

Liquefied Natural Gas Compressor Market Outlook 2025-2034: Market Share, and Growth Analysis By Design (Vertically-Split Barrel, Horizontally-Split Barrel, Axial Compressors), By Application (Low Pressure Application, Medium Pressure Application), By End User

<https://marketpublishers.com/r/LDEF3AFB3257EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: LDEF3AFB3257EN

Abstracts

The Liquefied Natural Gas Compressor Market is valued at USD 5.6 billion in 2025 and is projected to grow at a CAGR of 6.5% to reach USD 9.9 billion by 2034. The liquefied natural gas (LNG) compressor market focuses on equipment designed to pressurize natural gas for liquefaction, storage, and transportation in LNG infrastructure. These compressors play a vital role in reducing gas volume and facilitating the cooling process needed to convert gas into liquid form. LNG compressors are used in liquefaction terminals, transportation vessels, and regasification facilities. The market consists of centrifugal, screw, and reciprocating compressors, depending on capacity and application. As global demand for LNG grows due to its lower carbon footprint compared to coal and oil, the compressor segment has become a critical part of energy security and transition strategies worldwide. The LNG compressor market experienced a notable upswing due to new liquefaction projects in North America, the Middle East, and Southeast Asia. Equipment upgrades at aging terminals also boosted demand for high-efficiency, low-maintenance compressors. Players introduced modular, skid-mounted compressor units to simplify installation and reduce project lead times. Emphasis on energy efficiency and emissions reduction drove adoption of electric and hybrid-drive compressors. Furthermore, LNG bunker fueling stations and small-scale LNG hubs supported sales of mid-range compressors tailored for localized storage and distribution needs. Suppliers began partnering with EPC firms to offer integrated solutions to project developers. The market is expected to evolve toward smart, AI-

integrated compressors with predictive diagnostics and remote monitoring to reduce unplanned downtime and operational costs. Innovations in material science will improve compressor durability under extreme cryogenic conditions. Offshore and floating LNG (FLNG) projects will drive demand for compact, high-performance compressors. As carbon-neutral LNG initiatives expand, manufacturers will focus on integrating compressors into zero-emission facilities powered by renewable electricity. Emerging markets in Africa and Central Asia will begin investing in localized LNG infrastructure, generating new opportunities for compressor vendors focused on affordability and scalability.

Key Insights Liquefied Natural Gas Compressor Market

Compact, modular compressors are enabling quicker installation and operational flexibility in LNG terminals.

Electric and hybrid-drive compressors are reducing carbon emissions and aligning with decarbonization goals.

Advanced digital monitoring systems are supporting predictive maintenance and operational efficiency.

Compressor designs are being adapted for harsh offshore and FLNG environments requiring compact reliability.

Collaborations between OEMs and EPC firms are streamlining project design, delivery, and lifecycle support.

Growth in LNG export capacity and liquefaction terminals is increasing demand for high-capacity compressors.

Rising use of LNG in marine and off-grid applications is supporting demand for mid-scale compression solutions.

Energy efficiency and emission reduction mandates are driving innovation in compressor drive technologies.

Emerging markets seeking clean energy alternatives are investing in scalable LNG infrastructure with advanced compression.

High capital expenditure and complex installation requirements can deter adoption in smaller LNG ventures.

Technical issues in cryogenic environments require specialized materials and expertise, increasing production costs.

Liquefied Natural Gas Compressor Market Segmentation

By Design

Vertically-Split Barrel

Horizontally-Split Barrel

Axial Compressors

By Application

Low Pressure Application

Medium Pressure Application

By End User

Vehicles

Electrical

Industrial

Residential

Other End Users

Key Companies Analysed

EagleBurgmann

General Electric Company

Siemens AG

Mitsubishi Heavy Industries Ltd.

Elliott Group

Kobelco Compressors America Inc.

IMW Industries Ltd.

Sundyne

IHI Rotating Machinery Engineering Co Ltd.

NEUMAN & ESSER GROUP

Atlas Copco AB

Burckhardt Compression AG

MOLGAS ENERGY SAU

Howden Group

Sulzer Ltd.

Ariel Corporation

Bauer Compressor Inc.

Ingersoll Rand Inc.

HYDRAULIC MACHINES & SYSTEMS GROUP PLC.

Clean Energy Fuels Corp

Kobe Steel Ltd.

Ebara Corporation

Hitachi Ltd.

Gardner Denver Holdings Inc.

Sullair LLC

Quincy Compressor LLC

Kaeser Kompressoren SE

Corken Inc.

Baker Hughes Company

MAN Energy Solutions SE

Mitsui Seiki Kogyo Co Ltd.

Rolls-Royce Holdings plc

Worthington Industries Inc.

Liquefied Natural Gas Compressor Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are

incorporated to assess their impact on future market performance.

Liquefied Natural Gas Compressor Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Liquefied Natural Gas Compressor market data and outlook to 2034

United States

Canada

Mexico

Europe — Liquefied Natural Gas Compressor market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Liquefied Natural Gas Compressor market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Liquefied Natural Gas Compressor market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Liquefied Natural Gas Compressor market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Liquefied Natural Gas Compressor value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Liquefied Natural Gas Compressor industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps,

sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Liquefied Natural Gas Compressor Market Report

Global Liquefied Natural Gas Compressor market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Liquefied Natural Gas Compressor trade, costs, and supply chains

Liquefied Natural Gas Compressor market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Liquefied Natural Gas Compressor market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Liquefied Natural Gas Compressor market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Liquefied Natural Gas Compressor supply chain analysis

Liquefied Natural Gas Compressor trade analysis, Liquefied Natural Gas Compressor market price analysis, and Liquefied Natural Gas Compressor supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Liquefied Natural Gas Compressor market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market

tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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