

Global Extraction of High Purity Helium from LNG-BOG Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Extraction of High Purity Helium from LNG-BOG market size was valued at US\$ 235 million in 2025 and is forecast to a readjusted size of US\$ 353 million by 2032 with a CAGR of 6.1% during review period.

Extraction of high-purity helium from LNG-BOG refers to the process of finely separating and purifying liquefied natural gas boil-off gas (BOG) to concentrate trace amounts of helium into high-purity helium. This technology utilizes the relatively high helium concentration in BOG to effectively separate helium and purify it to high purity (usually >99.999%) through methods such as low-temperature fractionation, membrane separation or pressure swing adsorption. It is widely used in high-end fields such as electronic manufacturing, medical equipment, and scientific research, while achieving efficient recovery and utilization of helium resources.

This report is a detailed and comprehensive analysis for global Extraction of High Purity Helium from LNG-BOG market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Extraction of High Purity Helium from LNG-BOG market size and forecasts, in

consumption value (\$ Million), sales quantity (Cubic Meter), and average selling prices (US\$/Cubic Meter), 2021-2032

Global Extraction of High Purity Helium from LNG-BOG market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Cubic Meter), and average selling prices (US\$/Cubic Meter), 2021-2032

Global Extraction of High Purity Helium from LNG-BOG market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Cubic Meter), and average selling prices (US\$/Cubic Meter), 2021-2032

Global Extraction of High Purity Helium from LNG-BOG market shares of main players, shipments in revenue (\$ Million), sales quantity (Cubic Meter), and ASP (US\$/Cubic Meter), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Extraction of High Purity Helium from LNG-BOG

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Extraction of High Purity Helium from LNG-BOG market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Helios, QatarEnergy, Freeport LNG, Shaanxi Liquefied Natural Gas Invest Dev, Shanghai Yueda New industrial Group, Zhongneng North Natural Gas, Sinopec, Jiangxi Jovo Energy, Shanxi Feng Bai Energy, Shuifa Energas Gas, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Extraction of High Purity Helium from LNG-BOG market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

5N Helium

6N Helium

Market segment by Application

Semiconductor

Medical

Military

Other

Major players covered

Helios

QatarEnergy

Freeport LNG

Shaanxi Liquefied Natural Gas Invest Dev

Shanghai Yueda New industrial Group

Zhongneng North Natural Gas

Sinopec

Jiangxi Jovo Energy

Shanxi Feng Bai Energy

Shuifa Energas Gas

Inner Mongolia Wanrui Natural Gas

Sichuan Air Separation Group

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Extraction of High Purity Helium from LNG-BOG product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Extraction of High Purity Helium from LNG-BOG, with price, sales quantity, revenue, and global market share of Extraction of High Purity Helium from LNG-BOG from 2021 to 2026.

Chapter 3, the Extraction of High Purity Helium from LNG-BOG competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Extraction of High Purity Helium from LNG-BOG breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Extraction of High Purity Helium from LNG-BOG market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Extraction of High Purity Helium from LNG-BOG.

Chapter 14 and 15, to describe Extraction of High Purity Helium from LNG-BOG sales channel, distributors, customers, research findings and conclusion.

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