

Global Vertical Axis Wind Turbine 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 Vertical Axis Wind Turbine market size was valued at USD 15470 million in 2023 and is forecast to a readjusted size of USD 20510 million by 2030 with a CAGR of 4.1% during review period.

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.

Global Vertical Axis Wind Turbine key players include Helix Wind, SAW, Wind Harvest, Astralux, Kliux Energies, etc. Global top five manufacturers hold a share over 25%.

Europe is the largest market, with a share about 40%, followed by Americas and Asia, both have a share over 55%.

In terms of product, Darrieus is the largest segment, with a share over 80%. And in terms of application, the largest application is Rural, followed by Urban, Sea, etc.

The Global Info Research report includes an overview of the development of the Vertical Axis Wind Turbine industry chain, the market status of Urban (Darrieus, Savonius), Rural (Darrieus, Savonius), and key enterprises in developed and

developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Vertical Axis Wind Turbine.

Regionally, the report analyzes the Vertical Axis Wind Turbine 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 Vertical Axis Wind Turbine market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Vertical Axis Wind Turbine 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 Vertical Axis Wind Turbine 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 (MW), revenue generated, and market share of different by Type (e.g., Darrieus, Savonius).

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 Vertical Axis Wind Turbine market.

Regional Analysis: The report involves examining the Vertical Axis Wind Turbine 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 Vertical Axis Wind Turbine market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Vertical Axis Wind Turbine:

Company Analysis: Report covers individual Vertical Axis Wind Turbine 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 Vertical Axis Wind Turbine. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Urban, Rural).

Technology Analysis: Report covers specific technologies relevant to Vertical Axis Wind Turbine. It assesses the current state, advancements, and potential future developments in Vertical Axis Wind Turbine areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Vertical Axis Wind Turbine 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

Vertical Axis Wind Turbine 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

Darrieus

Savonius

Market segment by Application

Urban

Rural

Sea

Others

Major players covered

Helix Wind

Wind Harvest

Astralux

Kliux Energies

Sycamore Energy

Ropatec

Arborwind

Quietrevolution

Turbine

Luethi Enterprises

Aeolos

Oy Windside Production

Eastern Wind Power

Windspire Energy

SAW

Ningbo Fengshen

MUCE

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 Vertical Axis Wind Turbine product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Vertical Axis Wind Turbine 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 Vertical Axis Wind Turbine 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 Vertical Axis Wind Turbine.

Chapter 14 and 15, to describe Vertical Axis Wind Turbine sales channel, distributors, customers, research findings and conclusion.

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