

# Global CO<sub>2</sub> Capture System Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global CO<sub>2</sub> Capture System market size is expected to reach \$ 9401 million by 2032, rising at a market growth of 15.2% CAGR during the forecast period (2026-2032).

A CO<sub>2</sub> Capture System is a set of industrial technologies and equipment designed to separate, capture, and concentrate carbon dioxide (CO<sub>2</sub>) from industrial flue gases, power plant emissions, or directly from the ambient air. Captured CO<sub>2</sub> is then compressed, transported, and either stored permanently (via carbon capture and storage, CCS) or utilized (via carbon capture, utilization, and storage, CCUS) in applications like enhanced oil recovery (EOR), food processing, or synthetic fuel production. The core goal of these systems is to reduce anthropogenic CO<sub>2</sub> emissions and mitigate climate change.

CO<sub>2</sub> capture systems are critical for hard-to-abate industries (e.g., cement, steel, chemicals, power generation) where direct emission reduction via renewable energy replacement is technically or economically challenging.

This report studies the global CO<sub>2</sub> Capture System demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for CO<sub>2</sub> Capture System, 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 CO<sub>2</sub> Capture System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global CO<sub>2</sub> Capture System total market, 2021-2032, (USD Million)

Global CO<sub>2</sub> Capture System total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: CO<sub>2</sub> Capture System total market, key domestic companies, and share, (USD Million)

Global CO<sub>2</sub> Capture System revenue by player, revenue and market share 2021-2026, (USD Million)

Global CO<sub>2</sub> Capture System total market by Type, CAGR, 2021-2032, (USD Million)

Global CO<sub>2</sub> Capture System total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global CO<sub>2</sub> Capture System 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 Linde, Mitsubishi Heavy Industries, Koch Modular, GEA, Fluor Corporation, Air Products, Asco Carbon Dioxide, Sumitomo Seika Chemicals, Generon, Bright Biomethane, 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 CO<sub>2</sub> Capture System 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 CO<sub>2</sub> Capture System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global CO<sub>2</sub> Capture System Market, Segmentation by Type:

Post-Combustion Capture System

Pre-Combustion Capture System

Oxy-Combustion Capture System

Global CO<sub>2</sub> Capture System Market, Segmentation by CO<sub>2</sub> Separation Principle:

Absorption-Based CO<sub>2</sub> Capture System

Adsorption-Based CO<sub>2</sub> Capture System

Membrane-Based CO<sub>2</sub> Capture System

Cryogenic-Based CO<sub>2</sub> Capture System

Biological-Based CO<sub>2</sub> Capture System

## Global CO<sub>2</sub> Capture System Market, Segmentation by Application:

Power Generation Industry

Energy Production

Industrial Utilization

Others

## Companies Profiled:

Linde

Mitsubishi Heavy Industries

Koch Modular

GEA

Fluor Corporation

Air Products

Asco Carbon Dioxide

Sumitomo Seika Chemicals

Generon

Bright Biomethane

Kinder Morgan

Gulf Cryo

Shell Cansolv

## Mellcon Engineers

### Key Questions Answered

1. How big is the global CO<sub>2</sub> Capture System market?
2. What is the demand of the global CO<sub>2</sub> Capture System market?
3. What is the year over year growth of the global CO<sub>2</sub> Capture System market?
  
4. What is the total value of the global CO<sub>2</sub> Capture System market?
  
5. Who are the Major Players in the global CO<sub>2</sub> Capture System market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 CO<sub>2</sub> Capture System Introduction
- 1.2 World CO<sub>2</sub> Capture System Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World CO<sub>2</sub> Capture System Total Market by Region (by Headquarter Location)
  - 1.3.1 World CO<sub>2</sub> Capture System Market Size by Region (2021-2032), (by Headquarter Location)
  - 1.3.2 United States Based Company CO<sub>2</sub> Capture System Revenue (2021-2032)
  - 1.3.3 China Based Company CO<sub>2</sub> Capture System Revenue (2021-2032)
  - 1.3.4 Europe Based Company CO<sub>2</sub> Capture System Revenue (2021-2032)
  - 1.3.5 Japan Based Company CO<sub>2</sub> Capture System Revenue (2021-2032)
  - 1.3.6 South Korea Based Company CO<sub>2</sub> Capture System Revenue (2021-2032)
  - 1.3.7 ASEAN Based Company CO<sub>2</sub> Capture System Revenue (2021-2032)
  - 1.3.8 India Based Company CO<sub>2</sub> Capture System Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 CO<sub>2</sub> Capture System Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World CO<sub>2</sub> Capture System Consumption Value (2021-2032)
- 2.2 World CO<sub>2</sub> Capture System Consumption Value by Region
  - 2.2.1 World CO<sub>2</sub> Capture System Consumption Value by Region (2021-2026)
  - 2.2.2 World CO<sub>2</sub> Capture System Consumption Value Forecast by Region (2027-2032)
- 2.3 United States CO<sub>2</sub> Capture System Consumption Value (2021-2032)
- 2.4 China CO<sub>2</sub> Capture System Consumption Value (2021-2032)
- 2.5 Europe CO<sub>2</sub> Capture System Consumption Value (2021-2032)
- 2.6 Japan CO<sub>2</sub> Capture System Consumption Value (2021-2032)
- 2.7 South Korea CO<sub>2</sub> Capture System Consumption Value (2021-2032)
- 2.8 ASEAN CO<sub>2</sub> Capture System Consumption Value (2021-2032)
- 2.9 India CO<sub>2</sub> Capture System Consumption Value (2021-2032)

### 3 WORLD CO<sub>2</sub> CAPTURE SYSTEM COMPANIES COMPETITIVE ANALYSIS

- 3.1 World CO<sub>2</sub> Capture System Revenue by Player (2021-2026)

### 3.2 Industry Rank and Concentration Rate (CR)

3.2.1 Global CO<sub>2</sub> Capture System Industry Rank of Major Players

3.2.2 Global Concentration Ratios (CR4) for CO<sub>2</sub> Capture System in 2025

3.2.3 Global Concentration Ratios (CR8) for CO<sub>2</sub> Capture System in 2025

### 3.3 CO<sub>2</sub> Capture System Company Evaluation Quadrant

### 3.4 CO<sub>2</sub> Capture System Market: Overall Company Footprint Analysis

3.4.1 CO<sub>2</sub> Capture System Market: Region Footprint

3.4.2 CO<sub>2</sub> Capture System Market: Company Product Type Footprint

3.4.3 CO<sub>2</sub> Capture System Market: Company Product Application Footprint

### 3.5 Competitive Environment

3.5.1 Historical Structure of the Industry

3.5.2 Barriers of Market Entry

3.5.3 Factors of Competition

### 3.6 Mergers & Acquisitions Activity

## **4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)**

### 4.1 United States VS China: CO<sub>2</sub> Capture System Revenue Comparison (by Headquarter Location)

4.1.1 United States VS China: CO<sub>2</sub> Capture System Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)

4.1.2 United States VS China: CO<sub>2</sub> Capture System Revenue Market Share Comparison (2021 & 2025 & 2032)

### 4.2 United States Based Companies VS China Based Companies: CO<sub>2</sub> Capture System Consumption Value Comparison

4.2.1 United States VS China: CO<sub>2</sub> Capture System Consumption Value Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: CO<sub>2</sub> Capture System Consumption Value Market Share Comparison (2021 & 2025 & 2032)

### 4.3 United States Based CO<sub>2</sub> Capture System Companies and Market Share, 2021-2026

4.3.1 United States Based CO<sub>2</sub> Capture System Companies, Headquarters (States, Country)

4.3.2 United States Based Companies CO<sub>2</sub> Capture System Revenue, (2021-2026)

### 4.4 China Based Companies CO<sub>2</sub> Capture System Revenue and Market Share, 2021-2026

4.4.1 China Based CO<sub>2</sub> Capture System Companies, Company Headquarters (Province, Country)

- 4.4.2 China Based Companies CO<sub>2</sub> Capture System Revenue, (2021-2026)
- 4.5 Rest of World Based CO<sub>2</sub> Capture System Companies and Market Share, 2021-2026
  - 4.5.1 Rest of World Based CO<sub>2</sub> Capture System Companies, Headquarters (Province, Country)
  - 4.5.2 Rest of World Based Companies CO<sub>2</sub> Capture System Revenue (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

- 5.1 World CO<sub>2</sub> Capture System Market Size Overview by Type: 2021 VS 2025 VS 2032
- 5.2 Segment Introduction by Type
  - 5.2.1 Post-Combustion Capture System
  - 5.2.2 Pre-Combustion Capture System
  - 5.2.3 Oxy-Combustion Capture System
- 5.3 Market Segment by Type
  - 5.3.1 World CO<sub>2</sub> Capture System Market Size by Type (2021-2026)
  - 5.3.2 World CO<sub>2</sub> Capture System Market Size by Type (2027-2032)
  - 5.3.3 World CO<sub>2</sub> Capture System Market Size Market Share by Type (2027-2032)

## **6 MARKET ANALYSIS BY CO<sub>2</sub> SEPARATION PRINCIPLE**

- 6.1 World CO<sub>2</sub> Capture System Market Size Overview by CO<sub>2</sub> Separation Principle: 2021 VS 2025 VS 2032
- 6.2 Segment Introduction by CO<sub>2</sub> Separation Principle
  - 6.2.1 Absorption-Based CO<sub>2</sub> Capture System
  - 6.2.2 Adsorption-Based CO<sub>2</sub> Capture System
  - 6.2.3 Membrane-Based CO<sub>2</sub> Capture System
  - 6.2.4 Cryogenic-Based CO<sub>2</sub> Capture System
  - 6.2.5 Biological-Based CO<sub>2</sub> Capture System
- 6.3 Market Segment by CO<sub>2</sub> Separation Principle
  - 6.3.1 World CO<sub>2</sub> Capture System Market Size by CO<sub>2</sub> Separation Principle (2021-2026)
  - 6.3.2 World CO<sub>2</sub> Capture System Market Size by CO<sub>2</sub> Separation Principle (2027-2032)
  - 6.3.3 World CO<sub>2</sub> Capture System Market Size Market Share by CO<sub>2</sub> Separation Principle (2027-2032)

## **7 MARKET ANALYSIS BY APPLICATION**

7.1 World CO<sub>2</sub> Capture System Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Power Generation Industry

7.2.2 Energy Production

7.2.3 Industrial Utilization

7.2.4 Others

7.3 Market Segment by Application

7.3.1 World CO<sub>2</sub> Capture System Market Size by Application (2021-2026)

7.3.2 World CO<sub>2</sub> Capture System Market Size by Application (2027-2032)

7.3.3 World CO<sub>2</sub> Capture System Market Size Market Share by Application (2021-2032)

## **8 COMPANY PROFILES**

8.1 Linde

8.1.1 Linde Details

8.1.2 Linde Major Business

8.1.3 Linde CO<sub>2</sub> Capture System Product and Services

8.1.4 Linde CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

8.1.5 Linde Recent Developments/Updates

8.1.6 Linde Competitive Strengths & Weaknesses

8.2 Mitsubishi Heavy Industries

8.2.1 Mitsubishi Heavy Industries Details

8.2.2 Mitsubishi Heavy Industries Major Business

8.2.3 Mitsubishi Heavy Industries CO<sub>2</sub> Capture System Product and Services

8.2.4 Mitsubishi Heavy Industries CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

8.2.5 Mitsubishi Heavy Industries Recent Developments/Updates

8.2.6 Mitsubishi Heavy Industries Competitive Strengths & Weaknesses

8.3 Koch Modular

8.3.1 Koch Modular Details

8.3.2 Koch Modular Major Business

8.3.3 Koch Modular CO<sub>2</sub> Capture System Product and Services

8.3.4 Koch Modular CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

8.3.5 Koch Modular Recent Developments/Updates

8.3.6 Koch Modular Competitive Strengths & Weaknesses

## 8.4 GEA

### 8.4.1 GEA Details

### 8.4.2 GEA Major Business

### 8.4.3 GEA CO<sub>2</sub> Capture System Product and Services

### 8.4.4 GEA CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.4.5 GEA Recent Developments/Updates

### 8.4.6 GEA Competitive Strengths & Weaknesses

## 8.5 Fluor Corporation

### 8.5.1 Fluor Corporation Details

### 8.5.2 Fluor Corporation Major Business

### 8.5.3 Fluor Corporation CO<sub>2</sub> Capture System Product and Services

### 8.5.4 Fluor Corporation CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.5.5 Fluor Corporation Recent Developments/Updates

### 8.5.6 Fluor Corporation Competitive Strengths & Weaknesses

## 8.6 Air Products

### 8.6.1 Air Products Details

### 8.6.2 Air Products Major Business

### 8.6.3 Air Products CO<sub>2</sub> Capture System Product and Services

### 8.6.4 Air Products CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.6.5 Air Products Recent Developments/Updates

### 8.6.6 Air Products Competitive Strengths & Weaknesses

## 8.7 Asco Carbon Dioxide

### 8.7.1 Asco Carbon Dioxide Details

### 8.7.2 Asco Carbon Dioxide Major Business

### 8.7.3 Asco Carbon Dioxide CO<sub>2</sub> Capture System Product and Services

### 8.7.4 Asco Carbon Dioxide CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.7.5 Asco Carbon Dioxide Recent Developments/Updates

### 8.7.6 Asco Carbon Dioxide Competitive Strengths & Weaknesses

## 8.8 Sumitomo Seika Chemicals

### 8.8.1 Sumitomo Seika Chemicals Details

### 8.8.2 Sumitomo Seika Chemicals Major Business

### 8.8.3 Sumitomo Seika Chemicals CO<sub>2</sub> Capture System Product and Services

### 8.8.4 Sumitomo Seika Chemicals CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.8.5 Sumitomo Seika Chemicals Recent Developments/Updates

### 8.8.6 Sumitomo Seika Chemicals Competitive Strengths & Weaknesses

## 8.9 Generon

### 8.9.1 Generon Details

### 8.9.2 Generon Major Business

### 8.9.3 Generon CO<sub>2</sub> Capture System Product and Services

### 8.9.4 Generon CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.9.5 Generon Recent Developments/Updates

### 8.9.6 Generon Competitive Strengths & Weaknesses

## 8.10 Bright Biomethane

### 8.10.1 Bright Biomethane Details

### 8.10.2 Bright Biomethane Major Business

### 8.10.3 Bright Biomethane CO<sub>2</sub> Capture System Product and Services

### 8.10.4 Bright Biomethane CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.10.5 Bright Biomethane Recent Developments/Updates

### 8.10.6 Bright Biomethane Competitive Strengths & Weaknesses

## 8.11 Kinder Morgan

### 8.11.1 Kinder Morgan Details

### 8.11.2 Kinder Morgan Major Business

### 8.11.3 Kinder Morgan CO<sub>2</sub> Capture System Product and Services

### 8.11.4 Kinder Morgan CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.11.5 Kinder Morgan Recent Developments/Updates

### 8.11.6 Kinder Morgan Competitive Strengths & Weaknesses

## 8.12 Gulf Cryo

### 8.12.1 Gulf Cryo Details

### 8.12.2 Gulf Cryo Major Business

### 8.12.3 Gulf Cryo CO<sub>2</sub> Capture System Product and Services

### 8.12.4 Gulf Cryo CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

### 8.12.5 Gulf Cryo Recent Developments/Updates

### 8.12.6 Gulf Cryo Competitive Strengths & Weaknesses

## 8.13 Shell Cansolv

### 8.13.1 Shell Cansolv Details

### 8.13.2 Shell Cansolv Major Business

### 8.13.3 Shell Cansolv CO<sub>2</sub> Capture System Product and Services

### 8.13.4 Shell Cansolv CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)

- 8.13.5 Shell Cansolv Recent Developments/Updates
- 8.13.6 Shell Cansolv Competitive Strengths & Weaknesses
- 8.14 Mellcon Engineers
  - 8.14.1 Mellcon Engineers Details
  - 8.14.2 Mellcon Engineers Major Business
  - 8.14.3 Mellcon Engineers CO<sub>2</sub> Capture System Product and Services
  - 8.14.4 Mellcon Engineers CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026)
  - 8.14.5 Mellcon Engineers Recent Developments/Updates
  - 8.14.6 Mellcon Engineers Competitive Strengths & Weaknesses

## **9 INDUSTRY CHAIN ANALYSIS**

- 9.1 CO<sub>2</sub> Capture System Industry Chain
- 9.2 CO<sub>2</sub> Capture System Upstream Analysis
- 9.3 CO<sub>2</sub> Capture System Midstream Analysis
- 9.4 CO<sub>2</sub> Capture System Downstream Analysis

## **10 RESEARCH FINDINGS AND CONCLUSION**

## **11 APPENDIX**

- 11.1 Methodology
- 11.2 Research Process and Data Source
- 11.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World CO<sub>2</sub> Capture System Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World CO<sub>2</sub> Capture System Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World CO<sub>2</sub> Capture System Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World CO<sub>2</sub> Capture System Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World CO<sub>2</sub> Capture System Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World CO<sub>2</sub> Capture System Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World CO<sub>2</sub> Capture System Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World CO<sub>2</sub> Capture System Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World CO<sub>2</sub> Capture System Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key CO<sub>2</sub> Capture System Players in 2025

Table 12. World CO<sub>2</sub> Capture System Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global CO<sub>2</sub> Capture System Company Evaluation Quadrant

Table 14. Head Office of Key CO<sub>2</sub> Capture System Players

Table 15. CO<sub>2</sub> Capture System Market: Company Product Type Footprint

Table 16. CO<sub>2</sub> Capture System Market: Company Product Application Footprint

Table 17. CO<sub>2</sub> Capture System Mergers & Acquisitions Activity

Table 18. United States VS China CO<sub>2</sub> Capture System Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China CO<sub>2</sub> Capture System Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based CO<sub>2</sub> Capture System Companies, Headquarters (States, Country)

Table 21. United States Based Companies CO<sub>2</sub> Capture System Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies CO<sub>2</sub> Capture System Revenue Market

Share (2021-2026)

Table 23. China Based CO<sub>2</sub> Capture System Companies, Headquarters (Province, Country)

Table 24. China Based Companies CO<sub>2</sub> Capture System Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies CO<sub>2</sub> Capture System Revenue Market Share (2021-2026)

Table 26. Rest of World Based CO<sub>2</sub> Capture System Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies CO<sub>2</sub> Capture System Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies CO<sub>2</sub> Capture System Revenue Market Share (2021-2026)

Table 29. World CO<sub>2</sub> Capture System Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World CO<sub>2</sub> Capture System Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World CO<sub>2</sub> Capture System Market Size by Type (2027-2032) & (USD Million)

Table 32. World CO<sub>2</sub> Capture System Market Size by CO<sub>2</sub> Separation Principle, (USD Million), 2021 & 2025 & 2032

Table 33. World CO<sub>2</sub> Capture System Market Size Value by CO<sub>2</sub> Separation Principle (2021-2026) & (USD Million)

Table 34. World CO<sub>2</sub> Capture System Market Size by CO<sub>2</sub> Separation Principle (2027-2032) & (USD Million)

Table 35. World CO<sub>2</sub> Capture System Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 36. World CO<sub>2</sub> Capture System Market Size by Application (2021-2026) & (USD Million)

Table 37. World CO<sub>2</sub> Capture System Market Size by Application (2027-2032) & (USD Million)

Table 38. Linde Basic Information, Manufacturing Base and Competitors

Table 39. Linde Major Business

Table 40. Linde CO<sub>2</sub> Capture System Product and Services

Table 41. Linde CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 42. Linde Recent Developments/Updates

Table 43. Linde Competitive Strengths & Weaknesses

Table 44. Mitsubishi Heavy Industries Basic Information, Manufacturing Base and

## Competitors

- Table 45. Mitsubishi Heavy Industries Major Business
- Table 46. Mitsubishi Heavy Industries CO<sub>2</sub> Capture System Product and Services
- Table 47. Mitsubishi Heavy Industries CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 48. Mitsubishi Heavy Industries Recent Developments/Updates
- Table 49. Mitsubishi Heavy Industries Competitive Strengths & Weaknesses
- Table 50. Koch Modular Basic Information, Manufacturing Base and Competitors
- Table 51. Koch Modular Major Business
- Table 52. Koch Modular CO<sub>2</sub> Capture System Product and Services
- Table 53. Koch Modular CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 54. Koch Modular Recent Developments/Updates
- Table 55. Koch Modular Competitive Strengths & Weaknesses
- Table 56. GEA Basic Information, Manufacturing Base and Competitors
- Table 57. GEA Major Business
- Table 58. GEA CO<sub>2</sub> Capture System Product and Services
- Table 59. GEA CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 60. GEA Recent Developments/Updates
- Table 61. GEA Competitive Strengths & Weaknesses
- Table 62. Fluor Corporation Basic Information, Manufacturing Base and Competitors
- Table 63. Fluor Corporation Major Business
- Table 64. Fluor Corporation CO<sub>2</sub> Capture System Product and Services
- Table 65. Fluor Corporation CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 66. Fluor Corporation Recent Developments/Updates
- Table 67. Fluor Corporation Competitive Strengths & Weaknesses
- Table 68. Air Products Basic Information, Manufacturing Base and Competitors
- Table 69. Air Products Major Business
- Table 70. Air Products CO<sub>2</sub> Capture System Product and Services
- Table 71. Air Products CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 72. Air Products Recent Developments/Updates
- Table 73. Air Products Competitive Strengths & Weaknesses
- Table 74. Asco Carbon Dioxide Basic Information, Manufacturing Base and Competitors
- Table 75. Asco Carbon Dioxide Major Business
- Table 76. Asco Carbon Dioxide CO<sub>2</sub> Capture System Product and Services
- Table 77. Asco Carbon Dioxide CO<sub>2</sub> Capture System Revenue, Gross Margin and

## Market Share (2021-2026) &amp; (USD Million)

Table 78. Asco Carbon Dioxide Recent Developments/Updates

Table 79. Asco Carbon Dioxide Competitive Strengths &amp; Weaknesses

Table 80. Sumitomo Seika Chemicals Basic Information, Manufacturing Base and Competitors

Table 81. Sumitomo Seika Chemicals Major Business

Table 82. Sumitomo Seika Chemicals CO<sub>2</sub> Capture System Product and ServicesTable 83. Sumitomo Seika Chemicals CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 84. Sumitomo Seika Chemicals Recent Developments/Updates

Table 85. Sumitomo Seika Chemicals Competitive Strengths &amp; Weaknesses

Table 86. Generon Basic Information, Manufacturing Base and Competitors

Table 87. Generon Major Business

Table 88. Generon CO<sub>2</sub> Capture System Product and ServicesTable 89. Generon CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 90. Generon Recent Developments/Updates

Table 91. Generon Competitive Strengths &amp; Weaknesses

Table 92. Bright Biomethane Basic Information, Manufacturing Base and Competitors

Table 93. Bright Biomethane Major Business

Table 94. Bright Biomethane CO<sub>2</sub> Capture System Product and ServicesTable 95. Bright Biomethane CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 96. Bright Biomethane Recent Developments/Updates

Table 97. Bright Biomethane Competitive Strengths &amp; Weaknesses

Table 98. Kinder Morgan Basic Information, Manufacturing Base and Competitors

Table 99. Kinder Morgan Major Business

Table 100. Kinder Morgan CO<sub>2</sub> Capture System Product and ServicesTable 101. Kinder Morgan CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 102. Kinder Morgan Recent Developments/Updates

Table 103. Kinder Morgan Competitive Strengths &amp; Weaknesses

Table 104. Gulf Cryo Basic Information, Manufacturing Base and Competitors

Table 105. Gulf Cryo Major Business

Table 106. Gulf Cryo CO<sub>2</sub> Capture System Product and ServicesTable 107. Gulf Cryo CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 108. Gulf Cryo Recent Developments/Updates

Table 109. Gulf Cryo Competitive Strengths &amp; Weaknesses

- Table 110. Shell Cansolv Basic Information, Manufacturing Base and Competitors
- Table 111. Shell Cansolv Major Business
- Table 112. Shell Cansolv CO<sub>2</sub> Capture System Product and Services
- Table 113. Shell Cansolv CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 114. Shell Cansolv Recent Developments/Updates
- Table 115. Shell Cansolv Competitive Strengths & Weaknesses
- Table 116. Mellcon Engineers Basic Information, Manufacturing Base and Competitors
- Table 117. Mellcon Engineers Major Business
- Table 118. Mellcon Engineers CO<sub>2</sub> Capture System Product and Services
- Table 119. Mellcon Engineers CO<sub>2</sub> Capture System Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
- Table 120. Mellcon Engineers Recent Developments/Updates
- Table 121. Mellcon Engineers Competitive Strengths & Weaknesses
- Table 122. Global Key Players of CO<sub>2</sub> Capture System Upstream (Raw Materials)
- Table 123. Global CO<sub>2</sub> Capture System Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. CO<sub>2</sub> Capture System Picture

Figure 2. World CO<sub>2</sub> Capture System Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World CO<sub>2</sub> Capture System Total Revenue (2021-2032) & (USD Million)

Figure 4. World CO<sub>2</sub> Capture System Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World CO<sub>2</sub> Capture System Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company CO<sub>2</sub> Capture System Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company CO<sub>2</sub> Capture System Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company CO<sub>2</sub> Capture System Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company CO<sub>2</sub> Capture System Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company CO<sub>2</sub> Capture System Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company CO<sub>2</sub> Capture System Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company CO<sub>2</sub> Capture System Revenue (2021-2032) & (USD Million)

Figure 13. CO<sub>2</sub> Capture System Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World CO<sub>2</sub> Capture System Consumption Value (2021-2032) & (USD Million)

Figure 16. World CO<sub>2</sub> Capture System Consumption Value Market Share by Region (2021-2032)

Figure 17. United States CO<sub>2</sub> Capture System Consumption Value (2021-2032) & (USD Million)

Figure 18. China CO<sub>2</sub> Capture System Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe CO<sub>2</sub> Capture System Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan CO<sub>2</sub> Capture System Consumption Value (2021-2032) & (USD Million)

Million)

Figure 21. South Korea CO<sub>2</sub> Capture System Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN CO<sub>2</sub> Capture System Consumption Value (2021-2032) & (USD Million)

Figure 23. India CO<sub>2</sub> Capture System Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of CO<sub>2</sub> Capture System by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for CO<sub>2</sub> Capture System Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for CO<sub>2</sub> Capture System Markets in 2025

Figure 27. United States VS China: CO<sub>2</sub> Capture System Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: CO<sub>2</sub> Capture System Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World CO<sub>2</sub> Capture System Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World CO<sub>2</sub> Capture System Market Size Market Share by Type in 2025

Figure 31. Post-Combustion Capture System

Figure 32. Pre-Combustion Capture System

Figure 33. Oxy-Combustion Capture System

Figure 34. World CO<sub>2</sub> Capture System Market Size Market Share by Type (2021-2032)

Figure 35. World CO<sub>2</sub> Capture System Market Size by CO<sub>2</sub> Separation Principle, (USD Million), 2021 & 2025 & 2032

Figure 36. World CO<sub>2</sub> Capture System Market Size Market Share by CO<sub>2</sub> Separation Principle in 2025

Figure 37. Absorption-Based CO<sub>2</sub> Capture System

Figure 38. Adsorption-Based CO<sub>2</sub> Capture System

Figure 39. Membrane-Based CO<sub>2</sub> Capture System

Figure 40. Cryogenic-Based CO<sub>2</sub> Capture System

Figure 41. Biological-Based CO<sub>2</sub> Capture System

Figure 42. World CO<sub>2</sub> Capture System Market Size Market Share by CO<sub>2</sub> Separation Principle (2021-2032)

Figure 43. World CO<sub>2</sub> Capture System Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 44. World CO<sub>2</sub> Capture System Market Size Market Share by Application in 2025

Figure 45. Power Generation Industry

Figure 46. Energy Production

Figure 47. Industrial Utilization

Figure 48. Others

Figure 49. World CO<sub>2</sub> Capture System Market Size Market Share by Application  
(2021-2032)

Figure 50. CO<sub>2</sub> Capture System Industrial Chain

Figure 51. Methodology

Figure 52. Research Process and Data Source

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