

# Global Turboexpander Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Turboexpander market size was valued at USD 549.4 million in 2023 and is forecast to a readjusted size of USD 669.7 million by 2030 with a CAGR of 2.9% during review period.

Turboexpander is a machine, which continuously converts kinetic energy into mechanical energy. This is done by expanding the high pressure gas from upstream to a lower pressure downstream through the Expander. The high pressure gas causes the radial expander to rotate. Rotation is transmitted to the shaft, which is supported by a set of bearings. The power transmitted to the shaft can be used to drive a compressor, drive an electrical generator or can be dissipated through an oil brake or air brake.

Asia Pacific is estimated to be the largest turboexpander market between 2018 and 2023. As per the BP Statistical Review of World Energy 2017, natural gas production increased from 490.6 billion cubic meters in 2010 to 579.9 billion cubic meters in 2016 in Asia Pacific, indicating a positive growth curve of the turboexpander market in this region. Factors, such as increasing investments in natural gas production plants are driving the Asia Pacific market for turboexpanders during the forecasted period.

The Global Info Research report includes an overview of the development of the Turboexpander industry chain, the market status of Liquefaction of Gases (Radial Turboexpander, Axial Turboexpander), Power Generation (Radial Turboexpander, Axial Turboexpander), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Turboexpander.

Regionally, the report analyzes the Turboexpander markets in key regions. North

America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Turboexpander market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Turboexpander market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Turboexpander industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Radial Turboexpander, Axial Turboexpander).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Turboexpander market.

**Regional Analysis:** The report involves examining the Turboexpander market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Turboexpander market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Turboexpander:

**Company Analysis:** Report covers individual Turboexpander manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and

attitudes towards Turboexpander This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Liquefaction of Gases, Power Generation).

**Technology Analysis:** Report covers specific technologies relevant to Turboexpander. It assesses the current state, advancements, and potential future developments in Turboexpander areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Turboexpander market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

### Market Segmentation

Turboexpander market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Radial Turboexpander

Axial Turboexpander

Radial-Axial Turboexpander

### Market segment by Application

Liquefaction of Gases

Power Generation

### Major players covered

Cryostar

Atlas Copco

GE oil & gas

Air Products

ACD

L.A. Turbine

Turbogaz

Samsung

RMG

Hangyang Group

SASPG

HNEC

Suzhou Xida

Beifang Asp

Jianyang Ruite

Huayu

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 Turboexpander product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Turboexpander, with price, sales, revenue and global market share of Turboexpander from 2019 to 2024.

Chapter 3, the Turboexpander competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Turboexpander breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Turboexpander market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Turboexpander.

Chapter 14 and 15, to describe Turboexpander sales channel, distributors, customers, research findings and conclusion.

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