

Aeroderivative Gas Turbine Market by Capacity (Upto 1 MW, 1-30 MW, 30-70 MW, Above 70 MW), Technology (Open Cycle, Combined Cycle), Application (Power Plants, Oil and Gas, Process Plants, Aviation, Marine, and Others), and Region 2024-2032

<https://marketpublishers.com/r/A24F3A458861EN.html>

Date: April 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: A24F3A458861EN

Abstracts

The global aeroderivative gas turbine market size reached US\$ 3.4 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 5.4 Billion by 2032, exhibiting a growth rate (CAGR) of 4.9% during 2024-2032. The widespread adoption of aeroderivative gas turbines across oil and gas industry, increasing environmental consciousness and the extensive product usage in the aviation industry represent some of the key factors driving the market.

Aeroderivative gas turbines represent a lightweight version of conventional gas turbines which are specially designed for various air use, including airplanes. They are intended to combine and ignite fuel and air effectively to break gasoline fuel into smaller particles and burn the combustion process for atomizing and vaporizing the fuel in varying proportions. Aeroderivative gas turbines are reliable, flexible, efficient, and cost-effective, and they provide cheaper power, better quality grid, and cleaner energy with lower emissions in comparison to reciprocating engines. Apart from this, they are dependable and offer high performance, simple maintenance, easy integration, and fast installation. Consequently, aeroderivative gas turbines are widely used in combined heat and power-generation operations.

Aeroderivative Gas Turbine Market Trends:

The widespread adoption of aeroderivative gas turbines across oil and gas industry represents one of the key factors driving the market growth. This can be attributed to the widespread utilization of decentralized renewable energy generation solutions,

which is contributing to the market growth. In line with this, the increasing environmental concerns and the rising consciousness regarding the detrimental effects of using non-renewable energy sources, such as coal, petroleum, and fossils, are acting as another growth-inducing factor. Additionally, the implementation of numerous sustainable frameworks by governments has prompted manufacturers to constantly upgrade traditional power plants and employ aeroderivative gas turbines, which are supporting the market growth. Such mechanical solutions are highly-efficient as they reduce the emission of harmful gases, including nitrogen dioxide (NO₂); therefore, they are utilized in applications wherein lightweight devices are required. Furthermore, the extensive deployment of aeroderivative gas turbines in the aeronautical industry to reduce vehicle weight is propelling the market growth. Additionally, the escalating passenger traffic and the rising need for clean energy alternatives have facilitated the demand for aeroderivative gas turbines in the aviation sector, which in turn, is further contributing to the market growth. Apart from this, the ongoing product diversification by key players and the continuous research and development (R&D) activities to enhance product efficacy are creating a positive outlook for the market. Other factors, such as the increasing product utilization across the defense sector, stringent energy efficiency measures in line with the rapid industrialization, and an enhanced focus on sustainable development, are driving the market toward growth further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global aeroderivative gas turbine market, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on capacity, technology, and application.

Capacity Insights:

Upto 1 MW

1-30 MW

30-70 MW

Above 70 MW

The report has also provided a detailed breakup and analysis of the aeroderivative gas turbine market based on capacity. This includes upto 1 MW, 1-30 MW, 30-70 MW, and above 70 MW. According to the report, above 70 MW represented the largest segment.

Technology Insights:

Open Cycle
Combined Cycle

A detailed breakup and analysis of the aeroderivative gas turbine market based on the technology has also been provided in the report. This includes open and combined cycles. According to the report, combined cycle accounted for the largest market share.

Application Insights:

Power Plants
Oil and Gas
Process Plants
Aviation
Marine
Others

The report has also provided a detailed breakup and analysis of the aeroderivative gas turbine market based on the application. This includes power plants, oil and gas, process plants, aviation, marine, and others. According to the report, aviation represented the largest segment.

Regional Insights:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy

Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets that include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for aeroderivative gas turbines. Some of the factors driving the North America aeroderivative gas turbine market included the widespread product adoption across oil and gas and marine sectors, enhanced focus on sustainable development, and extensive research and development (R&D) activities.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global aeroderivative gas turbine market. Detailed profiles of all major companies have also been provided. Some of the companies covered include Baker Hughes Company, General Electric Company, Mitsubishi Heavy Industries Ltd., MTU Aero Engines AG, Siemens AG, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global aeroderivative gas turbine market performed so far and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global aeroderivative gas turbine market?

What are the key regional markets?

Which countries represent the most attractive aeroderivative gas turbine markets?

What is the breakup of the market based on capacity?

What is the breakup of the market based on technology?

What is the breakup of the market based on the application?

What is the competitive structure of the global aeroderivative gas turbine market?

Who are the key players/companies in the global aeroderivative gas turbine market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL AERODERIVATIVE GAS TURBINE MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY CAPACITY

- 6.1 Upto 1 MW
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 1-30 MW
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 30-70 MW

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Above 70 MW
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY TECHNOLOGY

- 7.1 Open Cycle
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Combined Cycle
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Power Plants
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Oil and Gas
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Process Plants
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Aviation
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Marine
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 8.6 Others
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America

- 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
- 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy

- 9.3.4.1 Market Trends
- 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

- 10.1 Overview
- 10.2 Drivers
- 10.3 Restraints
- 10.4 Opportunities

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers

- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Baker Hughes Company
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 General Electric Company
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 Mitsubishi Heavy Industries Ltd.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 MTU Aero Engines AG
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
 - 14.3.5 Siemens AG
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.5.4 SWOT Analysis

Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report.

List Of Tables

LIST OF TABLES

Table 1: Global: Aeroderivative Gas Turbine Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Aeroderivative Gas Turbine Market Forecast: Breakup by Capacity (in Million US\$), 2024-2032

Table 3: Global: Aeroderivative Gas Turbine Market Forecast: Breakup by Technology (in Million US\$), 2024-2032

Table 4: Global: Aeroderivative Gas Turbine Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: Aeroderivative Gas Turbine Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Aeroderivative Gas Turbine Market: Competitive Structure

Table 7: Global: Aeroderivative Gas Turbine Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Aeroderivative Gas Turbine Market: Major Drivers and Challenges

Figure 2: Global: Aeroderivative Gas Turbine Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Aeroderivative Gas Turbine Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Aeroderivative Gas Turbine Market: Breakup by Capacity (in %), 2023

Figure 5: Global: Aeroderivative Gas Turbine Market: Breakup by Technology (in %), 2023

Figure 6: Global: Aeroderivative Gas Turbine Market: Breakup by Application (in %), 2023

Figure 7: Global: Aeroderivative Gas Turbine Market: Breakup by Region (in %), 2023

Figure 8: Global: Aeroderivative Gas Turbine (Upto 1 MW) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Aeroderivative Gas Turbine (Upto 1 MW) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Aeroderivative Gas Turbine (1-30 MW) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Aeroderivative Gas Turbine (1-30 MW) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Aeroderivative Gas Turbine (30-70 MW) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Aeroderivative Gas Turbine (30-70 MW) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Aeroderivative Gas Turbine (Above 70 MW) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Aeroderivative Gas Turbine (Above 70 MW) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Aeroderivative Gas Turbine (Open Cycle) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Aeroderivative Gas Turbine (Open Cycle) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Aeroderivative Gas Turbine (Combined Cycle) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Aeroderivative Gas Turbine (Combined Cycle) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Aero-derivative Gas Turbine (Power Plants) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Aero-derivative Gas Turbine (Power Plants) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: Aero-derivative Gas Turbine (Oil and Gas) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Aero-derivative Gas Turbine (Oil and Gas) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Aero-derivative Gas Turbine (Process Plants) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Aero-derivative Gas Turbine (Process Plants) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Aero-derivative Gas Turbine (Aviation) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Aero-derivative Gas Turbine (Aviation) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Global: Aero-derivative Gas Turbine (Marine) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Global: Aero-derivative Gas Turbine (Marine) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Global: Aero-derivative Gas Turbine (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Global: Aero-derivative Gas Turbine (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: North America: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: North America: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: United States: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: United States: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Canada: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Canada: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Asia-Pacific: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Asia-Pacific: Aero-derivative Gas Turbine Market Forecast: Sales Value (in

Million US\$), 2024-2032

Figure 40: China: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: China: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: Japan: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: Japan: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: India: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: India: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: South Korea: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: South Korea: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: Australia: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Australia: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Indonesia: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Indonesia: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: Others: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: Others: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: Europe: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: Europe: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: Germany: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: Germany: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: France: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: France: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: United Kingdom: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: United Kingdom: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Italy: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Italy: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Spain: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Spain: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Russia: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Russia: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Others: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Others: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Latin America: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Latin America: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Brazil: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Brazil: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Mexico: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Mexico: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Others: Aero-derivative Gas Turbine Market: Sales Value (in Million US\$), 2018 & 2023

Figure 77: Others: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 78: Middle East and Africa: Aero-derivative Gas Turbine Market: Sales Value (in

Million US\$), 2018 & 2023

Figure 79: Middle East and Africa: Aero-derivative Gas Turbine Market: Breakup by Country (in %), 2023

Figure 80: Middle East and Africa: Aero-derivative Gas Turbine Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 81: Global: Aero-derivative Gas Turbine Industry: Drivers, Restraints, and Opportunities

Figure 82: Global: Aero-derivative Gas Turbine Industry: Value Chain Analysis

Figure 83: Global: Aero-derivative Gas Turbine Industry: Porter's Five Forces Analysis

I would like to order

Product name: Aeroderivative Gas Turbine Market by Capacity (Upto 1 MW, 1-30 MW, 30-70 MW, Above 70 MW), Technology (Open Cycle, Combined Cycle), Application (Power Plants, Oil and Gas, Process Plants, Aviation, Marine, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/A24F3A458861EN.html>

Price: US\$ 3,899.00 (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/A24F3A458861EN.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