

# Global Vertical-axis Wind Turbines (VAWTs) Market Growth 2025-2031

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## Abstracts

The global Vertical-axis Wind Turbines (VAWTs) market size is predicted to grow from US\$ 16650 million in 2025 to US\$ 21630 million in 2031; it is expected to grow at a CAGR of 4.5% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Vertical-axis wind turbines (VAWTs) are a type of wind turbine where the main rotor shaft is set vertically and the main components are located at the base of the turbine. This arrangement allows the generator and gearbox to be located close to the ground, facilitating service and repair. VAWTs do not need to be pointed into the wind, which removes the need for wind-sensing and orientation mechanisms. Vertical axis wind turbines offer several potential advantages over the standard horizontal axis wind turbines which are now in common use worldwide.

According to the Global Wind Report 2023 released by the Global Wind Energy Council, by 2024, the newly installed capacity of global onshore wind power will exceed 100GW for the first time; by 2025, the newly installed capacity of global offshore wind power will also reach 25GW. In the next five years, the newly added grid-connected capacity of wind power will reach 680GW. The report also shows that the United States and Europe may experience a supply bottleneck of wind turbines and components in 2025. It recommends that national policymakers take immediate action to increase investment in supply chains to meet their rapid growth in demand and avoid supply chain bottlenecks hindering the development of wind power. In addition, according to Wood Mackenzie statistics, China is the largest and fastest-growing market for wind power generation in

the world, accounting for more than half of the market share. Data from the National Energy Administration of China also shows that China's installed wind power capacity ranks first in the world, with a capacity of nearly 400 million kilowatts.

LP Information, Inc. (LPI) ' newest research report, the "Vertical-axis Wind Turbines (VAWTs) Industry Forecast" looks at past sales and reviews total world Vertical-axis Wind Turbines (VAWTs) sales in 2024, providing a comprehensive analysis by region and market sector of projected Vertical-axis Wind Turbines (VAWTs) sales for 2025 through 2031. With Vertical-axis Wind Turbines (VAWTs) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Vertical-axis Wind Turbines (VAWTs) industry.

This Insight Report provides a comprehensive analysis of the global Vertical-axis Wind Turbines (VAWTs) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Vertical-axis Wind Turbines (VAWTs) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Vertical-axis Wind Turbines (VAWTs) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Vertical-axis Wind Turbines (VAWTs) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Vertical-axis Wind Turbines (VAWTs).

This report presents a comprehensive overview, market shares, and growth opportunities of Vertical-axis Wind Turbines (VAWTs) market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

Darrieus

Savonius

### **Segmentation by Application:**

Residential

Commercial and industrial

Fishery and recreational boats

Hybrid systems

Others

### **This report also splits the market by region:**

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

UGE

Helix Wind

WindHarvest

Astralux

Kliux Energies

Sycamore Energy

Ropatec

Arborwind

Quietrevolution

Turbina

Luethi Enterprises

Aeolos

Oy Windside Production

Eastern Wind Power

Windspire Energy

SAW

MUCE

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Vertical-axis Wind Turbines (VAWTs) market?

What factors are driving Vertical-axis Wind Turbines (VAWTs) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Vertical-axis Wind Turbines (VAWTs) market opportunities vary by end market size?

How does Vertical-axis Wind Turbines (VAWTs) break out by Type, by Application?

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