, preventing the carbon dioxide from entering the atmosphere.

Carbon dioxide can be captured out of air or fossil fuel power plant flue gas using adsorption (or carbon scrubbing), membrane gas separation, or adsorption technologies. Amines are the leading carbon scrubbing technology. Storage of the CO2 is envisaged either in deep geological formations, or in the form of mineral carbonates. Geological formations are currently considered the most promising sequestration sites.

The Carbon Capture and Sequestration (CCS) market was valued at 4430 Million US\$ in 2017 and is projected to reach 14200 Million US\$ by 2025, at a CAGR of 15.7% during the forecast period. In this study, 2017 has been considered as the base year and 2018 to 2025 as the forecast period to estimate the market size for Carbon Capture and Sequestration (CCS).

The Global Info Research report includes an overview of the development of the Carbon Capture and Sequestration industry chain, the market status of Oil & Gas (Oxy-Combustion, Pre-Combustion), Power Generation (Oxy-Combustion, Pre-Combustion),



and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Carbon Capture and Sequestration.

Regionally, the report analyzes the Carbon Capture and Sequestration markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Carbon Capture and Sequestration market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Carbon Capture and Sequestration market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Carbon Capture and Sequestration industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Oxy-Combustion, Pre-Combustion).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Carbon Capture and Sequestration market.

Regional Analysis: The report involves examining the Carbon Capture and Sequestration market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Carbon Capture and Sequestration market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.



The report also involves a more granular approach to Carbon Capture and Sequestration:

Company Analysis: Report covers individual Carbon Capture and Sequestration players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Carbon Capture and Sequestration This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Oil & Gas, Power Generation).

Technology Analysis: Report covers specific technologies relevant to Carbon Capture and Sequestration. It assesses the current state, advancements, and potential future developments in Carbon Capture and Sequestration areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Carbon Capture and Sequestration market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Carbon Capture and Sequestration market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Oxy-Combustion

Pre-Combustion

Post-Combustion



Market segment by Application

Oil & Gas

Power Generation

Others

Market segment by players, this report covers

Exxon Mobil Corporation

Schlumberger

China Huaneng Group

Linde AG

Halliburton

BASF

General Electric

Siemens

Honeywell UOP

Sulzer

Equinor

NRG

Aker Solutions

Shell



Eaton

Mitsubishi Heavy Industries

Fluor

Sinopec

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Carbon Capture and Sequestration product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Carbon Capture and Sequestration, with revenue, gross margin and global market share of Carbon Capture and Sequestration from 2019 to 2024.

Chapter 3, the Carbon Capture and Sequestration competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with



revenue and market share for key countries in the world, from 2019 to 2024.and Carbon Capture and Sequestration market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Carbon Capture and Sequestration.

Chapter 13, to describe Carbon Capture and Sequestration research findings and conclusion.



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