

# **Global Compressed Natural Gas Market Size Study, By Source (Refinery, Associated Gas, Non-Associated Gas), By Application (Chemical, Industrial, Auto Gas, Residential/Commercial), By End-Use (Light Duty Vehicles, Medium/Heavy Duty Trucks, Medium/Heavy Duty Buses, Other End-Uses), and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/G55883358C33EN.html>

Date: March 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: G55883358C33EN

## **Abstracts**

The global compressed natural gas (CNG) market was valued at approximately USD 159.9 billion in 2023 and is anticipated to grow at a CAGR of 11.7% over the forecast period 2024-2032. The increasing demand for cleaner fuel alternatives, coupled with stringent government emission regulations, is driving the adoption of CNG as a sustainable energy source across multiple industries. CNG has emerged as a cost-effective and environmentally friendly substitute for conventional fossil fuels such as gasoline and diesel, making it an attractive option in both automotive and industrial applications.

With volatile crude oil prices and growing concerns over carbon emissions, CNG adoption is accelerating globally. The transportation sector remains a major consumer of CNG, with increasing numbers of light-duty and heavy-duty vehicles being converted to natural gas. Several governments are offering subsidies and incentives to promote CNG refueling infrastructure, and major oil & gas companies are investing in CNG distribution networks to expand accessibility. The rising production of non-associated gas and advancements in CNG storage and fueling technologies are also propelling market growth.

CNG is witnessing high demand in emerging economies such as India, China, and

Brazil, where rapid urbanization and industrialization are driving fuel consumption. Asia-Pacific dominates the global CNG market, accounting for 48.3% of the total revenue share in 2023. Meanwhile, North America and Europe are experiencing a surge in CNG adoption, primarily due to favorable government policies and a growing inclination toward green energy solutions.

The market is also benefitting from technological advancements in CNG engine designs, fuel injection systems, and storage solutions, which enhance vehicle performance and expand the scope of CNG applications across industries. Furthermore, oil & gas companies are increasingly investing in CNG refueling stations and strategic partnerships to accelerate adoption. With the continued push for sustainability, the global CNG market is poised for robust growth over the forecast period.

#### Major Market Players Included in this Report:

ExxonMobil Corporation

BP plc

TotalEnergies SE

Chevron Corporation

Eni S.p.A.

Equinor ASA

ConocoPhillips Company

Shell plc

Gazprom PAO

Occidental Petroleum Corporation

JW Power Company

National Iranian Gas Company

Indraprastha Gas Limited

Phillips 66 Company

Cabot Oil & Gas LLC

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

By Source:

Refinery

Associated Gas

Non-Associated Gas

By Application:

Residential/Commercial

Chemical

Industrial

Auto Gas

Refinery

Other Applications

By End-Use:

Light Duty Vehicles

Medium / Heavy Duty Trucks

Medium / Heavy Duty Buses

Other End-Uses

By Region:

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Russia

Netherlands

Norway

Asia-Pacific

China

India

Japan

Australia

South Korea

Indonesia

Malaysia

Latin America

Brazil

Argentina

Venezuela

Middle East & Africa

South Africa

Saudi Arabia

UAE

Qatar

Kuwait

Years considered for the study are as follows:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years (2022-2032).

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level insights.

Competitive landscape with market share insights on key players.

Strategic recommendations for future market approach.

Demand-side and supply-side market analysis.

## Contents

### **CHAPTER 1. GLOBAL COMPRESSED NATURAL GAS MARKET EXECUTIVE SUMMARY**

- 1.1. Global Compressed Natural Gas Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Source
  - 1.3.2. By Application
  - 1.3.3. By End-Use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL COMPRESSED NATURAL GAS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL COMPRESSED NATURAL GAS MARKET DYNAMICS**

*Global Compressed Natural Gas Market Size Study, By Source (Refinery, Associated Gas, Non-Associated Gas), By...*

### 3.1. Market Drivers

- 3.1.1. Rising Demand for Cleaner Fuel Alternatives
- 3.1.2. Government Regulations Favoring CNG Adoption
- 3.1.3. Increasing Fuel Costs Driving CNG Adoption in Transportation

### 3.2. Market Challenges

- 3.2.1. High Initial Infrastructure Investment Costs
- 3.2.2. Limited Availability of Refueling Stations

### 3.3. Market Opportunities

- 3.3.1. Advancements in CNG Storage Technology
- 3.3.2. Expansion of CNG Infrastructure in Developing Economies
- 3.3.3. Growing Demand for CNG in Industrial Applications

## **CHAPTER 4. GLOBAL COMPRESSED NATURAL GAS MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economic
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top Investment Opportunities

### 4.4. Top Winning Strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL COMPRESSED NATURAL GAS MARKET SIZE & FORECASTS BY SOURCE (2022-2032)**



### 5.1. Segment Dashboard

### 5.2. Global Compressed Natural Gas Market: Source Revenue Trend Analysis, 2022 & 2032

#### 5.2.1. Refinery

#### 5.2.2. Associated Gas

#### 5.2.3. Non-Associated Gas

## **CHAPTER 6. GLOBAL COMPRESSED NATURAL GAS MARKET SIZE & FORECASTS BY APPLICATION (2022-2032)**

### 6.1. Segment Dashboard

### 6.2. Global Compressed Natural Gas Market: Application Revenue Trend Analysis, 2022 & 2032

#### 6.2.1. Residential / Commercial

#### 6.2.2. Chemical

#### 6.2.3. Industrial

#### 6.2.4. Auto Gas

#### 6.2.5. Refinery

#### 6.2.6. Other Applications

## **CHAPTER 7. GLOBAL COMPRESSED NATURAL GAS MARKET SIZE & FORECASTS BY END USE (2022-2032)**

### 7.1. Segment Dashboard

### 7.2. Global Compressed Natural Gas Market: End Use Revenue Trend Analysis, 2022 & 2032

#### 7.2.1. Light Duty Vehicles

#### 7.2.2. Medium / Heavy Duty Trucks

#### 7.2.3. Medium / Heavy Duty Buses

#### 7.2.4. Other End Uses

## **CHAPTER 8. GLOBAL COMPRESSED NATURAL GAS MARKET SIZE & FORECASTS BY REGION (2022-2032)**

### 8.1. North America Compressed Natural Gas Market

#### 8.1.1. U.S. Compressed Natural Gas Market

##### 8.1.1.1. Source Breakdown Size & Forecasts, 2022-2032

##### 8.1.1.2. Application Breakdown Size & Forecasts, 2022-2032

- 8.1.1.3. End-Use Breakdown Size & Forecasts, 2022-2032
- 8.1.2. Canada Compressed Natural Gas Market
- 8.1.3. Mexico Compressed Natural Gas Market
- 8.2. Europe Compressed Natural Gas Market
  - 8.2.1. UK Compressed Natural Gas Market
  - 8.2.2. Germany Compressed Natural Gas Market
  - 8.2.3. France Compressed Natural Gas Market
  - 8.2.4. Italy Compressed Natural Gas Market
  - 8.2.5. Spain Compressed Natural Gas Market
  - 8.2.6. Russia Compressed Natural Gas Market
  - 8.2.7. Netherlands Compressed Natural Gas Market
  - 8.2.8. Norway Compressed Natural Gas Market
- 8.3. Asia-Pacific Compressed Natural Gas Market
  - 8.3.1. China Compressed Natural Gas Market
  - 8.3.2. India Compressed Natural Gas Market
  - 8.3.3. Japan Compressed Natural Gas Market
  - 8.3.4. Australia Compressed Natural Gas Market
  - 8.3.5. South Korea Compressed Natural Gas Market
  - 8.3.6. Indonesia Compressed Natural Gas Market
  - 8.3.7. Malaysia Compressed Natural Gas Market
- 8.4. Latin America Compressed Natural Gas Market
  - 8.4.1. Brazil Compressed Natural Gas Market
  - 8.4.2. Argentina Compressed Natural Gas Market
  - 8.4.3. Venezuela Compressed Natural Gas Market
- 8.5. Middle East & Africa Compressed Natural Gas Market
  - 8.5.1. South Africa Compressed Natural Gas Market
  - 8.5.2. Saudi Arabia Compressed Natural Gas Market
  - 8.5.3. UAE Compressed Natural Gas Market
  - 8.5.4. Qatar Compressed Natural Gas Market
  - 8.5.5. Kuwait Compressed Natural Gas Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. ExxonMobil Corporation
  - 9.1.2. BP plc
  - 9.1.3. Shell plc
- 9.2. Top Market Strategies
- 9.3. Company Profiles

- 9.3.1. Chevron Corporation
- 9.3.2. TotalEnergies SE
- 9.3.3. Eni S.p.A.
- 9.3.4. Equinor ASA
- 9.3.5. ConocoPhillips Company
- 9.3.6. Cabot Oil & Gas LLC
- 9.3.7. Gazprom PAO
- 9.3.8. Occidental Petroleum Corporation
- 9.3.9. JW Power Company

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes

## List Of Tables

### LIST OF TABLES

- 1. GLOBAL COMPRESSED NATURAL GAS MARKET, REPORT SCOPE**
- 2. GLOBAL COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY REGION, 2022-2032**
- 3. GLOBAL COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY SOURCE, 2022-2032**
- 4. GLOBAL COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY APPLICATION, 2022-2032**
- 5. GLOBAL COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY END-USE, 2022-2032**
- 6. GLOBAL COMPRESSED NATURAL GAS MARKET SHARE ANALYSIS, BY KEY PLAYERS (2023)**
- 7. NORTH AMERICA COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS, 2022-2032**
- 8. U.S. COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY SOURCE, 2022-2032**
- 9. CANADA COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY END-USE, 2022-2032**
- 10. EUROPE COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS, 2022-2032**
- 11. GERMANY COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY APPLICATION, 2022-2032**
- 12. UK COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY SOURCE, 2022-2032**

**13. ASIA PACIFIC COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS, 2022-2032**

**14. CHINA COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY APPLICATION, 2022-2032**

**15. INDIA COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY END-USE, 2022-2032**

**16. LATIN AMERICA COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS, 2022-2032**

**17. BRAZIL COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY APPLICATION, 2022-2032**

**18. MIDDLE EAST & AFRICA COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS, 2022-2032**

**19. SAUDI ARABIA COMPRESSED NATURAL GAS MARKET ESTIMATES & FORECASTS BY SOURCE, 2022-2032**

**20. KEY STRATEGIES ADOPTED BY LEADING MARKET PLAYERS**

This list is not complete; the final report contains more than 100 tables. The list may be updated in the final deliverable.

## List Of Figures

### LIST OF FIGURES

- 1. GLOBAL COMPRESSED NATURAL GAS MARKET, RESEARCH METHODOLOGY**
- 2. GLOBAL COMPRESSED NATURAL GAS MARKET, MARKET ESTIMATION TECHNIQUES**
- 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS**
- 4. GLOBAL COMPRESSED NATURAL GAS MARKET, KEY TRENDS (2023)**
- 5. GLOBAL COMPRESSED NATURAL GAS MARKET GROWTH PROSPECTS, 2022-2032**
- 6. GLOBAL COMPRESSED NATURAL GAS MARKET, PORTER'S 5 FORCE MODEL**
- 7. GLOBAL COMPRESSED NATURAL GAS MARKET, PESTEL ANALYSIS**
- 8. GLOBAL COMPRESSED NATURAL GAS MARKET, VALUE CHAIN ANALYSIS**
- 9. GLOBAL COMPRESSED NATURAL GAS MARKET SHARE, BY SOURCE, 2023**
- 10. GLOBAL COMPRESSED NATURAL GAS MARKET SHARE, BY APPLICATION, 2023**
- 11. GLOBAL COMPRESSED NATURAL GAS MARKET SHARE, BY END-USE, 2023**
- 12. GLOBAL COMPRESSED NATURAL GAS MARKET, REGIONAL SNAPSHOT (2023 & 2032)**
- 13. NORTH AMERICA COMPRESSED NATURAL GAS MARKET REVENUE SHARE, BY SOURCE, 2022-2032**
- 14. U.S. COMPRESSED NATURAL GAS MARKET GROWTH, 2022-2032**

**15. EUROPE COMPRESSED NATURAL GAS MARKET REVENUE SHARE, BY APPLICATION, 2022-2032**

**16. ASIA PACIFIC COMPRESSED NATURAL GAS MARKET REVENUE SHARE, BY END-USE, 2022-2032**

**17. CHINA COMPRESSED NATURAL GAS MARKET GROWTH RATE, 2022-2032**

**18. LATIN AMERICA COMPRESSED NATURAL GAS MARKET REVENUE SHARE, BY SOURCE, 2022-2032**

**19. MIDDLE EAST & AFRICA COMPRESSED NATURAL GAS MARKET GROWTH, 2022-2032**

**20. GLOBAL COMPRESSED NATURAL GAS MARKET, COMPETITIVE LANDSCAPE (2023)**

This list is not complete; the final report contains more than 50 figures. The list may be updated in the final deliverable.

## I would like to order

Product name: Global Compressed Natural Gas Market Size Study, By Source (Refinery, Associated Gas, Non-Associated Gas), By Application (Chemical, Industrial, Auto Gas, Residential/Commercial), By End-Use (Light Duty Vehicles, Medium/Heavy Duty Trucks, Medium/Heavy Duty Buses, Other End-Uses), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G55883358C33EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G55883358C33EN.html>