

Carbon Monoxide Market By Purity (Below 99% , More than 99%), By Application (Metal Fabrication, Chemicals, Pharmaceuticals, Electronics, Ore Processing and Extraction, Others): Global Opportunity Analysis and Industry Forecast, 2022 - 2032

<https://marketpublishers.com/r/C650FC3F5BC8EN.html>

Date: January 2024

Pages: 250

Price: US\$ 3,570.00 (Single User License)

ID: C650FC3F5BC8EN

Abstracts

The global carbon monoxide market was valued at \$5.6 billion in 2022, and is projected to reach \$8.2 billion by 2032, growing at a CAGR of 4.1% from 2023 to 2032.

Carbon monoxide (CO) is an odorless and colorless gas that consists of one carbon atom and one oxygen atom. It is produced by incomplete combustion, which is often associated with the burning of fossil fuels. Carbon monoxide is difficult to detect without advanced tools since it is odorless and invisible. It is used as a reducing agent in metallurgical operations and in many other chemical reactions, including the synthesis of methanol.

The rise in mining and metal extraction activities drives the growth of the carbon monoxide market. The increased demand for metals globally, fueled by the growth of infrastructure, innovations in technology, and the growing need for minerals in renewable energy technologies, is the main driver for a surge in mining and metal extraction activities. In addition, the mining industry is experiencing increased activity due to growing commodity prices and economic expansion in emerging markets.

Carbon monoxide is an essential reducing agent in metallurgical operations that helps remove metals from their ores. Its common use is in the reduction of iron ore to produce steel and iron. Melted iron and carbon dioxide are produced in blast furnaces when

carbon monoxide and iron oxides combine. The demand for carbon monoxide in metallurgical operations rises with the globe's increasing demand for steel, driven by the growth of infrastructure and industrial expansion.

Carbon monoxide is also essential to the mining sector for many vital operations. Carbon monoxide is used in the carbon-in-pulp (CIP) and carbon-in-leach (CIL) techniques of gold extraction. In these procedures, carbon monoxide helps activated carbon regenerate while it is used to absorb and recover gold from cyanide leach solutions. Due to economic causes and the value of gold as a financial asset, there is a continual need for carbon monoxide in these extraction procedures due to the global expansion of gold mining activities. Thus, surge in use of carbon monoxide in mining and metal extraction activities is expected to boost the market growth during the forecast period.

The market for carbon monoxide is experiencing significant development restrictions due to inadequate infrastructure, that makes it difficult for the gas to be produced, distributed, and used effectively in a variety of industries. The infrastructure, that involves manufacturing facilities, storage facilities, transportation networks, and end-user applications, is essential to the carbon monoxide supply chain.

Production facilities are a major source of infrastructural restriction. Modern technology is used in the production of carbon monoxide through processes like gasification of solid feedstocks like coal or biomass, partial oxidation of hydrocarbons, and steam methane reforming (SMR). Significant equipment, safety, and environmental regulation compliance expenses are needed for the establishment and maintenance of these facilities. The construction of such sophisticated production facilities is difficult in areas with poor infrastructure, that limits the ability to satisfy the rise in demand for carbon monoxide.

The difficulties are made worse by the lack of a solid distribution network. For many uses, such as in metallurgy, chemicals, and polymers, carbon monoxide is an essential raw ingredient. A strong distribution network is essential to effectively distribute carbon monoxide to these companies. The logistics of transporting carbon monoxide to end consumers become difficult and expensive in areas without a vast network of pipes or dependable transportation networks, which inhibits market expansion. Thus, lack of infrastructure is expected to restrain the growth of the carbon monoxide market during the forecast period.

Technological developments have impacted the processes involved in the manufacture,

use, and monitoring of carbon monoxide, significantly boosting the market's growth potential. Advanced methods including autothermal reforming, catalytic reforming, and innovative gasification techniques have improved the production sector's carbon monoxide generation's environmental sustainability and efficiency. These techniques produce CO streams with higher purity, give producers more exact control over reaction conditions, and frequently employ a wider variety of feedstocks, all of which increase production processes' flexibility and lessen their negative environmental effects.

The quality of carbon monoxide produced has also increased due to developments in gas purification and separation technologies, which ensure that contaminants are reduced to a minimum to satisfy strict industrial standards. Innovative separation methods, including membrane separation and pressure swing adsorption (PSA), enable the accurate removal of impurities, producing high-purity carbon monoxide that may be used in a variety of applications. Thus, technological advancements have created an excellent growth opportunity for the expansion of the carbon monoxide market.

The carbon monoxide market is segmented based on purity, application, and region. On the basis of purity, the market is segregated into below 99% and more than 99%. Depending on application, it is classified into metal fabrication, chemicals, pharmaceuticals, electronics, ore processing and extraction, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The major players operating in the global carbon monoxide market are Air Liquide, Air Products and Chemicals, Inc., American Gas Products, ATCO Atmospheric And Speciality Gases Private Limited., Axcel Gases, Celanese Corporation, Linde plc, Messer, Middlesex Gases & Technologies, Inc., and Sipchem Company. Other players include Al-Barrak Group Company, Butler Gas Products, Chengdu Taiyu Industrial Gases Co., Ltd., Gruppo SIAD, Gulf Cryo, LOTTE INEOS CHEMICAL CO.,LTD, NEXAIR, PT Samator Indo Gas Tbk., and Topsoe A/S.

Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the carbon monoxide market analysis from 2022 to 2032 to identify the prevailing carbon monoxide market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the carbon monoxide market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global carbon monoxide market trends, key players, market segments, application areas, and market growth strategies.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more):

Manufacturing Capacity

Product Benchmarking / Product specification and applications

Product Life Cycles

Scenario Analysis & Growth Trend Comparison

Upcoming/New Entrant by Regions

Technology Trend Analysis

New Product Development/ Product Matrix of Key Players

Regulatory Guidelines

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

List of customers/consumers/raw material suppliers- value chain analysis

SWOT Analysis

Key Market Segments By Purity More than 99%

Below 99%

By Application Metal Fabrication

Chemicals

Pharmaceuticals

Electronics

Ore Processing and Extraction

Others

By Region

North America U.S.

Canada

Mexico

Europe Germany

UK

France

Italy

Spain

Rest of Europe

Asia-Pacific China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA Brazil

South Africa,

Saudi Arabia

Rest of LAMEA

Key Market Players

Air Liquide

Linde plc

Air Products and Chemicals, Inc.

American Gas Products

Sipchem Company

Messer

ATCO Atmospheric And Speciality Gases Private Limited.

middlesex gases & technologies, inc.

Celanese Corporation

Axcel Gases

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research methodology
 - 1.4.1. Primary research
 - 1.4.2. Secondary research
 - 1.4.3. Analyst tools and models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO perspective

CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
 - 3.2.1. Top impacting factors
 - 3.2.2. Top investment pockets
- 3.3. Porter s five forces analysis
 - 3.3.1. Moderate bargaining power of suppliers
 - 3.3.2. Moderate threat of new entrants
 - 3.3.3. Moderate threat of substitutes
 - 3.3.4. Moderate intensity of rivalry
 - 3.3.5. Moderate bargaining power of buyers
- 3.4. Market dynamics
 - 3.4.1. Drivers
 - 3.4.1.1. Rising demand from industrial applications
 - 3.4.1.2. Adoption of high-purity solutions
 - 3.4.1.3. Growth in emerging regions
 - 3.4.2. Restraints
 - 3.4.2.1. Safety and handling concerns
 - 3.4.2.2. Competition from alternative gases and processes
 - 3.4.3. Opportunities
 - 3.4.3.1. Expansion of high-purity carbon monoxide applications
 - 3.4.3.2. Technology-enabled supply and on-site generation

- 3.4.3.3. Growth in emerging industrial hubs
- 3.5. Value Chain Analysis

CHAPTER 4: CARBON MONOXIDE MARKET, BY PURITY

- 4.1. Overview
 - 4.1.1. Market size and forecast
- 4.2. Below 99%
 - 4.2.1. Key market trends, growth factors and opportunities
 - 4.2.2. Market size and forecast, by region
 - 4.2.3. Market share analysis by country
- 4.3. More than 99%
 - 4.3.1. Key market trends, growth factors and opportunities
 - 4.3.2. Market size and forecast, by region
 - 4.3.3. Market share analysis by country

CHAPTER 5: CARBON MONOXIDE MARKET, BY APPLICATION

- 5.1. Overview
 - 5.1.1. Market size and forecast
- 5.2. Metal Fabrication
 - 5.2.1. Key market trends, growth factors and opportunities
 - 5.2.2. Market size and forecast, by region
 - 5.2.3. Market share analysis by country
- 5.3. Chemicals
 - 5.3.1. Key market trends, growth factors and opportunities
 - 5.3.2. Market size and forecast, by region
 - 5.3.3. Market share analysis by country
- 5.4. Pharmaceuticals
 - 5.4.1. Key market trends, growth factors and opportunities
 - 5.4.2. Market size and forecast, by region
 - 5.4.3. Market share analysis by country
- 5.5. Electronics
 - 5.5.1. Key market trends, growth factors and opportunities
 - 5.5.2. Market size and forecast, by region
 - 5.5.3. Market share analysis by country
- 5.6. Ore Processing and Extraction
 - 5.6.1. Key market trends, growth factors and opportunities
 - 5.6.2. Market size and forecast, by region

- 5.6.3. Market share analysis by country
- 5.7. Others
 - 5.7.1. Key market trends, growth factors and opportunities
 - 5.7.2. Market size and forecast, by region
 - 5.7.3. Market share analysis by country

CHAPTER 6: CARBON MONOXIDE MARKET, BY REGION

- 6.1. Overview
 - 6.1.1. Market size and forecast By Region
- 6.2. North America
 - 6.2.1. Key market trends, growth factors and opportunities
 - 6.2.2. Market size and forecast, by Purity
 - 6.2.3. Market size and forecast, by Application
 - 6.2.4. Market size and forecast, by country
 - 6.2.4.1. U.S.
 - 6.2.4.1.1. Market size and forecast, by Purity
 - 6.2.4.1.2. Market size and forecast, by Application
 - 6.2.4.2. Canada
 - 6.2.4.2.1. Market size and forecast, by Purity
 - 6.2.4.2.2. Market size and forecast, by Application
 - 6.2.4.3. Mexico
 - 6.2.4.3.1. Market size and forecast, by Purity
 - 6.2.4.3.2. Market size and forecast, by Application
- 6.3. Europe
 - 6.3.1. Key market trends, growth factors and opportunities
 - 6.3.2. Market size and forecast, by Purity
 - 6.3.3. Market size and forecast, by Application
 - 6.3.4. Market size and forecast, by country
 - 6.3.4.1. Germany
 - 6.3.4.1.1. Market size and forecast, by Purity
 - 6.3.4.1.2. Market size and forecast, by Application
 - 6.3.4.2. UK
 - 6.3.4.2.1. Market size and forecast, by Purity
 - 6.3.4.2.2. Market size and forecast, by Application
 - 6.3.4.3. France
 - 6.3.4.3.1. Market size and forecast, by Purity
 - 6.3.4.3.2. Market size and forecast, by Application
 - 6.3.4.4. Italy

- 6.3.4.4.1. Market size and forecast, by Purity
- 6.3.4.4.2. Market size and forecast, by Application
- 6.3.4.5. Spain
 - 6.3.4.5.1. Market size and forecast, by Purity
 - 6.3.4.5.2. Market size and forecast, by Application
- 6.3.4.6. Rest of Europe
 - 6.3.4.6.1. Market size and forecast, by Purity
 - 6.3.4.6.2. Market size and forecast, by Application
- 6.4. Asia-Pacific
 - 6.4.1. Key market trends, growth factors and opportunities
 - 6.4.2. Market size and forecast, by Purity
 - 6.4.3. Market size and forecast, by Application
 - 6.4.4. Market size and forecast, by country
 - 6.4.4.1. China
 - 6.4.4.1.1. Market size and forecast, by Purity
 - 6.4.4.1.2. Market size and forecast, by Application
 - 6.4.4.2. Japan
 - 6.4.4.2.1. Market size and forecast, by Purity
 - 6.4.4.2.2. Market size and forecast, by Application
 - 6.4.4.3. India
 - 6.4.4.3.1. Market size and forecast, by Purity
 - 6.4.4.3.2. Market size and forecast, by Application
 - 6.4.4.4. South Korea
 - 6.4.4.4.1. Market size and forecast, by Purity
 - 6.4.4.4.2. Market size and forecast, by Application
 - 6.4.4.5. Australia
 - 6.4.4.5.1. Market size and forecast, by Purity
 - 6.4.4.5.2. Market size and forecast, by Application
 - 6.4.4.6. Rest of Asia-Pacific
 - 6.4.4.6.1. Market size and forecast, by Purity
 - 6.4.4.6.2. Market size and forecast, by Application
- 6.5. LAMEA
 - 6.5.1. Key market trends, growth factors and opportunities
 - 6.5.2. Market size and forecast, by Purity
 - 6.5.3. Market size and forecast, by Application
 - 6.5.4. Market size and forecast, by country
 - 6.5.4.1. Brazil
 - 6.5.4.1.1. Market size and forecast, by Purity
 - 6.5.4.1.2. Market size and forecast, by Application

- 6.5.4.2. South Africa,
 - 6.5.4.2.1. Market size and forecast, by Purity
 - 6.5.4.2.2. Market size and forecast, by Application
- 6.5.4.3. Saudi Arabia
 - 6.5.4.3.1. Market size and forecast, by Purity
 - 6.5.4.3.2. Market size and forecast, by Application
- 6.5.4.4. Rest of LAMEA
 - 6.5.4.4.1. Market size and forecast, by Purity
 - 6.5.4.4.2. Market size and forecast, by Application

CHAPTER 7: COMPETITIVE LANDSCAPE

- 7.1. Introduction
- 7.2. Top winning strategies
- 7.3. Product mapping of top 10 player
- 7.4. Competitive dashboard
- 7.5. Competitive heatmap
- 7.6. Top player positioning, 2022

CHAPTER 8: COMPANY PROFILES

- 8.1. Air Liquide
 - 8.1.1. Company overview
 - 8.1.2. Key executives
 - 8.1.3. Company snapshot
 - 8.1.4. Operating business segments
 - 8.1.5. Product portfolio
 - 8.1.6. Business performance
 - 8.1.7. Key strategic moves and developments
- 8.2. Linde plc
 - 8.2.1. Company overview
 - 8.2.2. Key executives
 - 8.2.3. Company snapshot
 - 8.2.4. Operating business segments
 - 8.2.5. Product portfolio
 - 8.2.6. Business performance
 - 8.2.7. Key strategic moves and developments
- 8.3. Air Products and Chemicals, Inc.
 - 8.3.1. Company overview

- 8.3.2. Key executives
- 8.3.3. Company snapshot
- 8.3.4. Operating business segments
- 8.3.5. Product portfolio
- 8.3.6. Business performance
- 8.3.7. Key strategic moves and developments
- 8.4. American Gas Products
 - 8.4.1. Company overview
 - 8.4.2. Key executives
 - 8.4.3. Company snapshot
 - 8.4.4. Operating business segments
 - 8.4.5. Product portfolio
 - 8.4.6. Business performance
 - 8.4.7. Key strategic moves and developments
- 8.5. Sipchem Company
 - 8.5.1. Company overview
 - 8.5.2. Key executives
 - 8.5.3. Company snapshot
 - 8.5.4. Operating business segments
 - 8.5.5. Product portfolio
 - 8.5.6. Business performance
 - 8.5.7. Key strategic moves and developments
- 8.6. Messer SE & Co. KGaA
 - 8.6.1. Company overview
 - 8.6.2. Key executives
 - 8.6.3. Company snapshot
 - 8.6.4. Operating business segments
 - 8.6.5. Product portfolio
 - 8.6.6. Business performance
 - 8.6.7. Key strategic moves and developments
- 8.7. ATCO Atmospheric And Speciality Gases Private Limited.
 - 8.7.1. Company overview
 - 8.7.2. Key executives
 - 8.7.3. Company snapshot
 - 8.7.4. Operating business segments
 - 8.7.5. Product portfolio
 - 8.7.6. Business performance
 - 8.7.7. Key strategic moves and developments
- 8.8. middlesex gases & technologies, inc.

- 8.8.1. Company overview
- 8.8.2. Key executives
- 8.8.3. Company snapshot
- 8.8.4. Operating business segments
- 8.8.5. Product portfolio
- 8.8.6. Business performance
- 8.8.7. Key strategic moves and developments
- 8.9. Celanese Corporation
 - 8.9.1. Company overview
 - 8.9.2. Key executives
 - 8.9.3. Company snapshot
 - 8.9.4. Operating business segments
 - 8.9.5. Product portfolio
 - 8.9.6. Business performance
 - 8.9.7. Key strategic moves and developments
- 8.10. Axcel Gases
 - 8.10.1. Company overview
 - 8.10.2. Key executives
 - 8.10.3. Company snapshot
 - 8.10.4. Operating business segments
 - 8.10.5. Product portfolio
 - 8.10.6. Business performance
 - 8.10.7. Key strategic moves and developments

List Of Tables

LIST OF TABLES

TABLE 01. GLOBAL CARBON MONOXIDE MARKET, BY PURITY, 2022-2032 (\$MILLION)

TABLE 02. CARBON MONOXIDE MARKET FOR BELOW 99% , BY REGION, 2022-2032 (\$MILLION)

TABLE 03. CARBON MONOXIDE MARKET FOR MORE THAN 99% , BY REGION, 2022-2032 (\$MILLION)

TABLE 04. GLOBAL CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 05. CARBON MONOXIDE MARKET FOR METAL FABRICATION, BY REGION, 2022-2032 (\$MILLION)

TABLE 06. CARBON MONOXIDE MARKET FOR CHEMICALS, BY REGION, 2022-2032 (\$MILLION)

TABLE 07. CARBON MONOXIDE MARKET FOR PHARMACEUTICALS, BY REGION, 2022-2032 (\$MILLION)

TABLE 08. CARBON MONOXIDE MARKET FOR ELECTRONICS, BY REGION, 2022-2032 (\$MILLION)

TABLE 09. CARBON MONOXIDE MARKET FOR ORE PROCESSING AND EXTRACTION, BY REGION, 2022-2032 (\$MILLION)

TABLE 10. CARBON MONOXIDE MARKET FOR OTHERS, BY REGION, 2022-2032 (\$MILLION)

TABLE 11. CARBON MONOXIDE MARKET, BY REGION, 2022-2032 (\$MILLION)

TABLE 12. NORTH AMERICA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032 (\$MILLION)

TABLE 13. NORTH AMERICA CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 14. NORTH AMERICA CARBON MONOXIDE MARKET, BY COUNTRY, 2022-2032 (\$MILLION)

TABLE 15. U.S. CARBON MONOXIDE MARKET, BY PURITY, 2022-2032 (\$MILLION)

TABLE 16. U.S. CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 17. CANADA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032 (\$MILLION)

TABLE 18. CANADA CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 19. MEXICO CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 20. MEXICO CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 21. EUROPE CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 22. EUROPE CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 23. EUROPE CARBON MONOXIDE MARKET, BY COUNTRY, 2022-2032

(\$MILLION)

TABLE 24. GERMANY CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 25. GERMANY CARBON MONOXIDE MARKET, BY APPLICATION,
2022-2032 (\$MILLION)

TABLE 26. UK CARBON MONOXIDE MARKET, BY PURITY, 2022-2032 (\$MILLION)

TABLE 27. UK CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 28. FRANCE CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 29. FRANCE CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 30. ITALY CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 31. ITALY CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 32. SPAIN CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 33. SPAIN CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 34. REST OF EUROPE CARBON MONOXIDE MARKET, BY PURITY,
2022-2032 (\$MILLION)

TABLE 35. REST OF EUROPE CARBON MONOXIDE MARKET, BY APPLICATION,
2022-2032 (\$MILLION)

TABLE 36. ASIA-PACIFIC CARBON MONOXIDE MARKET, BY PURITY, 2022-2032
(\$MILLION)

TABLE 37. ASIA-PACIFIC CARBON MONOXIDE MARKET, BY APPLICATION,
2022-2032 (\$MILLION)

TABLE 38. ASIA-PACIFIC CARBON MONOXIDE MARKET, BY COUNTRY, 2022-2032
(\$MILLION)

TABLE 39. CHINA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 40. CHINA CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 41. JAPAN CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 42. JAPAN CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 43. INDIA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 44. INDIA CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032

(\$MILLION)

TABLE 45. SOUTH KOREA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 46. SOUTH KOREA CARBON MONOXIDE MARKET, BY APPLICATION,
2022-2032 (\$MILLION)

TABLE 47. AUSTRALIA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032

(\$MILLION)

TABLE 48. AUSTRALIA CARBON MONOXIDE MARKET, BY APPLICATION,
2022-2032 (\$MILLION)

TABLE 49. REST OF ASIA-PACIFIC CARBON MONOXIDE MARKET, BY PURITY,
2022-2032 (\$MILLION)

TABLE 50. REST OF ASIA-PACIFIC CARBON MONOXIDE MARKET, BY
APPLICATION, 2022-2032 (\$MILLION)

TABLE 51. LAMEA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032
(\$MILLION)

TABLE 52. LAMEA CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032
(\$MILLION)

TABLE 53. LAMEA CARBON MONOXIDE MARKET, BY COUNTRY, 2022-2032
(\$MILLION)

TABLE 54. BRAZIL CARBON MONOXIDE MARKET, BY PURITY, 2022-2032
(\$MILLION)

TABLE 55. BRAZIL CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032
(\$MILLION)

TABLE 56. SOUTH AFRICA, CARBON MONOXIDE MARKET, BY PURITY, 2022-2032
(\$MILLION)

TABLE 57. SOUTH AFRICA, CARBON MONOXIDE MARKET, BY APPLICATION,
2022-2032 (\$MILLION)

TABLE 58. SAUDI ARABIA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032
(\$MILLION)

TABLE 59. SAUDI ARABIA CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 60. REST OF LAMEA CARBON MONOXIDE MARKET, BY PURITY, 2022-2032 (\$MILLION)

TABLE 61. REST OF LAMEA CARBON MONOXIDE MARKET, BY APPLICATION, 2022-2032 (\$MILLION)

TABLE 62. AIR LIQUIDE: KEY EXECUTIVES

TABLE 63. AIR LIQUIDE: COMPANY SNAPSHOT

TABLE 64. AIR LIQUIDE: PRODUCT SEGMENTS

TABLE 65. AIR LIQUIDE: SERVICE SEGMENTS

TABLE 66. AIR LIQUIDE: PRODUCT PORTFOLIO

TABLE 67. AIR LIQUIDE: KEY STRATERGIES

TABLE 68. LINDE PLC: KEY EXECUTIVES

TABLE 69. LINDE PLC: COMPANY SNAPSHOT

TABLE 70. LINDE PLC: PRODUCT SEGMENTS

TABLE 71. LINDE PLC: SERVICE SEGMENTS

TABLE 72. LINDE PLC: PRODUCT PORTFOLIO

TABLE 73. LINDE PLC: KEY STRATERGIES

TABLE 74. AIR PRODUCTS AND CHEMICALS, INC.: KEY EXECUTIVES

TABLE 75. AIR PRODUCTS AND CHEMICALS, INC.: COMPANY SNAPSHOT

TABLE 76. AIR PRODUCTS AND CHEMICALS, INC.: PRODUCT SEGMENTS

TABLE 77. AIR PRODUCTS AND CHEMICALS, INC.: SERVICE SEGMENTS

TABLE 78. AIR PRODUCTS AND CHEMICALS, INC.: PRODUCT PORTFOLIO

TABLE 79. AIR PRODUCTS AND CHEMICALS, INC.: KEY STRATERGIES

TABLE 80. AMERICAN GAS PRODUCTS: KEY EXECUTIVES

TABLE 81. AMERICAN GAS PRODUCTS: COMPANY SNAPSHOT

TABLE 82. AMERICAN GAS PRODUCTS: PRODUCT SEGMENTS

TABLE 83. AMERICAN GAS PRODUCTS: SERVICE SEGMENTS

TABLE 84. AMERICAN GAS PRODUCTS: PRODUCT PORTFOLIO

TABLE 85. AMERICAN GAS PRODUCTS: KEY STRATERGIES

TABLE 86. SIPCHEM COMPANY: KEY EXECUTIVES

TABLE 87. SIPCHEM COMPANY: COMPANY SNAPSHOT

TABLE 88. SIPCHEM COMPANY: PRODUCT SEGMENTS

TABLE 89. SIPCHEM COMPANY: SERVICE SEGMENTS

TABLE 90. SIPCHEM COMPANY: PRODUCT PORTFOLIO

TABLE 91. SIPCHEM COMPANY: KEY STRATERGIES

TABLE 92. MESSER SE & CO. KGAA: KEY EXECUTIVES

TABLE 93. MESSER SE & CO. KGAA: COMPANY SNAPSHOT

TABLE 94. MESSER SE & CO. KGAA: PRODUCT SEGMENTS

TABLE 95. MESSER SE & CO. KGAA: SERVICE SEGMENTS

TABLE 96. MESSER SE & CO. KGAA: PRODUCT PORTFOLIO

TABLE 97. MESSER SE & CO. KGAA: KEY STRATEGIES

TABLE 98. ATCO ATMOSPHERIC AND SPECIALITY GASES PRIVATE LIMITED.:
KEY EXECUTIVES

TABLE 99. ATCO ATMOSPHERIC AND SPECIALITY GASES PRIVATE LIMITED.:
COMPANY SNAPSHOT

TABLE 100. ATCO ATMOSPHERIC AND SPECIALITY GASES PRIVATE LIMITED.:
PRODUCT SEGMENTS

TABLE 101. ATCO ATMOSPHERIC AND SPECIALITY GASES PRIVATE LIMITED.:
SERVICE SEGMENTS

TABLE 102. ATCO ATMOSPHERIC AND SPECIALITY GASES PRIVATE LIMITED.:
PRODUCT PORTFOLIO

TABLE 103. ATCO ATMOSPHERIC AND SPECIALITY GASES PRIVATE LIMITED.:
KEY STRATEGIES

TABLE 104. MIDDLESEX GASES & TECHNOLOGIES, INC.: KEY EXECUTIVES

TABLE 105. MIDDLESEX GASES & TECHNOLOGIES, INC.: COMPANY SNAPSHOT

TABLE 106. MIDDLESEX GASES & TECHNOLOGIES, INC.: PRODUCT SEGMENTS

TABLE 107. MIDDLESEX GASES & TECHNOLOGIES, INC.: SERVICE SEGMENTS

TABLE 108. MIDDLESEX GASES & TECHNOLOGIES, INC.: PRODUCT PORTFOLIO

TABLE 109. MIDDLESEX GASES & TECHNOLOGIES, INC.: KEY STRATEGIES

TABLE 110. CELANESE CORPORATION: KEY EXECUTIVES

TABLE 111. CELANESE CORPORATION: COMPANY SNAPSHOT

TABLE 112. CELANESE CORPORATION: PRODUCT SEGMENTS

TABLE 113. CELANESE CORPORATION: SERVICE SEGMENTS

TABLE 114. CELANESE CORPORATION: PRODUCT PORTFOLIO

TABLE 115. CELANESE CORPORATION: KEY STRATEGIES

TABLE 116. AXCEL GASES: KEY EXECUTIVES

TABLE 117. AXCEL GASES: COMPANY SNAPSHOT

TABLE 118. AXCEL GASES: PRODUCT SEGMENTS

TABLE 119. AXCEL GASES: SERVICE SEGMENTS

TABLE 120. AXCEL GASES: PRODUCT PORTFOLIO

TABLE 121. AXCEL GASES: KEY STRATEGIES

List Of Figures

LIST OF FIGURES

FIGURE 01. CARBON MONOXIDE MARKET, 2022-2032

FIGURE 02. SEGMENTATION OF CARBON MONOXIDE MARKET, 2022-2032

FIGURE 03. TOP IMPACTING FACTORS IN CARBON MONOXIDE MARKET (2022 TO 2032)

FIGURE 04. TOP INVESTMENT POCKETS IN CARBON MONOXIDE MARKET (2023-2032)

FIGURE 05. MODERATE BARGAINING POWER OF SUPPLIERS

FIGURE 06. MODERATE THREAT OF NEW ENTRANTS

FIGURE 07. MODERATE THREAT OF SUBSTITUTES

FIGURE 08. MODERATE INTENSITY OF RIVALRY

FIGURE 09. MODERATE BARGAINING POWER OF BUYERS

FIGURE 10. GLOBAL CARBON MONOXIDE MARKET: DRIVERS, RESTRAINTS AND OPPORTUNITIES

FIGURE 11. CARBON MONOXIDE MARKET, BY PURITY, 2022 AND 2032(%)

FIGURE 12. COMPARATIVE SHARE ANALYSIS OF CARBON MONOXIDE MARKET FOR BELOW 99% , BY COUNTRY 2022 AND 2032(%)

FIGURE 13. COMPARATIVE SHARE ANALYSIS OF CARBON MONOXIDE MARKET FOR MORE THAN 99% , BY COUNTRY 2022 AND 2032(%)

FIGURE 14. CARBON MONOXIDE MARKET, BY APPLICATION, 2022 AND 2032(%)

FIGURE 15. COMPARATIVE SHARE ANALYSIS OF CARBON MONOXIDE MARKET FOR METAL FABRICATION, BY COUNTRY 2022 AND 2032(%)

FIGURE 16. COMPARATIVE SHARE ANALYSIS OF CARBON MONOXIDE MARKET FOR CHEMICALS, BY COUNTRY 2022 AND 2032(%)

FIGURE 17. COMPARATIVE SHARE ANALYSIS OF CARBON MONOXIDE MARKET FOR PHARMACEUTICALS, BY COUNTRY 2022 AND 2032(%)

FIGURE 18. COMPARATIVE SHARE ANALYSIS OF CARBON MONOXIDE MARKET FOR ELECTRONICS, BY COUNTRY 2022 AND 2032(%)

FIGURE 19. COMPARATIVE SHARE ANALYSIS OF CARBON MONOXIDE MARKET FOR ORE PROCESSING AND EXTRACTION, BY COUNTRY 2022 AND 2032(%)

FIGURE 20. COMPARATIVE SHARE ANALYSIS OF CARBON MONOXIDE MARKET FOR OTHERS, BY COUNTRY 2022 AND 2032(%)

FIGURE 21. CARBON MONOXIDE MARKET BY REGION, 2022 AND 2032(%)

FIGURE 22. U.S. CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 23. CANADA CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 24. MEXICO CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 25. GERMANY CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 26. UK CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 27. FRANCE CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 28. ITALY CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 29. SPAIN CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 30. REST OF EUROPE CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 31. CHINA CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 32. JAPAN CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 33. INDIA CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 34. SOUTH KOREA CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 35. AUSTRALIA CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 36. REST OF ASIA-PACIFIC CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 37. BRAZIL CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 38. SOUTH AFRICA, CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 39. SAUDI ARABIA CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 40. REST OF LAMEA CARBON MONOXIDE MARKET, 2022-2032 (\$MILLION)

FIGURE 41. TOP WINNING STRATEGIES, BY YEAR

FIGURE 42. TOP WINNING STRATEGIES, BY DEVELOPMENT

FIGURE 43. TOP WINNING STRATEGIES, BY COMPANY

FIGURE 44. PRODUCT MAPPING OF TOP 10 PLAYERS

FIGURE 45. COMPETITIVE DASHBOARD

FIGURE 46. COMPETITIVE HEATMAP: CARBON MONOXIDE MARKET

FIGURE 47. TOP PLAYER POSITIONING, 2022

I would like to order

Product name: Carbon Monoxide Market By Purity (Below 99% , More than 99%), By Application (Metal Fabrication, Chemicals, Pharmaceuticals, Electronics, Ore Processing and Extraction, Others): Global Opportunity Analysis and Industry Forecast, 2022 - 2032

Product link: <https://marketpublishers.com/r/C650FC3F5BC8EN.html>

Price: US\$ 3,570.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C650FC3F5BC8EN.html>