

Global Industrial Gas Clean Energy Solution Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GB7FC6641038EN.html>

Date: August 2026

Pages: 143

Price: US\$ 4,480.00 (Single User License)

ID: GB7FC6641038EN

Abstracts

The global Industrial Gas Clean Energy Solution market size is expected to reach \$ 20600 million by 2032, rising at a market growth of 10.1% CAGR during the forecast period (2026-2032).

Industrial gas clean energy solutions are designed for sectors such as iron and steel, chemicals, building materials, ceramics, glass, non-ferrous metals, food processing, and industrial parks. Utilizing energy carriers like natural gas, biomethane, coalbed methane, coke oven gas, hydrogen, or other low-carbon gases, these solutions provide integrated services including gas supply, storage, transportation and pressure regulation, combustion system retrofitting, distributed energy systems, waste heat utilization, energy management, and emissions control. Typically, these solutions encompass gas source planning, pipeline network and station construction, fuel switching (converting coal or oil-fired boilers and industrial furnaces to gas), combined cooling, heating, and power (CCHP) systems, smart metering and monitoring, safety operations and maintenance (O&M), and carbon emissions management. The objective is to reduce the consumption of coal and high-pollution fuels, enhance energy efficiency, and lower emissions of particulate matter, sulfur oxides, nitrogen oxides, and greenhouse gases.

The upstream segment of the industrial gas clean energy solution value chain primarily comprises suppliers of gas sources?such as natural gas, biomethane, hydrogen, coke oven gas, and other industrial by-product gases?as well as manufacturers of compressors, storage tanks, vaporizers, pressure regulation and metering units, burners, boilers, industrial furnaces, pipelines and valves, waste heat recovery equipment, sensors, and automatic control systems. The midstream segment focuses on solution design and implementation, covering gas source assessment, energy

planning, fuel switching retrofits, distributed energy supply, CCHP systems, on-site industrial gas generation, infrastructure construction (pipelines and stations), combustion optimization, waste heat utilization, energy management platform development, and long-term O&M services; key participants include gas companies, industrial gas enterprises, energy engineering firms, energy-saving service providers, and integrated energy operators. Downstream clients are concentrated in industries such as iron and steel, chemicals, ceramics, glass, building materials, non-ferrous metals, food processing, automotive manufacturing, and industrial parks; companies typically generate profits through gas sales margins, equipment and engineering revenue, long-term gas supply contracts, energy management fees, and shared savings from energy efficiency improvements. The gross profit margin for industrial gas clean energy solutions is approximately 31%.

In terms of market demand, the growth of industrial gas clean energy solution is primarily driven by industrial emission reductions, improvements in energy efficiency, and the optimization of fuel mixes. Energy-intensive sectors such as iron and steel, chemicals, glass, ceramics, building materials, and non-ferrous metals are gradually reducing their reliance on high-emission fuels like coal and heavy oil. They are adopting alternatives such as natural gas, biomethane, industrial by-product gases, and hydrogen, while simultaneously lowering pollutant and carbon emissions through combustion system upgrades, waste heat recovery, and the deployment of distributed energy systems. Compared to simple gas supply, integrated solutions that offer gas source assurance, equipment retrofitting, energy management, and long-term operation and maintenance are better positioned to meet industrial clients' comprehensive needs for safety, stability, energy efficiency, and environmental compliance.

Regarding the competitive landscape, industry participants include urban gas and natural gas suppliers, industrial gas companies, energy engineering contractors, combustion equipment manufacturers, and integrated energy service providers. Large enterprises typically build competitive advantages through gas sourcing capabilities, pipeline network assets, engineering expertise, and long-standing client relationships. In contrast, small and medium-sized enterprises (SMEs) tend to focus on niche areas such as industrial furnace retrofitting, combustion optimization, waste heat utilization, and customized services for specific industry segments. As gas trading and traditional EPC (Engineering, Procurement, and Construction) projects become increasingly commoditized, relying solely on price competition makes it difficult to sustain a competitive edge. Future competition will shift toward gas source diversification, energy system integration capabilities, digital operational proficiency, and the quantifiable verification of energy-saving and emission-reduction outcomes.

In terms of development trends, industrial gas clean energy solutions are evolving from simple 'fuel switching' to 'low-carbon integrated energy management.' While natural gas will continue to play a vital role as a transitional fuel, technologies such as biomethane, green hydrogen co-firing, industrial by-product gas recovery, and electrification will be progressively integrated into comprehensive solutions. Energy management platforms will combine smart metering, equipment condition monitoring, load forecasting, and carbon emission accounting to enable the coordinated dispatch of gas, electricity, heat, and waste energy. However, factors such as gas price volatility, insufficient infrastructure coverage, and the long payback periods associated with industrial investments remain significant constraints. Consequently, enterprises capable of lowering clients' upfront investment costs through mechanisms like Energy Performance Contracting (EPC), long-term energy supply agreements, and shared-savings models will be better positioned to secure large-scale industrial projects.

This report studies the global Industrial Gas Clean Energy Solution demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial Gas Clean Energy Solution, 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 Industrial Gas Clean Energy Solution that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Industrial Gas Clean Energy Solution total market, 2021-2032, (USD Million)

Global Industrial Gas Clean Energy Solution total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Industrial Gas Clean Energy Solution total market, key domestic companies, and share, (USD Million)

Global Industrial Gas Clean Energy Solution revenue by player, revenue and market share 2021-2026, (USD Million)

Global Industrial Gas Clean Energy Solution total market by Type, CAGR, 2021-2032, (USD Million)

Global Industrial Gas Clean Energy Solution total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Industrial Gas Clean Energy Solution

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 Air Liquide, Linde, ENGIE, Siemens Energy, Wartsila, 2G Energy, Clarke Energy, INNIO Jenbacher, Air Products, Bloom Energy, 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 Industrial Gas Clean Energy Solution 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 Industrial Gas Clean Energy Solution Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Industrial Gas Clean Energy Solution Market, Segmentation by Type:

Power Generation Solution

Distributed Energy Solution

Others

Global Industrial Gas Clean Energy Solution Market, Segmentation by Energy Utilization Efficiency:

Standard Efficiency (90%-95%)

Global Industrial Gas Clean Energy Solution Market, Segmentation by Carbon Emission Reduction Level:

Low-Reduction Hand Pattern

Intermediate-Reduction Hand Pattern

High-Reduction Hand Pattern

Global Industrial Gas Clean Energy Solution Market, Segmentation by Application:

Power and Energy Industry

Petrochemical Industry

Others

Companies Profiled:

Air Liquide

Linde

ENGIE

Siemens Energy

Wartsila

2G Energy

Clarke Energy

INNIO Jenbacher

Air Products

Bloom Energy

John Zink Hamworthy Combustion

Solar Turbines

Mitsubishi Power

Kawasaki Heavy Industries

Yanmar Energy System

ENN Energy

Towngas Smart Energy

China Gas Holdings

CIMC Enric

Shuangliang Eco-Energy

Key Questions Answered

1. How big is the global Industrial Gas Clean Energy Solution market?
2. What is the demand of the global Industrial Gas Clean Energy Solution market?

3. What is the year over year growth of the global Industrial Gas Clean Energy Solution market?
4. What is the total value of the global Industrial Gas Clean Energy Solution market?
5. Who are the Major Players in the global Industrial Gas Clean Energy Solution market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

- 2.1 World Industrial Gas Clean Energy Solution Consumption Value (2021-2032)
- 2.2 World Industrial Gas Clean Energy Solution Consumption Value by Region
 - 2.2.1 World Industrial Gas Clean Energy Solution Consumption Value by Region (2021-2026)
 - 2.2.2 World Industrial Gas Clean Energy Solution Consumption Value Forecast by Region (2027-2032)
- 2.3 United States Industrial Gas Clean Energy Solution Consumption Value

(2021-2032)

2.4 China Industrial Gas Clean Energy Solution Consumption Value (2021-2032)

2.5 Europe Industrial Gas Clean Energy Solution Consumption Value (2021-2032)

2.6 Japan Industrial Gas Clean Energy Solution Consumption Value (2021-2032)

2.7 South Korea Industrial Gas Clean Energy Solution Consumption Value (2021-2032)

2.8 ASEAN Industrial Gas Clean Energy Solution Consumption Value (2021-2032)

2.9 India Industrial Gas Clean Energy Solution Consumption Value (2021-2032)

3 WORLD INDUSTRIAL GAS CLEAN ENERGY SOLUTION COMPANIES COMPETITIVE ANALYSIS

3.1 World Industrial Gas Clean Energy Solution Revenue by Player (2021-2026)

3.2 Industry Rank and Concentration Rate (CR)

3.2.1 Global Industrial Gas Clean Energy Solution Industry Rank of Major Players

3.2.2 Global Concentration Ratios (CR4) for Industrial Gas Clean Energy Solution in 2025

3.2.3 Global Concentration Ratios (CR8) for Industrial Gas Clean Energy Solution in 2025

3.3 Industrial Gas Clean Energy Solution Company Evaluation Quadrant

3.4 Industrial Gas Clean Energy Solution Market: Overall Company Footprint Analysis

3.4.1 Industrial Gas Clean Energy Solution Market: Region Footprint

3.4.2 Industrial Gas Clean Energy Solution Market: Company Product Type Footprint

3.4.3 Industrial Gas Clean Energy Solution 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: Industrial Gas Clean Energy Solution Revenue Comparison (by Headquarter Location)

4.1.1 United States VS China: Industrial Gas Clean Energy Solution Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)

4.1.2 United States VS China: Industrial Gas Clean Energy Solution Revenue Market Share Comparison (2021 & 2025 & 2032)

4.2 United States Based Companies VS China Based Companies: Industrial Gas Clean Energy Solution Consumption Value Comparison

4.2.1 United States VS China: Industrial Gas Clean Energy Solution Consumption Value Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Industrial Gas Clean Energy Solution Consumption Value Market Share Comparison (2021 & 2025 & 2032)

4.3 United States Based Industrial Gas Clean Energy Solution Companies and Market Share, 2021-2026

4.3.1 United States Based Industrial Gas Clean Energy Solution Companies, Headquarters (States, Country)

4.3.2 United States Based Companies Industrial Gas Clean Energy Solution Revenue, (2021-2026)

4.4 China Based Companies Industrial Gas Clean Energy Solution Revenue and Market Share, 2021-2026

4.4.1 China Based Industrial Gas Clean Energy Solution Companies, Company Headquarters (Province, Country)

4.4.2 China Based Companies Industrial Gas Clean Energy Solution Revenue, (2021-2026)

4.5 Rest of World Based Industrial Gas Clean Energy Solution Companies and Market Share, 2021-2026

4.5.1 Rest of World Based Industrial Gas Clean Energy Solution Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies Industrial Gas Clean Energy Solution Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Industrial Gas Clean Energy Solution Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Power Generation Solution

5.2.2 Distributed Energy Solution

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Industrial Gas Clean Energy Solution Market Size by Type (2021-2026)

5.3.2 World Industrial Gas Clean Energy Solution Market Size by Type (2027-2032)

5.3.3 World Industrial Gas Clean Energy Solution Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY ENERGY UTILIZATION EFFICIENCY

6.1 World Industrial Gas Clean Energy Solution Market Size Overview by Energy Utilization Efficiency: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Energy Utilization Efficiency

6.2.1 Standard Efficiency (90%-95%)

6.3 Market Segment by Energy Utilization Efficiency

6.3.1 World Industrial Gas Clean Energy Solution Market Size by Energy Utilization Efficiency (2021-2026)

6.3.2 World Industrial Gas Clean Energy Solution Market Size by Energy Utilization Efficiency (2027-2032)

6.3.3 World Industrial Gas Clean Energy Solution Market Size Market Share by Energy Utilization Efficiency (2027-2032)

7 MARKET ANALYSIS BY CARBON EMISSION REDUCTION LEVEL

7.1 World Industrial Gas Clean Energy Solution Market Size Overview by Carbon Emission Reduction Level: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Carbon Emission Reduction Level

7.2.1 Low-Reduction Hand Pattern

7.2.2 Intermediate-Reduction Hand Pattern

7.2.3 High-Reduction Hand Pattern

7.3 Market Segment by Carbon Emission Reduction Level

7.3.1 World Industrial Gas Clean Energy Solution Market Size by Carbon Emission Reduction Level (2021-2026)

7.3.2 World Industrial Gas Clean Energy Solution Market Size by Carbon Emission Reduction Level (2027-2032)

7.3.3 World Industrial Gas Clean Energy Solution Market Size Market Share by Carbon Emission Reduction Level (2027-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Industrial Gas Clean Energy Solution Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Power and Energy Industry

8.2.2 Petrochemical Industry

8.2.3 Others

8.3 Market Segment by Application

8.3.1 World Industrial Gas Clean Energy Solution Market Size by Application (2021-2026)

8.3.2 World Industrial Gas Clean Energy Solution Market Size by Application (2027-2032)

8.3.3 World Industrial Gas Clean Energy Solution Market Size Market Share by Application (2021-2032)

9 COMPANY PROFILES

9.1 Air Liquide

9.1.1 Air Liquide Details

9.1.2 Air Liquide Major Business

9.1.3 Air Liquide Industrial Gas Clean Energy Solution Product and Services

9.1.4 Air Liquide Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.1.5 Air Liquide Recent Developments/Updates

9.1.6 Air Liquide Competitive Strengths & Weaknesses

9.2 Linde

9.2.1 Linde Details

9.2.2 Linde Major Business

9.2.3 Linde Industrial Gas Clean Energy Solution Product and Services

9.2.4 Linde Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.2.5 Linde Recent Developments/Updates

9.2.6 Linde Competitive Strengths & Weaknesses

9.3 ENGIE

9.3.1 ENGIE Details

9.3.2 ENGIE Major Business

9.3.3 ENGIE Industrial Gas Clean Energy Solution Product and Services

9.3.4 ENGIE Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.3.5 ENGIE Recent Developments/Updates

9.3.6 ENGIE Competitive Strengths & Weaknesses

9.4 Siemens Energy

9.4.1 Siemens Energy Details

9.4.2 Siemens Energy Major Business

9.4.3 Siemens Energy Industrial Gas Clean Energy Solution Product and Services

9.4.4 Siemens Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

- 9.4.5 Siemens Energy Recent Developments/Updates
- 9.4.6 Siemens Energy Competitive Strengths & Weaknesses
- 9.5 Wartsil?
 - 9.5.1 Wartsil? Details
 - 9.5.2 Wartsil? Major Business
 - 9.5.3 Wartsil? Industrial Gas Clean Energy Solution Product and Services
 - 9.5.4 Wartsil? Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Wartsil? Recent Developments/Updates
 - 9.5.6 Wartsil? Competitive Strengths & Weaknesses
- 9.6 2G Energy
 - 9.6.1 2G Energy Details
 - 9.6.2 2G Energy Major Business
 - 9.6.3 2G Energy Industrial Gas Clean Energy Solution Product and Services
 - 9.6.4 2G Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)
 - 9.6.5 2G Energy Recent Developments/Updates
 - 9.6.6 2G Energy Competitive Strengths & Weaknesses
- 9.7 Clarke Energy
 - 9.7.1 Clarke Energy Details
 - 9.7.2 Clarke Energy Major Business
 - 9.7.3 Clarke Energy Industrial Gas Clean Energy Solution Product and Services
 - 9.7.4 Clarke Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Clarke Energy Recent Developments/Updates
 - 9.7.6 Clarke Energy Competitive Strengths & Weaknesses
- 9.8 INNIO Jenbacher
 - 9.8.1 INNIO Jenbacher Details
 - 9.8.2 INNIO Jenbacher Major Business
 - 9.8.3 INNIO Jenbacher Industrial Gas Clean Energy Solution Product and Services
 - 9.8.4 INNIO Jenbacher Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)
 - 9.8.5 INNIO Jenbacher Recent Developments/Updates
 - 9.8.6 INNIO Jenbacher Competitive Strengths & Weaknesses
- 9.9 Air Products
 - 9.9.1 Air Products Details
 - 9.9.2 Air Products Major Business
 - 9.9.3 Air Products Industrial Gas Clean Energy Solution Product and Services
 - 9.9.4 Air Products Industrial Gas Clean Energy Solution Revenue, Gross Margin and

Market Share (2021-2026)

9.9.5 Air Products Recent Developments/Updates

9.9.6 Air Products Competitive Strengths & Weaknesses

9.10 Bloom Energy

9.10.1 Bloom Energy Details

9.10.2 Bloom Energy Major Business

9.10.3 Bloom Energy Industrial Gas Clean Energy Solution Product and Services

9.10.4 Bloom Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.10.5 Bloom Energy Recent Developments/Updates

9.10.6 Bloom Energy Competitive Strengths & Weaknesses

9.11 John Zink Hamworthy Combustion

9.11.1 John Zink Hamworthy Combustion Details

9.11.2 John Zink Hamworthy Combustion Major Business

9.11.3 John Zink Hamworthy Combustion Industrial Gas Clean Energy Solution Product and Services

9.11.4 John Zink Hamworthy Combustion Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.11.5 John Zink Hamworthy Combustion Recent Developments/Updates

9.11.6 John Zink Hamworthy Combustion Competitive Strengths & Weaknesses

9.12 Solar Turbines

9.12.1 Solar Turbines Details

9.12.2 Solar Turbines Major Business

9.12.3 Solar Turbines Industrial Gas Clean Energy Solution Product and Services

9.12.4 Solar Turbines Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.12.5 Solar Turbines Recent Developments/Updates

9.12.6 Solar Turbines Competitive Strengths & Weaknesses

9.13 Mitsubishi Power

9.13.1 Mitsubishi Power Details

9.13.2 Mitsubishi Power Major Business

9.13.3 Mitsubishi Power Industrial Gas Clean Energy Solution Product and Services

9.13.4 Mitsubishi Power Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.13.5 Mitsubishi Power Recent Developments/Updates

9.13.6 Mitsubishi Power Competitive Strengths & Weaknesses

9.14 Kawasaki Heavy Industries

9.14.1 Kawasaki Heavy Industries Details

9.14.2 Kawasaki Heavy Industries Major Business

9.14.3 Kawasaki Heavy Industries Industrial Gas Clean Energy Solution Product and Services

9.14.4 Kawasaki Heavy Industries Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.14.5 Kawasaki Heavy Industries Recent Developments/Updates

9.14.6 Kawasaki Heavy Industries Competitive Strengths & Weaknesses

9.15 Yanmar Energy System

9.15.1 Yanmar Energy System Details

9.15.2 Yanmar Energy System Major Business

9.15.3 Yanmar Energy System Industrial Gas Clean Energy Solution Product and Services

9.15.4 Yanmar Energy System Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.15.5 Yanmar Energy System Recent Developments/Updates

9.15.6 Yanmar Energy System Competitive Strengths & Weaknesses

9.16 ENN Energy

9.16.1 ENN Energy Details

9.16.2 ENN Energy Major Business

9.16.3 ENN Energy Industrial Gas Clean Energy Solution Product and Services

9.16.4 ENN Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.16.5 ENN Energy Recent Developments/Updates

9.16.6 ENN Energy Competitive Strengths & Weaknesses

9.17 Towngas Smart Energy

9.17.1 Towngas Smart Energy Details

9.17.2 Towngas Smart Energy Major Business

9.17.3 Towngas Smart Energy Industrial Gas Clean Energy Solution Product and Services

9.17.4 Towngas Smart Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.17.5 Towngas Smart Energy Recent Developments/Updates

9.17.6 Towngas Smart Energy Competitive Strengths & Weaknesses

9.18 China Gas Holdings

9.18.1 China Gas Holdings Details

9.18.2 China Gas Holdings Major Business

9.18.3 China Gas Holdings Industrial Gas Clean Energy Solution Product and Services

9.18.4 China Gas Holdings Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.18.5 China Gas Holdings Recent Developments/Updates

9.18.6 China Gas Holdings Competitive Strengths & Weaknesses

9.19 CIMC Enric

9.19.1 CIMC Enric Details

9.19.2 CIMC Enric Major Business

9.19.3 CIMC Enric Industrial Gas Clean Energy Solution Product and Services

9.19.4 CIMC Enric Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.19.5 CIMC Enric Recent Developments/Updates

9.19.6 CIMC Enric Competitive Strengths & Weaknesses

9.20 Shuangliang Eco-Energy

9.20.1 Shuangliang Eco-Energy Details

9.20.2 Shuangliang Eco-Energy Major Business

9.20.3 Shuangliang Eco-Energy Industrial Gas Clean Energy Solution Product and Services

9.20.4 Shuangliang Eco-Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026)

9.20.5 Shuangliang Eco-Energy Recent Developments/Updates

9.20.6 Shuangliang Eco-Energy Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Industrial Gas Clean Energy Solution Industry Chain

10.2 Industrial Gas Clean Energy Solution Upstream Analysis

10.3 Industrial Gas Clean Energy Solution Midstream Analysis

10.4 Industrial Gas Clean Energy Solution Downstream Analysis

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Industrial Gas Clean Energy Solution Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World Industrial Gas Clean Energy Solution Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World Industrial Gas Clean Energy Solution Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World Industrial Gas Clean Energy Solution Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World Industrial Gas Clean Energy Solution Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World Industrial Gas Clean Energy Solution Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World Industrial Gas Clean Energy Solution Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World Industrial Gas Clean Energy Solution Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World Industrial Gas Clean Energy Solution Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key Industrial Gas Clean Energy Solution Players in 2025

Table 12. World Industrial Gas Clean Energy Solution Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global Industrial Gas Clean Energy Solution Company Evaluation Quadrant

Table 14. Head Office of Key Industrial Gas Clean Energy Solution Players

Table 15. Industrial Gas Clean Energy Solution Market: Company Product Type Footprint

Table 16. Industrial Gas Clean Energy Solution Market: Company Product Application Footprint

Table 17. Industrial Gas Clean Energy Solution Mergers & Acquisitions Activity

Table 18. United States VS China Industrial Gas Clean Energy Solution Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China Industrial Gas Clean Energy Solution Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based Industrial Gas Clean Energy Solution Companies,

Headquarters (States, Country)

Table 21. United States Based Companies Industrial Gas Clean Energy Solution Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies Industrial Gas Clean Energy Solution Revenue Market Share (2021-2026)

Table 23. China Based Industrial Gas Clean Energy Solution Companies, Headquarters (Province, Country)

Table 24. China Based Companies Industrial Gas Clean Energy Solution Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Industrial Gas Clean Energy Solution Revenue Market Share (2021-2026)

Table 26. Rest of World Based Industrial Gas Clean Energy Solution Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Industrial Gas Clean Energy Solution Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Industrial Gas Clean Energy Solution Revenue Market Share (2021-2026)

Table 29. World Industrial Gas Clean Energy Solution Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World Industrial Gas Clean Energy Solution Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World Industrial Gas Clean Energy Solution Market Size by Type (2027-2032) & (USD Million)

Table 32. World Industrial Gas Clean Energy Solution Market Size by Energy Utilization Efficiency, (USD Million), 2021 & 2025 & 2032

Table 33. World Industrial Gas Clean Energy Solution Market Size Value by Energy Utilization Efficiency (2021-2026) & (USD Million)

Table 34. World Industrial Gas Clean Energy Solution Market Size by Energy Utilization Efficiency (2027-2032) & (USD Million)

Table 35. World Industrial Gas Clean Energy Solution Market Size by Carbon Emission Reduction Level, (USD Million), 2021 & 2025 & 2032

Table 36. World Industrial Gas Clean Energy Solution Market Size Value by Carbon Emission Reduction Level (2021-2026) & (USD Million)

Table 37. World Industrial Gas Clean Energy Solution Market Size by Carbon Emission Reduction Level (2027-2032) & (USD Million)

Table 38. World Industrial Gas Clean Energy Solution Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 39. World Industrial Gas Clean Energy Solution Market Size by Application (2021-2026) & (USD Million)

Table 40. World Industrial Gas Clean Energy Solution Market Size by Application (2027-2032) & (USD Million)

Table 41. Air Liquide Basic Information, Manufacturing Base and Competitors

Table 42. Air Liquide Major Business

Table 43. Air Liquide Industrial Gas Clean Energy Solution Product and Services

Table 44. Air Liquide Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 45. Air Liquide Recent Developments/Updates

Table 46. Air Liquide Competitive Strengths & Weaknesses

Table 47. Linde Basic Information, Manufacturing Base and Competitors

Table 48. Linde Major Business

Table 49. Linde Industrial Gas Clean Energy Solution Product and Services

Table 50. Linde Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 51. Linde Recent Developments/Updates

Table 52. Linde Competitive Strengths & Weaknesses

Table 53. ENGIE Basic Information, Manufacturing Base and Competitors

Table 54. ENGIE Major Business

Table 55. ENGIE Industrial Gas Clean Energy Solution Product and Services

Table 56. ENGIE Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 57. ENGIE Recent Developments/Updates

Table 58. ENGIE Competitive Strengths & Weaknesses

Table 59. Siemens Energy Basic Information, Manufacturing Base and Competitors

Table 60. Siemens Energy Major Business

Table 61. Siemens Energy Industrial Gas Clean Energy Solution Product and Services

Table 62. Siemens Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 63. Siemens Energy Recent Developments/Updates

Table 64. Siemens Energy Competitive Strengths & Weaknesses

Table 65. Wartsil Basic Information, Manufacturing Base and Competitors

Table 66. Wartsil Major Business

Table 67. Wartsil Industrial Gas Clean Energy Solution Product and Services

Table 68. Wartsil Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 69. Wartsil Recent Developments/Updates

Table 70. Wartsil Competitive Strengths & Weaknesses

Table 71. 2G Energy Basic Information, Manufacturing Base and Competitors

Table 72. 2G Energy Major Business

Table 73. 2G Energy Industrial Gas Clean Energy Solution Product and Services
Table 74. 2G Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 75. 2G Energy Recent Developments/Updates
Table 76. 2G Energy Competitive Strengths & Weaknesses
Table 77. Clarke Energy Basic Information, Manufacturing Base and Competitors
Table 78. Clarke Energy Major Business
Table 79. Clarke Energy Industrial Gas Clean Energy Solution Product and Services
Table 80. Clarke Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 81. Clarke Energy Recent Developments/Updates
Table 82. Clarke Energy Competitive Strengths & Weaknesses
Table 83. INNIO Jenbacher Basic Information, Manufacturing Base and Competitors
Table 84. INNIO Jenbacher Major Business
Table 85. INNIO Jenbacher Industrial Gas Clean Energy Solution Product and Services
Table 86. INNIO Jenbacher Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 87. INNIO Jenbacher Recent Developments/Updates
Table 88. INNIO Jenbacher Competitive Strengths & Weaknesses
Table 89. Air Products Basic Information, Manufacturing Base and Competitors
Table 90. Air Products Major Business
Table 91. Air Products Industrial Gas Clean Energy Solution Product and Services
Table 92. Air Products Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 93. Air Products Recent Developments/Updates
Table 94. Air Products Competitive Strengths & Weaknesses
Table 95. Bloom Energy Basic Information, Manufacturing Base and Competitors
Table 96. Bloom Energy Major Business
Table 97. Bloom Energy Industrial Gas Clean Energy Solution Product and Services
Table 98. Bloom Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 99. Bloom Energy Recent Developments/Updates
Table 100. Bloom Energy Competitive Strengths & Weaknesses
Table 101. John Zink Hamworthy Combustion Basic Information, Manufacturing Base and Competitors
Table 102. John Zink Hamworthy Combustion Major Business
Table 103. John Zink Hamworthy Combustion Industrial Gas Clean Energy Solution Product and Services
Table 104. John Zink Hamworthy Combustion Industrial Gas Clean Energy Solution

Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 105. John Zink Hamworthy Combustion Recent Developments/Updates

Table 106. John Zink Hamworthy Combustion Competitive Strengths & Weaknesses

Table 107. Solar Turbines Basic Information, Manufacturing Base and Competitors

Table 108. Solar Turbines Major Business

Table 109. Solar Turbines Industrial Gas Clean Energy Solution Product and Services

Table 110. Solar Turbines Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 111. Solar Turbines Recent Developments/Updates

Table 112. Solar Turbines Competitive Strengths & Weaknesses

Table 113. Mitsubishi Power Basic Information, Manufacturing Base and Competitors

Table 114. Mitsubishi Power Major Business

Table 115. Mitsubishi Power Industrial Gas Clean Energy Solution Product and Services

Table 116. Mitsubishi Power Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 117. Mitsubishi Power Recent Developments/Updates

Table 118. Mitsubishi Power Competitive Strengths & Weaknesses

Table 119. Kawasaki Heavy Industries Basic Information, Manufacturing Base and Competitors

Table 120. Kawasaki Heavy Industries Major Business

Table 121. Kawasaki Heavy Industries Industrial Gas Clean Energy Solution Product and Services

Table 122. Kawasaki Heavy Industries Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 123. Kawasaki Heavy Industries Recent Developments/Updates

Table 124. Kawasaki Heavy Industries Competitive Strengths & Weaknesses

Table 125. Yanmar Energy System Basic Information, Manufacturing Base and Competitors

Table 126. Yanmar Energy System Major Business

Table 127. Yanmar Energy System Industrial Gas Clean Energy Solution Product and Services

Table 128. Yanmar Energy System Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 129. Yanmar Energy System Recent Developments/Updates

Table 130. Yanmar Energy System Competitive Strengths & Weaknesses

Table 131. ENN Energy Basic Information, Manufacturing Base and Competitors

Table 132. ENN Energy Major Business

Table 133. ENN Energy Industrial Gas Clean Energy Solution Product and Services

Table 134. ENN Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 135. ENN Energy Recent Developments/Updates

Table 136. ENN Energy Competitive Strengths & Weaknesses

Table 137. Towngas Smart Energy Basic Information, Manufacturing Base and Competitors

Table 138. Towngas Smart Energy Major Business

Table 139. Towngas Smart Energy Industrial Gas Clean Energy Solution Product and Services

Table 140. Towngas Smart Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 141. Towngas Smart Energy Recent Developments/Updates

Table 142. Towngas Smart Energy Competitive Strengths & Weaknesses

Table 143. China Gas Holdings Basic Information, Manufacturing Base and Competitors

Table 144. China Gas Holdings Major Business

Table 145. China Gas Holdings Industrial Gas Clean Energy Solution Product and Services

Table 146. China Gas Holdings Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 147. China Gas Holdings Recent Developments/Updates

Table 148. China Gas Holdings Competitive Strengths & Weaknesses

Table 149. CIMC Enric Basic Information, Manufacturing Base and Competitors

Table 150. CIMC Enric Major Business

Table 151. CIMC Enric Industrial Gas Clean Energy Solution Product and Services

Table 152. CIMC Enric Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 153. CIMC Enric Recent Developments/Updates

Table 154. CIMC Enric Competitive Strengths & Weaknesses

Table 155. Shuangliang Eco-Energy Basic Information, Manufacturing Base and Competitors

Table 156. Shuangliang Eco-Energy Major Business

Table 157. Shuangliang Eco-Energy Industrial Gas Clean Energy Solution Product and Services

Table 158. Shuangliang Eco-Energy Industrial Gas Clean Energy Solution Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 159. Shuangliang Eco-Energy Recent Developments/Updates

Table 160. Shuangliang Eco-Energy Competitive Strengths & Weaknesses

Table 161. Global Key Players of Industrial Gas Clean Energy Solution Upstream (Raw Materials)

Table 162. Global Industrial Gas Clean Energy Solution Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Industrial Gas Clean Energy Solution Picture
- Figure 2. World Industrial Gas Clean Energy Solution Total Revenue: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Industrial Gas Clean Energy Solution Total Revenue (2021-2032) & (USD Million)
- Figure 4. World Industrial Gas Clean Energy Solution Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)
- Figure 5. World Industrial Gas Clean Energy Solution Revenue Market Share by Region (2021-2032), (by Headquarter Location)
- Figure 6. United States Based Company Industrial Gas Clean Energy Solution Revenue (2021-2032) & (USD Million)
- Figure 7. China Based Company Industrial Gas Clean Energy Solution Revenue (2021-2032) & (USD Million)
- Figure 8. Europe Based Company Industrial Gas Clean Energy Solution Revenue (2021-2032) & (USD Million)
- Figure 9. Japan Based Company Industrial Gas Clean Energy Solution Revenue (2021-2032) & (USD Million)
- Figure 10. South Korea Based Company Industrial Gas Clean Energy Solution Revenue (2021-2032) & (USD Million)
- Figure 11. ASEAN Based Company Industrial Gas Clean Energy Solution Revenue (2021-2032) & (USD Million)
- Figure 12. India Based Company Industrial Gas Clean Energy Solution Revenue (2021-2032) & (USD Million)
- Figure 13. Industrial Gas Clean Energy Solution Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World Industrial Gas Clean Energy Solution Consumption Value (2021-2032) & (USD Million)
- Figure 16. World Industrial Gas Clean Energy Solution Consumption Value Market Share by Region (2021-2032)
- Figure 17. United States Industrial Gas Clean Energy Solution Consumption Value (2021-2032) & (USD Million)
- Figure 18. China Industrial Gas Clean Energy Solution Consumption Value (2021-2032) & (USD Million)
- Figure 19. Europe Industrial Gas Clean Energy Solution Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Industrial Gas Clean Energy Solution Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea Industrial Gas Clean Energy Solution Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Industrial Gas Clean Energy Solution Consumption Value (2021-2032) & (USD Million)

Figure 23. India Industrial Gas Clean Energy Solution Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Industrial Gas Clean Energy Solution by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Industrial Gas Clean Energy Solution Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Industrial Gas Clean Energy Solution Markets in 2025

Figure 27. United States VS China: Industrial Gas Clean Energy Solution Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Industrial Gas Clean Energy Solution Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World Industrial Gas Clean Energy Solution Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World Industrial Gas Clean Energy Solution Market Size Market Share by Type in 2025

Figure 31. Power Generation Solution

Figure 32. Distributed Energy Solution

Figure 33. Others

Figure 34. World Industrial Gas Clean Energy Solution Market Size Market Share by Type (2021-2032)

Figure 35. World Industrial Gas Clean Energy Solution Market Size by Energy Utilization Efficiency, (USD Million), 2021 & 2025 & 2032

Figure 36. World Industrial Gas Clean Energy Solution Market Size Market Share by Energy Utilization Efficiency in 2025

Figure 37. Standard Efficiency (90%-95%)

Figure 40. World Industrial Gas Clean Energy Solution Market Size Market Share by Energy Utilization Efficiency (2021-2032)

Figure 41. World Industrial Gas Clean Energy Solution Market Size by Carbon Emission Reduction Level, (USD Million), 2021 & 2025 & 2032

Figure 42. World Industrial Gas Clean Energy Solution Market Size Market Share by Carbon Emission Reduction Level in 2025

Figure 43. Low-Reduction Hand Pattern

Figure 44. Intermediate-Reduction Hand Pattern

Figure 45. High-Reduction Hand Pattern

Figure 46. World Industrial Gas Clean Energy Solution Market Size Market Share by Carbon Emission Reduction Level (2021-2032)

Figure 47. World Industrial Gas Clean Energy Solution Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 48. World Industrial Gas Clean Energy Solution Market Size Market Share by Application in 2025

Figure 49. Power and Energy Industry

Figure 50. Petrochemical Industry

Figure 51. Others

Figure 52. World Industrial Gas Clean Energy Solution Market Size Market Share by Application (2021-2032)

Figure 53. Industrial Gas Clean Energy Solution Industrial Chain

Figure 54. Methodology

Figure 55. Research Process and Data Source

I would like to order

Product name: Global Industrial Gas Clean Energy Solution Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GB7FC6641038EN.html>

Price: US\$ 4,480.00 (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/GB7FC6641038EN.html>