

# Global Enhanced Gas Recovery Market Size Study & Forecast, by Recovery Method, Application, Gas Type, and Regional Forecasts 2025-2035

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## Abstracts

The Global Enhanced Gas Recovery (EGR) Market is valued at approximately USD 84.2 billion in 2024 and is anticipated to grow at a compound annual growth rate (CAGR) of 6.41% during the forecast period 2025 to 2035. Enhanced Gas Recovery, a sophisticated secondary and tertiary gas extraction method, has garnered widespread industry attention owing to its potential to substantially boost the recovery rates of hydrocarbon gases from aging reservoirs. Employing advanced techniques such as carbon dioxide and nitrogen injection or waterflooding, EGR helps mobilize trapped gases, increase pressure within the reservoir, and improve overall recovery efficiency—thereby extending the productive life of existing assets and maximizing ROI for operators. With natural gas emerging as a transitional fuel in the global shift toward cleaner energy, EGR is fast becoming a strategic imperative for energy producers.

A combination of rising global energy consumption, particularly in rapidly industrializing regions, and the growing need to optimize existing gas infrastructure due to declining conventional reserves is bolstering demand for enhanced recovery techniques. Moreover, mounting regulatory pressures and ESG goals have pivoted industry efforts toward carbon-neutral technologies—opening new doors for CO<sub>2</sub>-based EGR, which doubles as a viable method for carbon capture, utilization, and storage (CCUS). As the oil and gas industry navigates volatile price dynamics and strives to align with climate targets, enhanced gas recovery is seen not merely as a revenue-maximizing strategy, but also as an operational solution enabling producers to simultaneously cut emissions and boost production.

Regionally, North America dominates the global landscape, underpinned by its well-established gas infrastructure, substantial investment in unconventional gas exploration

(particularly shale gas), and strong R&D focus on carbon injection techniques. The U.S. leads this surge, with several EGR projects aligned with national CCUS goals and low-emissions initiatives. Meanwhile, Asia Pacific is projected to be the fastest-growing region, driven by insatiable energy demand, expanding industrial bases in China and India, and a rising emphasis on energy security and domestic resource optimization. In Europe, the market outlook is shaped by progressive climate legislation and collaborative ventures in the North Sea and Eastern Europe. Latin America and the Middle East & Africa regions are emerging as high-potential markets due to increased upstream investments, gas-rich formations, and favorable governmental reforms in countries like Brazil, Mexico, and Saudi Arabia.

Major market player included in this report are:

Schlumberger Limited

Chevron Phillips Chemical Company

Halliburton Company

Baker Hughes Company

BASF SE

Clariant AG

Solvay S.A.

Trican Well Service Ltd.

Croda International Plc.

Aubin Group

M&D Industries of Louisiana, Inc.

Impact Fluid Solutions

Daelim Industrial Co., Ltd.

TCI Chemicals Pvt. Ltd.

Wego Chemical Group

## Global Enhanced Gas Recovery Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Recovery Method:

Carbon Dioxide Injection

Nitrogen Injection

Waterflooding

By Application:

Conventional Gas Reservoirs

Unconventional Gas Reservoirs

By Gas Type:

Natural Gas

Coalbed Methane

Shale Gas

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL ENHANCED GAS RECOVERY MARKET REPORT SCOPE & METHODOLOGY**

- 1.1 Research Objective
- 1.2 Research Methodology
  - 1.2.1 Forecast Model
  - 1.2.2 Desk Research
  - 1.2.3 Top Down and Bottom-Up Approach
- 1.3 Research Attributes
- 1.4 Scope of the Study
  - 1.4.1 Market Definition
  - 1.4.2 Market Segmentation
- 1.5 Research Assumption
  - 1.5.1 Inclusion & Exclusion
  - 1.5.2 Limitations
  - 1.5.3 Years Considered for the Study

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1 CEO/CXO Standpoint
- 2.2 Strategic Insights
- 2.3 ESG Analysis
- 2.4 Key Findings

### **CHAPTER 3. GLOBAL ENHANCED GAS RECOVERY MARKET FORCES ANALYSIS**

- 3.1 Market Forces Shaping the Global Enhanced Gas Recovery Market (2024–2035)
- 3.2 Drivers
  - 3.2.1 Rising global energy consumption and decline of conventional reserves
  - 3.2.2 Regulatory pressures and carbon-neutral technology mandates
- 3.3 Restraints
  - 3.3.1 High capital expenditure and operational complexity
  - 3.3.2 Technical challenges in injecting CO<sub>2</sub> and nitrogen at scale
- 3.4 Opportunities
  - 3.4.1 Integration with carbon capture, utilization & storage (CCUS) initiatives
  - 3.4.2 Expansion in emerging markets and retrofit of mature fields

## **CHAPTER 4. GLOBAL ENHANCED GAS RECOVERY INDUSTRY ANALYSIS**

- 4.1 Porter's 5 Forces Model
  - 4.1.1 Bargaining Power of Buyer
  - 4.1.2 Bargaining Power of Supplier
  - 4.1.3 Threat of New Entrants
  - 4.1.4 Threat of Substitutes
  - 4.1.5 Competitive Rivalry
- 4.2 Porter's 5 Forces Forecast Model (2024–2035)
- 4.3 PESTEL Analysis
  - 4.3.1 Political
  - 4.3.2 Economical
  - 4.3.3 Social
  - 4.3.4 Technological
  - 4.3.5 Environmental
  - 4.3.6 Legal
- 4.4 Top Investment Opportunities
- 4.5 Top Winning Strategies (2025)
- 4.6 Market Share Analysis (2024–2025)
- 4.7 Global Pricing Analysis and Trends 2025
- 4.8 Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL ENHANCED GAS RECOVERY MARKET SIZE & FORECASTS BY RECOVERY METHOD 2025–2035**

- 5.1 Market Overview
- 5.2 Global Enhanced Gas Recovery Market Performance – Potential Analysis (2025)
- 5.3 Carbon Dioxide Injection
  - 5.3.1 Top Countries Breakdown Estimates & Forecasts, 2024–2035
  - 5.3.2 Market size analysis, by region, 2025–2035
- 5.4 Nitrogen Injection
  - 5.4.1 Top Countries Breakdown Estimates & Forecasts, 2024–2035
  - 5.4.2 Market size analysis, by region, 2025–2035
- 5.5 Waterflooding
  - 5.5.1 Top Countries Breakdown Estimates & Forecasts, 2024–2035
  - 5.5.2 Market size analysis, by region, 2025–2035

## **CHAPTER 6. GLOBAL ENHANCED GAS RECOVERY MARKET SIZE &**

## **FORECASTS BY APPLICATION 2025–2035**

- 6.1 Market Overview
- 6.2 Global Enhanced Gas Recovery Market Performance – Potential Analysis (2025)
- 6.3 Conventional Gas Reservoirs
  - 6.3.1 Top Countries Breakdown Estimates & Forecasts, 2024–2035
  - 6.3.2 Market size analysis, by region, 2025–2035
- 6.4 Unconventional Gas Reservoirs
  - 6.4.1 Top Countries Breakdown Estimates & Forecasts, 2024–2035
  - 6.4.2 Market size analysis, by region, 2025–2035

## **CHAPTER 7. GLOBAL ENHANCED GAS RECOVERY MARKET SIZE & FORECASTS BY GAS TYPE 2025–2035**

- 7.1 Market Overview
- 7.2 Global Enhanced Gas Recovery Market Performance – Potential Analysis (2025)
- 7.3 Natural Gas
  - 7.3.1 Top Countries Breakdown Estimates & Forecasts, 2024–2035
  - 7.3.2 Market size analysis, by region, 2025–2035
- 7.4 Coalbed Methane
  - 7.4.1 Top Countries Breakdown Estimates & Forecasts, 2024–2035
  - 7.4.2 Market size analysis, by region, 2025–2035
- 7.5 Shale Gas
  - 7.5.1 Top Countries Breakdown Estimates & Forecasts, 2024–2035
  - 7.5.2 Market size analysis, by region, 2025–2035

## **CHAPTER 8. GLOBAL ENHANCED GAS RECOVERY MARKET SIZE & FORECASTS BY REGION 2025–2035**

- 8.1 Enhanced Gas Recovery Market, Regional Market Snapshot
- 8.2 Top Leading & Emerging Countries
- 8.3 North America Enhanced Gas Recovery Market
  - 8.3.1 U.S. Enhanced Gas Recovery Market
    - 8.3.1.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.3.1.2 Application breakdown size & forecasts, 2025–2035
  - 8.3.2 Canada Enhanced Gas Recovery Market
    - 8.3.2.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.3.2.2 Application breakdown size & forecasts, 2025–2035
- 8.4 Europe Enhanced Gas Recovery Market

- 8.4.1 UK Enhanced Gas Recovery Market
  - 8.4.1.1 Recovery Method breakdown size & forecasts, 2025–2035
  - 8.4.1.2 Application breakdown size & forecasts, 2025–2035
- 8.4.2 Germany Enhanced Gas Recovery Market
  - 8.4.2.1 Recovery Method breakdown size & forecasts, 2025–2035
  - 8.4.2.2 Application breakdown size & forecasts, 2025–2035
- 8.4.3 France Enhanced Gas Recovery Market
  - 8.4.3.1 Recovery Method breakdown size & forecasts, 2025–2035
  - 8.4.3.2 Application breakdown size & forecasts, 2025–2035
- 8.4.4 Spain Enhanced Gas Recovery Market
  - 8.4.4.1 Recovery Method breakdown size & forecasts, 2025–2035
  - 8.4.4.2 Application breakdown size & forecasts, 2025–2035
- 8.4.5 Italy Enhanced Gas Recovery Market
  - 8.4.5.1 Recovery Method breakdown size & forecasts, 2025–2035
  - 8.4.5.2 Application breakdown size & forecasts, 2025–2035
- 8.4.6 Rest of Europe Enhanced Gas Recovery Market
  - 8.4.6.1 Recovery Method breakdown size & forecasts, 2025–2035
  - 8.4.6.2 Application breakdown size & forecasts, 2025–2035
- 8.5 Asia Pacific Enhanced Gas Recovery Market
  - 8.5.1 China Enhanced Gas Recovery Market
    - 8.5.1.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.5.1.2 Application breakdown size & forecasts, 2025–2035
  - 8.5.2 India Enhanced Gas Recovery Market
    - 8.5.2.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.5.2.2 Application breakdown size & forecasts, 2025–2035
  - 8.5.3 Japan Enhanced Gas Recovery Market
    - 8.5.3.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.5.3.2 Application breakdown size & forecasts, 2025–2035
  - 8.5.4 Australia Enhanced Gas Recovery Market
    - 8.5.4.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.5.4.2 Application breakdown size & forecasts, 2025–2035
  - 8.5.5 South Korea Enhanced Gas Recovery Market
    - 8.5.5.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.5.5.2 Application breakdown size & forecasts, 2025–2035
  - 8.5.6 Rest of Asia Pacific Enhanced Gas Recovery Market
    - 8.5.6.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.5.6.2 Application breakdown size & forecasts, 2025–2035
- 8.6 Latin America Enhanced Gas Recovery Market
  - 8.6.1 Brazil Enhanced Gas Recovery Market

- 8.6.1.1 Recovery Method breakdown size & forecasts, 2025–2035
- 8.6.1.2 Application breakdown size & forecasts, 2025–2035
- 8.6.2 Mexico Enhanced Gas Recovery Market
  - 8.6.2.1 Recovery Method breakdown size & forecasts, 2025–2035
  - 8.6.2.2 Application breakdown size & forecasts, 2025–2035
- 8.7 Middle East & Africa Enhanced Gas Recovery Market
  - 8.7.1 UAE Enhanced Gas Recovery Market
    - 8.7.1.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.7.1.2 Application breakdown size & forecasts, 2025–2035
  - 8.7.2 Saudi Arabia Enhanced Gas Recovery Market
    - 8.7.2.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.7.2.2 Application breakdown size & forecasts, 2025–2035
  - 8.7.3 South Africa Enhanced Gas Recovery Market
    - 8.7.3.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.7.3.2 Application breakdown size & forecasts, 2025–2035
  - 8.7.4 Rest of Middle East & Africa Enhanced Gas Recovery Market
    - 8.7.4.1 Recovery Method breakdown size & forecasts, 2025–2035
    - 8.7.4.2 Application breakdown size & forecasts, 2025–2035

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1 Top Market Strategies
- 9.2 Schlumberger Limited
  - 9.2.1 Company Overview
  - 9.2.2 Key Executives
  - 9.2.3 Company Snapshot
  - 9.2.4 Financial Performance (Subject to Data Availability)
  - 9.2.5 Product/Services Port
  - 9.2.6 Recent Development
  - 9.2.7 Market Strategies
  - 9.2.8 SWOT Analysis
- 9.3 Chevron Phillips Chemical Company
- 9.4 Halliburton Company
- 9.5 Baker Hughes Company
- 9.6 BASF SE
- 9.7 Clariant AG
- 9.8 Solvay S.A.
- 9.9 Trican Well Service Ltd.
- 9.10 Croda International Plc.

- 9.11 Aubin Group
- 9.12 M&D Industries of Louisiana, Inc.
- 9.13 Impact Fluid Solutions
- 9.14 Daelim Industrial Co., Ltd.
- 9.15 TCI Chemicals Pvt. Ltd.
- 9.16 Wego Chemical Group

## List Of Tables

### LIST OF TABLES

- Table 1. Global Enhanced Gas Recovery Market, Report Scope
- Table 2. Global Enhanced Gas Recovery Market Estimates & Forecasts by Region 2024–2035
- Table 3. Global Enhanced Gas Recovery Market Estimates & Forecasts by Recovery Method 2024–2035
- Table 4. Global Enhanced Gas Recovery Market Estimates & Forecasts by Application 2024–2035
- Table 5. Global Enhanced Gas Recovery Market Estimates & Forecasts by Gas Type 2024–2035
- Table 6. U.S. Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 7. Canada Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 8. UK Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 9. Germany Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 10. France Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 11. Spain Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 12. Italy Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 13. Rest of Europe Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 14. China Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 15. India Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 16. Japan Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 17. Australia Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 18. South Korea Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 19. Rest of Asia Pacific Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 20. Brazil Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 21. Mexico Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 22. UAE Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 23. Saudi Arabia Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 24. South Africa Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035
- Table 25. Rest of Middle East & Africa Enhanced Gas Recovery Market Estimates & Forecasts, 2024–2035



## List Of Figures

### LIST OF FIGURES

- Fig 1. Global Enhanced Gas Recovery Market, Research Methodology
- Fig 2. Global Enhanced Gas Recovery Market, Market Estimation Techniques
- Fig 3. Global Market Size Estimates & Forecast Methods
- Fig 4. Global Enhanced Gas Recovery Market, Key Trends 2025
- Fig 5. Global Enhanced Gas Recovery Market, Growth Prospects 2024–2035
- Fig 6. Global Enhanced Gas Recovery Market, Porter's Five Forces Model
- Fig 7. Global Enhanced Gas Recovery Market, PESTEL Analysis
- Fig 8. Global Enhanced Gas Recovery Market, Value Chain Analysis
- Fig 9. Enhanced Gas Recovery Market by Recovery Method, 2025 & 2035
- Fig 10. Enhanced Gas Recovery Market by Application, 2025 & 2035
- Fig 11. Enhanced Gas Recovery Market by Gas Type, 2025 & 2035
- Fig 12. North America Enhanced Gas Recovery Market, 2025 & 2035
- Fig 13. Europe Enhanced Gas Recovery Market, 2025 & 2035
- Fig 14. Asia Pacific Enhanced Gas Recovery Market, 2025 & 2035
- Fig 15. Latin America Enhanced Gas Recovery Market, 2025 & 2035
- Fig 16. Middle East & Africa Enhanced Gas Recovery Market, 2025 & 2035
- Fig 17. Global Enhanced Gas Recovery Market, Company Market Share Analysis (2025)

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