

# **Microturbine Market Size, Share, and Analysis, By Power Rating (12 kW - 50kW, 50 kW - 250 kW, and 250 kW - 500 kW), By Application (Combined Heat & Power and Standby Power), By End-User (Residential, Commercial, and Industrial), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034**

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## **Abstracts**

Microturbine Market Size, Share, and Analysis, By Power Rating (12 kW - 50kW, 50 kW - 250 kW, and 250 kW - 500 kW), By Application (Combined Heat & Power and Standby Power), By End-User (Residential, Commercial, and Industrial), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

## **PRODUCT OVERVIEW**

Microturbine Market is anticipated to exhibit a Compound Annual Growth Rate (CAGR) of 9.2% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 220.3 billion and is projected to reach USD 578.6 billion by the completion of 2034.

Microturbines are miniature combustion turbines similar to larger gas turbines but designed for distributed power generation. They operate on various fuels including natural gas, diesel, or renewable sources like biogas. These turbines are commonly used in combined heat and power (CHP) systems and generate electricity, along with useable heat, which helps in increasing energy efficiency. Microturbines are versatile and find application across residential, commercial, and industrial sectors, which is

renowned for their low emissions and minimal maintenance needs. Therefore, technological innovations assist in improving the efficiency and cost-effectiveness of microturbines, which promote localized energy generation and strengthen energy security by providing dependable power in different scenarios.

## MARKET HIGHLIGHTS

Microturbine market is projected to reach USD 578.6 billion over the forecast period, owing to the growing demand for decentralized energy solutions. Various factors such as increasing energy requirements, along with emphasis on energy efficiency and the shift towards renewable energy sources are major drivers for the growth of microturbine market. Moreover, industries such as oil & gas, manufacturing, and healthcare, are increasingly adopting microturbines for combined heat and power applications to reduce operational costs and environmental impact. In addition, government initiatives that support clean energy and cogeneration technologies also contribute to the high adoption of microturbines across different industries. Consequently, technological innovations such as better reliability of microturbines and efficiency, increase their appeal to various end-user industries, which helps in maintaining an upward growth trajectory for the microturbines market.

### Microturbine Market Segments:

#### By Power Rating

12 kW - 50kW

50 kW - 250 kW

250 kW - 500 kW

#### By Application

Combined Heat & Power

Standby Power

#### By End-User

Residential

Commercial

Industrial

## MARKET DYNAMICS

### Growth Drivers

Growing Emphasis on Energy Efficiency will Create Growth Opportunities

Expansion of Renewable Energy Sources will Cause Market Expansion

### Restraint

Initial Investment Costs may Prevent the Industry's Growth

### Key Players

Capstone Turbine Corporation

Ansaldo Energia

Bladon Jets

FlexEnergy

IHI Corporation

Calnetix Technologies

Aurelia Turbines

Bowman Power Group Ltd.

Toyota Turbine and Systems Inc.

247Solar Inc.

Micr%li%Turbine Technology BV

Ansald%li%Energia

Elliott Group

Atlas Copco

Opcon AB

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAG.R – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons t%li%Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

## Contents

### **1. EXECUTIVE SUMMARY**

- 1.1. Regional Market Share
- 1.2. Business Trends
- 1.3. Microturbine Market: COVID-19 Outbreak
- 1.4. Regional Trends
- 1.5. Segmentation Snapshot

### **2. RESEARCH METHODOLOGY**

- 2.1. Research Objective
- 2.2. Research Approach
- 2.3. Data Sourcing and Methodology
- 2.4. Primary Research
- 2.5. Secondary Research
  - 2.5.1. Paid Sources
  - 2.5.2. Public Sources
- 2.6. Market Size Estimation and Data Triangulation

### **3. MARKET CHARACTERISTICS**

- 3.1. Market Definition
- 3.2. Microturbine Market: COVID-19 Impact
- 3.3. Key Segmentations
- 3.4. Key Developments
- 3.5. Allied Industry Data

### **4. MICROTURBINE MARKET – INDUSTRY INSIGHTS**

- 4.1. Industry Segmentation
- 4.2. COVID-19 overview on world economy
- 4.3. Industry ecosystem Channel analysis
- 4.4. Innovation & Sustainability

### **5. MACROECONOMIC INDICATORS**

### **6. RECENT DEVELOPMENTS**

## **7.MARKET DYNAMICS**

- 7.1. Introduction
- 7.2.Growth Drivers
- 7.3.Market Opportunities
- 7.4. Market Restraints
- 7.5.Market Trends

## **8. RISK ANALYSIS**

## **9. MARKET ANALYSIS**

- 9.1. Porters Five Forces
- 9.2.PEST Analysis
  - 9.2.1. Political
  - 9.2.2.Economic
  - 9.2.3.Social
  - 9.2.4.Technological

## **10. MICROTURBINE MARKET**

- 10.1.Overview
- 10.2. Historical Analysis (2019-2022)
  - 10.2.1. Market Size, Y-o-Y Growth (%) and Market Forecast

## **11.MICROTURBINE MARKET SIZE & FORECAST 2024A-2034F**

- 11.1.Overview
- 11.2. Key Findings
- 11.3. Market Segmentation
  - 11.3.1.By Power Rating
    - 11.3.1.1. 12kW-50kW
      - 11.3.1.1.1. By Value (USD Million) 2024-2034F
      - 11.3.1.1.2.Market Share (%) 2024-2034F
      - 11.3.1.1.3.Y-o-Y Growth (%) 2024-2034F
    - 11.3.1.2.50kW-250kW
      - 11.3.1.2.1.By Value (USD Million) 2024-2034F
      - 11.3.1.2.2. Market Share (%) 2024-2034F

- 11.3.1.2.3. Y-o-Y Growth (%) 2024-2034F
- 11.3.1.3.250kW-500kW
  - 11.3.1.3.1.By Value (USD Million) 2024-2034F
  - 11.3.1.3.2. Market Share (%) 2024-2034F
  - 11.3.1.3.3. Y-o-Y Growth (%) 2024-2034F
- 11.3.2. By Application
  - 11.3.2.1.Combined Heat & Power
    - 11.3.2.1.1.By Value (USD Million) 2024-2034F
    - 11.3.2.1.2. Market Share (%) 2024-2034F
    - 11.3.2.1.3. Y-o-Y Growth (%) 2024-2034F
  - 11.3.2.2. Standby Power
    - 11.3.2.2.1. By Value (USD Million) 2024-2034F
    - 11.3.2.2.2.Market Share (%) 2024-2034F
    - 11.3.2.2.3.Y-o-Y Growth (%) 2024-2034F
- 11.3.3. By End-User
  - 11.3.3.1.Residential
    - 11.3.3.1.1.By Value (USD Million) 2024-2034F
    - 11.3.3.1.2. Market Share (%) 2024-2034F
    - 11.3.3.1.3. Y-o-Y Growth (%) 2024-2034F
  - 11.3.3.2. Commercial
    - 11.3.3.2.1. By Value (USD Million) 2024-2034F
    - 11.3.3.2.2.Market Share (%) 2024-2034F
    - 11.3.3.2.3.Y-o-Y Growth (%) 2024-2034F
  - 11.3.3.3. Industrial
    - 11.3.3.3.1. By Value (USD Million) 2024-2034F
    - 11.3.3.3.2.Market Share (%) 2024-2034F
    - 11.3.3.3.3.Y-o-Y Growth (%) 2024-2034F

## **12. NORTH AMERICA MICROTURBINE MARKET SIZE & FORECAST 2024A-2034F**

- 12.1. Overview
- 12.2. Key Findings
- 12.3. Market Segmentation
  - 12.3.1. By Power Rating
  - 12.3.2.By Application
  - 12.3.3.By End-User
- 12.4. Country
  - 12.4.1. United States
  - 12.4.2.Canada



## **13. EUROPE MICROTURBINE MARKET SIZE & FORECAST 2024A-2034F**

### 13.1. Overview

### 13.2. Key Findings

### 13.3. Market Segmentation

#### 13.3.1. By Power Rating

#### 13.3.2. By Application

#### 13.3.3. By End-User

### 13.4. Country

#### 13.4.1. Germany

#### 13.4.2. United Kingdom

#### 13.4.3. France

#### 13.4.4. Italy

#### 13.4.5. Spain

#### 13.4.6. Russia

#### 13.4.7. Rest of Europe (BENELUX, NORDIC, Hungary, Turkey & Poland)

## **14. ASIA-PACIFIC MICROTURBINE MARKET SIZE & FORECAST 2024A-2034F**

### 14.1. Overview

### 14.2. Key Findings

### 14.3. Market Segmentation

#### 14.3.1. By Power Rating

#### 14.3.2. By Application

#### 14.3.3. By End-User

### 14.4. Country

#### 14.4.1. India

#### 14.4.2. China

#### 14.4.3. South Korea

#### 14.4.4. Japan

#### 14.4.5. Rest of APAC

## **15. MIDDLE EAST AND AFRICA MICROTURBINE MARKET SIZE & FORECAST 2024A-2034F**

### 15.1. Overview

### 15.2. Key Findings

### 15.3. Market Segmentation

- 15.3.1. By Power Rating
- 15.3.2. By Application
- 15.3.3. By End-User
- 15.4. Country
  - 15.4.1. Israel
  - 15.4.2. GCC
  - 15.4.3. North Africa
  - 15.4.4. South Africa
  - 15.4.5. Rest of Middle East and Africa

## **16. LATIN AMERICA MICROTURBINE MARKET SIZE & FORECAST 2024A-2034F**

- 16.1. Overview
- 16.2. Key Findings
- 16.3. Market Segmentation
  - 16.3.1. By Power Rating
  - 16.3.2. By Application
  - 16.3.3. By End-User
- 16.4. Country
  - 16.4.1. Mexico
  - 16.4.2. Brazil
  - 16.4.3. Rest of Latin America

## **17. COMPETITIVE LANDSCAPE**

- 17.1. Company market share, 2023
- 17.2. Key player overview
- 17.3. Key stakeholders

## **18. COMPANY PROFILES**

- 18.1. Capstone Turbine Corporation
  - 18.1.1. Company Overview
  - 18.1.2. Financial Overview
  - 18.1.3. Key Product; Analysis
  - 18.1.4. Company Assessment
    - 18.1.4.1. Product Portfolio
    - 18.1.4.2. Key Clients
    - 18.1.4.3. Market Share

18.1.4.4. Recent News & Development (Last 3 Yrs.)

18.1.4.5. Executive Team

18.2. Ansaldo Energia

18.3. Bowman Power Group Ltd.

18.4. Bladon Jets

18.5. FlexEnergy

18.6. IHI Corporation

18.7. Calnetix Technologies

18.8. Aurelia Turbines

18.9. Toyota Turbine and Systems Inc.

18.10. 247Solar Inc.

18.11. Micro Turbine Technology BV

18.12. Ansaldo Energia

18.13. Elliott Group

18.14. Atlas Copco

18.15. Opcon AB

18.16. Other Prominent Players

## **19. APPENDIX**

## **20. CONSULTANT RECOMMENDATION**

## I would like to order

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