

Global Cryogenic Equipment Market Size study & Forecast, by Product (Tank, Valve, Vaporizer, Pump, Actuator, Bayonet Connection, Others), by Cryogen Type (Nitrogen, Oxygen, Argon, Liquefied Natural Gas (LNG), Hydrogen, Helium, Others), by End-User (Oil & Gas, Metallurgy, Power Generation, Chemical & Petrochemical, Marine, Others) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GB7751045C42EN.html>

Date: August 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GB7751045C42EN

Abstracts

Global Cryogenic Equipment Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. Cryogenic equipment is mainly utilized in the oil & gas industry for the storage and transportation of Liquefied Natural Gas and industrial gases in industrial operations. The growth of the industrial sector is essential for both economic development and raising public awareness of the importance of developing sustainable energy sources. These elements have a significant impact on the market's expansion. The key factors driving the market growth is the high demand for industrial gases from the metallurgy and energy & power industries, the growing demand for LNG, the rising need for clean energy source, the increasing demand from the healthcare and medical industry, and expanding industrial gas industry that anticipated to support the market growth during the forecast period 2023-2030.

Moreover, the growing liquefied natural gas (LNG) trade has a significant impact on the growth of the cryogenic equipment market. The LNG is produced by cooling natural gas to cryogenic temperatures, which reduces its volume significantly, making it easier and more cost-effective to transport. This process requires a wide range of cryogenic

equipment, including liquefaction plants, storage tanks, and transportation vessels. As the demand for LNG increases, there is a corresponding need for more cryogenic equipment to support its production and transportation. According to Statista, in 2019, the worldwide trade of Liquefied natural gas was 484 billion cubic meters and in 2022 the trade volume reached 542 billion cubic meters. As a result, the growing Liquefied natural gas is anticipated to support the market growth. Additionally, evolving cryogenic electronics applications and transition toward renewable energy and increasing awareness of cryogenic energy storage systems are anticipated to create lucrative opportunities for the market during the forecast period 2023-2030. However, the high CAPEX and OPEX costs associated with cryogenic plants, volatile raw material prices and competition from gray market players stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Cryogenic Equipment Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the expanding industrial applications, increasing demand for LNG, technological advancements, and stringent regulatory standards. Whereas, the Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as the increasing demand from various end-use industries, growing healthcare sector, advancements in industrial gas applications, infrastructure development, and expanding LNG industry.

Major market player included in this report are:

Linde plc (Ireland)

Air Liquide (France)

Air Products and Chemicals, Inc (US)

Chart Industries Inc. (Georgia)

Parker Hannifin Corp (US)

Flowserve Corporation (US)

SHI Cryogenics Group (Japan)

Emerson Electric Co. (US)

Sulzer Ltd (Switzerland)

Acme Cryo (US)

Recent Developments in the Market:

In December 2021, Chart Industries cooperated with Howden to develop advanced hydrogen solutions and to include Howden's gas compression technology into chart Industries' services.

Global Cryogenic Equipment Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered – Product, Cryogen Type, End-User, Region

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

Customization Scope - Free report customization (equivalent up to 8 analyst's 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 to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Tank

Valve

Vaporizer

Pump

Actuator

Bayonet Connection

Others

By Cryogen Type:

Nitrogen

Oxygen

Argon

Liquefied Natural Gas (LNG)

Hydrogen

Helium

Others

By End-User:

Oil & Gas

Metallurgy

Power Generation

Chemical & Petrochemical

Marine

Others

By Region:**North America**

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Cryogenic Equipment Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Cryogenic Equipment Market, by Product, 2020-2030 (USD Billion)
 - 1.2.3. Cryogenic Equipment Market, by Cryogen Type, 2020-2030 (USD Billion)
 - 1.2.4. Cryogenic Equipment Market, by End-User, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL CRYOGENIC EQUIPMENT MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL CRYOGENIC EQUIPMENT MARKET DYNAMICS

- 3.1. Cryogenic Equipment Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. High demand for industrial gases from metallurgy and energy & power industries
 - 3.1.1.2. Growing demand for LNG, rising need for clean energy source
 - 3.1.1.3. Increasing demand from healthcare and medical industry
 - 3.1.2. Market Challenges
 - 3.1.2.1. High CAPEX and OPEX costs associated with cryogenic plants,
 - 3.1.2.2. Volatile raw material prices and competition from gray market players
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Evolving cryogenic electronics applications and transition toward renewable energy
 - 3.1.3.2. Increasing awareness of cryogenic energy storage systems

CHAPTER 4. GLOBAL CRYOGENIC EQUIPMENT 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
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST 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 opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL CRYOGENIC EQUIPMENT MARKET, BY PRODUCT

- 5.1. Market Snapshot
- 5.2. Global Cryogenic Equipment Market by Product, Performance - Potential Analysis
- 5.3. Global Cryogenic Equipment Market Estimates & Forecasts by Product 2020-2030 (USD Billion)
- 5.4. Cryogenic Equipment Market, Sub Segment Analysis
 - 5.4.1. Tank
 - 5.4.2. Valve
 - 5.4.3. Vaporizer
 - 5.4.4. Pump
 - 5.4.5. Actuator
 - 5.4.6. Bayonet Connection
 - 5.4.7. Others

CHAPTER 6. GLOBAL CRYOGENIC EQUIPMENT MARKET, BY CRYOGEN TYPE

- 6.1. Market Snapshot
- 6.2. Global Cryogenic Equipment Market by Cryogen Type, Performance - Potential Analysis
- 6.3. Global Cryogenic Equipment Market Estimates & Forecasts by Cryogen Type 2020-2030 (USD Billion)
- 6.4. Cryogenic Equipment Market, Sub Segment Analysis
 - 6.4.1. Nitrogen
 - 6.4.2. Oxygen
 - 6.4.3. Argon
 - 6.4.4. Liquefied Natural Gas (LNG)
 - 6.4.5. Hydrogen
 - 6.4.6. Helium
 - 6.4.7. Others

CHAPTER 7. GLOBAL CRYOGENIC EQUIPMENT MARKET, BY END-USER

- 7.1. Market Snapshot
- 7.2. Global Cryogenic Equipment Market by End-User, Performance - Potential Analysis
- 7.3. Global Cryogenic Equipment Market Estimates & Forecasts by End-User 2020-2030 (USD Billion)
- 7.4. Cryogenic Equipment Market, Sub Segment Analysis
 - 7.4.1. Oil & Gas
 - 7.4.2. Metallurgy
 - 7.4.3. Power Generation
 - 7.4.4. Chemical & Petrochemical
 - 7.4.5. Marine
 - 7.4.6. Others

CHAPTER 8. GLOBAL CRYOGENIC EQUIPMENT MARKET, REGIONAL ANALYSIS

- 8.1. Top Leading Countries
- 8.2. Top Emerging Countries
- 8.3. Cryogenic Equipment Market, Regional Market Snapshot
- 8.4. North America Cryogenic Equipment Market
 - 8.4.1. U.S. Cryogenic Equipment Market
 - 8.4.1.1. Product breakdown estimates & forecasts, 2020-2030
 - 8.4.1.2. Cryogen Type breakdown estimates & forecasts, 2020-2030

- 8.4.1.3. End-User breakdown estimates & forecasts, 2020-2030
- 8.4.2. Canada Cryogenic Equipment Market
- 8.5. Europe Cryogenic Equipment Market Snapshot
 - 8.5.1. U.K. Cryogenic Equipment Market
 - 8.5.2. Germany Cryogenic Equipment Market
 - 8.5.3. France Cryogenic Equipment Market
 - 8.5.4. Spain Cryogenic Equipment Market
 - 8.5.5. Italy Cryogenic Equipment Market
 - 8.5.6. Rest of Europe Cryogenic Equipment Market
- 8.6. Asia-Pacific Cryogenic Equipment Market Snapshot
 - 8.6.1. China Cryogenic Equipment Market
 - 8.6.2. India Cryogenic Equipment Market
 - 8.6.3. Japan Cryogenic Equipment Market
 - 8.6.4. Australia Cryogenic Equipment Market
 - 8.6.5. South Korea Cryogenic Equipment Market
 - 8.6.6. Rest of Asia Pacific Cryogenic Equipment Market
- 8.7. Latin America Cryogenic Equipment Market Snapshot
 - 8.7.1. Brazil Cryogenic Equipment Market
 - 8.7.2. Mexico Cryogenic Equipment Market
- 8.8. Middle East & Africa Cryogenic Equipment Market
 - 8.8.1. Saudi Arabia Cryogenic Equipment Market
 - 8.8.2. South Africa Cryogenic Equipment Market
 - 8.8.3. Rest of Middle East & Africa Cryogenic Equipment Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Linde plc (Ireland)
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Recent Developments
 - 9.3.2. Air Liquide (France)

- 9.3.3. Air Products and Chemicals, Inc (US)
- 9.3.4. Chart Industries Inc. (Georgia)
- 9.3.5. PARKER HANNIFIN CORP (US)
- 9.3.6. Flowserve Corporation (US)
- 9.3.7. SHI Cryogenics Group (Japan)
- 9.3.8. Emerson Electric Co. (US)
- 9.3.9. Sulzer Ltd (Switzerland)
- 9.3.10. Acme Cryo (US)

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

10.3. Research Assumption

12. List of Tables

TABLE 1. Global Cryogenic Equipment Market, report scope

TABLE 2. Global Cryogenic Equipment Market estimates & forecasts by region
2020-2030 (USD Billion)

TABLE 3. Global Cryogenic Equipment Market estimates & forecasts by Product
2020-2030 (USD Billion)

TABLE 4. Global Cryogenic Equipment Market estimates & forecasts by Cryogen Type
2020-2030 (USD Billion)

TABLE 5. Global Cryogenic Equipment Market estimates & forecasts by End-User
2020-2030 (USD Billion)

TABLE 6. Global Cryogenic Equipment Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 7. Global Cryogenic Equipment Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 8. Global Cryogenic Equipment Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 9. Global Cryogenic Equipment Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 10. Global Cryogenic Equipment Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 11. Global Cryogenic Equipment Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 12. Global Cryogenic Equipment Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 13. Global Cryogenic Equipment Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 14. Global Cryogenic Equipment Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. Global Cryogenic Equipment Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 16. U.S. Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 17. U.S. Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 18. U.S. Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 19. Canada Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20. Canada Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. Canada Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23. UK Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. UK Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26. Germany Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. Germany Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29. France Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. France Cryogenic Equipment Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 31. Italy Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32. Italy Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Italy Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35. Spain Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. Spain Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38. RoE Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. RoE Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 40. China Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 41. China Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. China Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 43. India Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44. India Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. India Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 46. Japan Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 47. Japan Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. Japan Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 49. South Korea Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 50. South Korea Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. South Korea Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 52. Australia Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53. Australia Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. Australia Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 55. RoAPAC Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56. RoAPAC Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. RoAPAC Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 58. Brazil Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59. Brazil Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Brazil Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Mexico Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62. Mexico Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. Mexico Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. RoLA Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65. RoLA Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. RoLA Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. Saudi Arabia Cryogenic Equipment Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68. South Africa Cryogenic Equipment Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. RoMEA Cryogenic Equipment Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 70. 12. List of secondary sources, used in the study of global Cryogenic Equipment Market

TABLE 71. 12. List of primary sources, used in the study of global Cryogenic Equipment Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

12. List of figures

FIG 1. Global Cryogenic Equipment Market, research methodology

FIG 2. Global Cryogenic Equipment Market, Market estimation techniques

FIG 3. Global Market size estimates & forecast methods

FIG 4. Global Cryogenic Equipment Market, key trends 2022

FIG 5. Global Cryogenic Equipment Market, growth prospects 2023-2030

FIG 6. Global Cryogenic Equipment Market, porters 5 force model

FIG 7. Global Cryogenic Equipment Market, pest analysis

FIG 8. Global Cryogenic Equipment Market, value chain analysis

FIG 9. Global Cryogenic Equipment Market by segment, 2020 & 2030 (USD Billion)

FIG 10. Global Cryogenic Equipment Market by segment, 2020 & 2030 (USD Billion)

FIG 11. Global Cryogenic Equipment Market by segment, 2020 & 2030 (USD Billion)

FIG 12. Global Cryogenic Equipment Market by segment, 2020 & 2030 (USD Billion)

FIG 13. Global Cryogenic Equipment Market by segment, 2020 & 2030 (USD Billion)

FIG 14. Global Cryogenic Equipment Market, regional snapshot 2020 & 2030

FIG 15. North America Cryogenic Equipment Market 2020 & 2030 (USD Billion)

FIG 16. Europe Cryogenic Equipment Market 2020 & 2030 (USD Billion)

FIG 17. Asia pacific Cryogenic Equipment Market 2020 & 2030 (USD Billion)

FIG 18. Latin America Cryogenic Equipment Market 2020 & 2030 (USD Billion)

FIG 19. Middle East & Africa Cryogenic Equipment Market 2020 & 2030 (USD Billion)

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Cryogenic Equipment Market Size study & Forecast, by Product (Tank, Valve, Vaporizer, Pump, Actuator, Bayonet Connection, Others), by Cryogen Type (Nitrogen, Oxygen, Argon, Liquefied Natural Gas (LNG), Hydrogen, Helium, Others), by End-User (Oil & Gas, Metallurgy, Power Generation, Chemical & Petrochemical, Marine, Others) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/GB7751045C42EN.html>

Price: US\$ 4,950.00 (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/GB7751045C42EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970