

Global Vertical Axis Wind Turbine Market Growth 2025-2031

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Abstracts

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The global Vertical Axis Wind Turbine market size is predicted to grow from US\$ 15980 million in 2025 to US\$ 20770 million in 2031; it is expected to grow at a CAGR of 4.5% from 2025 to 2031.

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.

LP Information, Inc. (LPI) ' newest research report, the "Vertical Axis Wind Turbine Industry Forecast" looks at past sales and reviews total world Vertical Axis Wind Turbine sales in 2024, providing a comprehensive analysis by region and market sector

of projected Vertical Axis Wind Turbine sales for 2025 through 2031. With Vertical Axis Wind Turbine 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 Turbine industry.

This Insight Report provides a comprehensive analysis of the global Vertical Axis Wind Turbine 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 Turbine 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 Turbine market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Vertical Axis Wind Turbine 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 Turbine.

This report presents a comprehensive overview, market shares, and growth opportunities of Vertical Axis Wind Turbine market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Darrieus

Savonius

Segmentation by Application:

Urban

Rural

Sea

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.

Helix Wind

Wind Harvest

Astralux

Kliux Energies

Sycamore Energy

Ropatec

Arborwind

Quietreolution

Turbine

Luethi Enterprises

Aeolos

Oy Windside Production

Eastern Wind Power

Windspire Energy

SAW

Ningbo Fengshen

MUCE

Key Questions Addressed in this Report

What is the 10-year outlook for the global Vertical Axis Wind Turbine market?

What factors are driving Vertical Axis Wind Turbine market growth, globally and by region?

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

How do Vertical Axis Wind Turbine market opportunities vary by end market size?

How does Vertical Axis Wind Turbine break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Vertical Axis Wind Turbine Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Vertical Axis Wind Turbine by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Vertical Axis Wind Turbine by Country/Region, 2020, 2024 & 2031
- 2.2 Vertical Axis Wind Turbine Segment by Type
 - 2.2.1 Darrieus
 - 2.2.2 Savonius
- 2.3 Vertical Axis Wind Turbine Sales by Type
 - 2.3.1 Global Vertical Axis Wind Turbine Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Vertical Axis Wind Turbine Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Vertical Axis Wind Turbine Sale Price by Type (2020-2025)
- 2.4 Vertical Axis Wind Turbine Segment by Application
 - 2.4.1 Urban
 - 2.4.2 Rural
 - 2.4.3 Sea
 - 2.4.4 Others
- 2.5 Vertical Axis Wind Turbine Sales by Application
 - 2.5.1 Global Vertical Axis Wind Turbine Sale Market Share by Application (2020-2025)
 - 2.5.2 Global Vertical Axis Wind Turbine Revenue and Market Share by Application (2020-2025)
 - 2.5.3 Global Vertical Axis Wind Turbine Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Vertical Axis Wind Turbine Breakdown Data by Company

3.1.1 Global Vertical Axis Wind Turbine Annual Sales by Company (2020-2025)

3.1.2 Global Vertical Axis Wind Turbine Sales Market Share by Company (2020-2025)

3.2 Global Vertical Axis Wind Turbine Annual Revenue by Company (2020-2025)

3.2.1 Global Vertical Axis Wind Turbine Revenue by Company (2020-2025)

3.2.2 Global Vertical Axis Wind Turbine Revenue Market Share by Company (2020-2025)

3.3 Global Vertical Axis Wind Turbine Sale Price by Company

3.4 Key Manufacturers Vertical Axis Wind Turbine Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Vertical Axis Wind Turbine Product Location Distribution

3.4.2 Players Vertical Axis Wind Turbine Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR VERTICAL AXIS WIND TURBINE BY GEOGRAPHIC REGION

4.1 World Historic Vertical Axis Wind Turbine Market Size by Geographic Region (2020-2025)

4.1.1 Global Vertical Axis Wind Turbine Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Vertical Axis Wind Turbine Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Vertical Axis Wind Turbine Market Size by Country/Region (2020-2025)

4.2.1 Global Vertical Axis Wind Turbine Annual Sales by Country/Region (2020-2025)

4.2.2 Global Vertical Axis Wind Turbine Annual Revenue by Country/Region (2020-2025)

4.3 Americas Vertical Axis Wind Turbine Sales Growth

4.4 APAC Vertical Axis Wind Turbine Sales Growth

4.5 Europe Vertical Axis Wind Turbine Sales Growth

4.6 Middle East & Africa Vertical Axis Wind Turbine Sales Growth

5 AMERICAS

5.1 Americas Vertical Axis Wind Turbine Sales by Country

5.1.1 Americas Vertical Axis Wind Turbine Sales by Country (2020-2025)

5.1.2 Americas Vertical Axis Wind Turbine Revenue by Country (2020-2025)

5.2 Americas Vertical Axis Wind Turbine Sales by Type (2020-2025)

5.3 Americas Vertical Axis Wind Turbine Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Vertical Axis Wind Turbine Sales by Region

6.1.1 APAC Vertical Axis Wind Turbine Sales by Region (2020-2025)

6.1.2 APAC Vertical Axis Wind Turbine Revenue by Region (2020-2025)

6.2 APAC Vertical Axis Wind Turbine Sales by Type (2020-2025)

6.3 APAC Vertical Axis Wind Turbine Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Vertical Axis Wind Turbine by Country

7.1.1 Europe Vertical Axis Wind Turbine Sales by Country (2020-2025)

7.1.2 Europe Vertical Axis Wind Turbine Revenue by Country (2020-2025)

7.2 Europe Vertical Axis Wind Turbine Sales by Type (2020-2025)

7.3 Europe Vertical Axis Wind Turbine Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Vertical Axis Wind Turbine by Country

8.1.1 Middle East & Africa Vertical Axis Wind Turbine Sales by Country (2020-2025)

8.1.2 Middle East & Africa Vertical Axis Wind Turbine Revenue by Country (2020-2025)

8.2 Middle East & Africa Vertical Axis Wind Turbine Sales by Type (2020-2025)

8.3 Middle East & Africa Vertical Axis Wind Turbine Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Vertical Axis Wind Turbine

10.3 Manufacturing Process Analysis of Vertical Axis Wind Turbine

10.4 Industry Chain Structure of Vertical Axis Wind Turbine

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Vertical Axis Wind Turbine Distributors

11.3 Vertical Axis Wind Turbine Customer

12 WORLD FORECAST REVIEW FOR VERTICAL AXIS WIND TURBINE BY GEOGRAPHIC REGION

- 12.1 Global Vertical Axis Wind Turbine Market Size Forecast by Region
 - 12.1.1 Global Vertical Axis Wind Turbine Forecast by Region (2026-2031)
 - 12.1.2 Global Vertical Axis Wind Turbine Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Vertical Axis Wind Turbine Forecast by Type (2026-2031)
- 12.7 Global Vertical Axis Wind Turbine Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

- 13.1 Helix Wind
 - 13.1.1 Helix Wind Company Information
 - 13.1.2 Helix Wind Vertical Axis Wind Turbine Product Portfolios and Specifications
 - 13.1.3 Helix Wind Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.1.4 Helix Wind Main Business Overview
 - 13.1.5 Helix Wind Latest Developments
- 13.2 Wind Harvest
 - 13.2.1 Wind Harvest Company Information
 - 13.2.2 Wind Harvest Vertical Axis Wind Turbine Product Portfolios and Specifications
 - 13.2.3 Wind Harvest Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.2.4 Wind Harvest Main Business Overview
 - 13.2.5 Wind Harvest Latest Developments
- 13.3 Astralux
 - 13.3.1 Astralux Company Information
 - 13.3.2 Astralux Vertical Axis Wind Turbine Product Portfolios and Specifications
 - 13.3.3 Astralux Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.3.4 Astralux Main Business Overview
 - 13.3.5 Astralux Latest Developments
- 13.4 Kliux Energies
 - 13.4.1 Kliux Energies Company Information
 - 13.4.2 Kliux Energies Vertical Axis Wind Turbine Product Portfolios and Specifications
 - 13.4.3 Kliux Energies Vertical Axis Wind Turbine Sales, Revenue, Price and Gross

Margin (2020-2025)

13.4.4 Kliux Energies Main Business Overview

13.4.5 Kliux Energies Latest Developments

13.5 Sycamore Energy

13.5.1 Sycamore Energy Company Information

13.5.2 Sycamore Energy Vertical Axis Wind Turbine Product Portfolios and Specifications

13.5.3 Sycamore Energy Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Sycamore Energy Main Business Overview

13.5.5 Sycamore Energy Latest Developments

13.6 Ropatec

13.6.1 Ropatec Company Information

13.6.2 Ropatec Vertical Axis Wind Turbine Product Portfolios and Specifications

13.6.3 Ropatec Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Ropatec Main Business Overview

13.6.5 Ropatec Latest Developments

13.7 Arborwind

13.7.1 Arborwind Company Information

13.7.2 Arborwind Vertical Axis Wind Turbine Product Portfolios and Specifications

13.7.3 Arborwind Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 Arborwind Main Business Overview

13.7.5 Arborwind Latest Developments

13.8 Quietrevolution

13.8.1 Quietrevolution Company Information

13.8.2 Quietrevolution Vertical Axis Wind Turbine Product Portfolios and Specifications

13.8.3 Quietrevolution Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 Quietrevolution Main Business Overview

13.8.5 Quietrevolution Latest Developments

13.9 Turbine

13.9.1 Turbine Company Information

13.9.2 Turbine Vertical Axis Wind Turbine Product Portfolios and Specifications

13.9.3 Turbine Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Turbine Main Business Overview

13.9.5 Turbine Latest Developments

13.10 Luethi Enterprises

13.10.1 Luethi Enterprises Company Information

13.10.2 Luethi Enterprises Vertical Axis Wind Turbine Product Portfolios and Specifications

13.10.3 Luethi Enterprises Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.10.4 Luethi Enterprises Main Business Overview

13.10.5 Luethi Enterprises Latest Developments

13.11 Aeolos

13.11.1 Aeolos Company Information

13.11.2 Aeolos Vertical Axis Wind Turbine Product Portfolios and Specifications

13.11.3 Aeolos Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Aeolos Main Business Overview

13.11.5 Aeolos Latest Developments

13.12 Oy Windside Production

13.12.1 Oy Windside Production Company Information

13.12.2 Oy Windside Production Vertical Axis Wind Turbine Product Portfolios and Specifications

13.12.3 Oy Windside Production Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 Oy Windside Production Main Business Overview

13.12.5 Oy Windside Production Latest Developments

13.13 Eastern Wind Power

13.13.1 Eastern Wind Power Company Information

13.13.2 Eastern Wind Power Vertical Axis Wind Turbine Product Portfolios and Specifications

13.13.3 Eastern Wind Power Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.13.4 Eastern Wind Power Main Business Overview

13.13.5 Eastern Wind Power Latest Developments

13.14 Windspire Energy

13.14.1 Windspire Energy Company Information

13.14.2 Windspire Energy Vertical Axis Wind Turbine Product Portfolios and Specifications

13.14.3 Windspire Energy Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.14.4 Windspire Energy Main Business Overview

13.14.5 Windspire Energy Latest Developments

13.15 SAW

13.15.1 SAW Company Information

13.15.2 SAW Vertical Axis Wind Turbine Product Portfolios and Specifications

13.15.3 SAW Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.15.4 SAW Main Business Overview

13.15.5 SAW Latest Developments

13.16 Ningbo Fengshen

13.16.1 Ningbo Fengshen Company Information

13.16.2 Ningbo Fengshen Vertical Axis Wind Turbine Product Portfolios and Specifications

13.16.3 Ningbo Fengshen Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.16.4 Ningbo Fengshen Main Business Overview

13.16.5 Ningbo Fengshen Latest Developments

13.17 MUCE

13.17.1 MUCE Company Information

13.17.2 MUCE Vertical Axis Wind Turbine Product Portfolios and Specifications

13.17.3 MUCE Vertical Axis Wind Turbine Sales, Revenue, Price and Gross Margin (2020-2025)

13.17.4 MUCE Main Business Overview

13.17.5 MUCE Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

LIST OF TABLES

Table 1. Vertical Axis WindTurbine Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Vertical Axis WindTurbine Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Darrieus

Table 4. Major Players of Savonius

Table 5. Global Vertical Axis WindTurbine Sales byType (2020-2025) & (MW)

Table 6. Global Vertical Axis WindTurbine Sales Market Share byType (2020-2025)

Table 7. Global Vertical Axis WindTurbine Revenue byType (2020-2025) & (\$ million)

Table 8. Global Vertical Axis WindTurbine Revenue Market Share byType (2020-2025)

Table 9. Global Vertical Axis WindTurbine Sale Price byType (2020-2025) & (USD/W)

Table 10. Global Vertical Axis WindTurbine Sale by Application (2020-2025) & (MW)

Table 11. Global Vertical Axis WindTurbine Sale Market Share by Application (2020-2025)

Table 12. Global Vertical Axis WindTurbine Revenue by Application (2020-2025) & (\$ million)

Table 13. Global Vertical Axis WindTurbine Revenue Market Share by Application (2020-2025)

Table 14. Global Vertical Axis WindTurbine Sale Price by Application (2020-2025) & (USD/W)

Table 15. Global Vertical Axis WindTurbine Sales by Company (2020-2025) & (MW)

Table 16. Global Vertical Axis WindTurbine Sales Market Share by Company (2020-2025)

Table 17. Global Vertical Axis WindTurbine Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global Vertical Axis WindTurbine Revenue Market Share by Company (2020-2025)

Table 19. Global Vertical Axis WindTurbine Sale Price by Company (2020-2025) & (USD/W)

Table 20. Key Manufacturers Vertical Axis WindTurbine Producing Area Distribution and Sales Area

Table 21. Players Vertical Axis WindTurbine Products Offered

Table 22. Vertical Axis WindTurbine Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Vertical Axis WindTurbine Sales by Geographic Region (2020-2025) & (MW)

Table 26. Global Vertical Axis WindTurbine Sales Market Share Geographic Region (2020-2025)

Table 27. Global Vertical Axis WindTurbine Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global Vertical Axis WindTurbine Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global Vertical Axis WindTurbine Sales by Country/Region (2020-2025) & (MW)

Table 30. Global Vertical Axis WindTurbine Sales Market Share by Country/Region (2020-2025)

Table 31. Global Vertical Axis WindTurbine Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Vertical Axis WindTurbine Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Vertical Axis WindTurbine Sales by Country (2020-2025) & (MW)

Table 34. Americas Vertical Axis WindTurbine Sales Market Share by Country (2020-2025)

Table 35. Americas Vertical Axis WindTurbine Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Vertical Axis WindTurbine Sales byType (2020-2025) & (MW)

Table 37. Americas Vertical Axis WindTurbine Sales by Application (2020-2025) & (MW)

Table 38. APAC Vertical Axis WindTurbine Sales by Region (2020-2025) & (MW)

Table 39. APAC Vertical Axis WindTurbine Sales Market Share by Region (2020-2025)

Table 40. APAC Vertical Axis WindTurbine Revenue by Region (2020-2025) & (\$ millions)

Table 41. APAC Vertical Axis WindTurbine Sales byType (2020-2025) & (MW)

Table 42. APAC Vertical Axis WindTurbine Sales by Application (2020-2025) & (MW)

Table 43. Europe Vertical Axis WindTurbine Sales by Country (2020-2025) & (MW)

Table 44. Europe Vertical Axis WindTurbine Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Vertical Axis WindTurbine Sales byType (2020-2025) & (MW)

Table 46. Europe Vertical Axis WindTurbine Sales by Application (2020-2025) & (MW)

Table 47. Middle East & Africa Vertical Axis WindTurbine Sales by Country (2020-2025) & (MW)

Table 48. Middle East & Africa Vertical Axis WindTurbine Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Vertical Axis WindTurbine Sales byType (2020-2025) & (MW)

Table 50. Middle East & Africa Vertical Axis WindTurbine Sales by Application (2020-2025) & (MW)

Table 51. Key Market Drivers & Growth Opportunities of Vertical Axis WindTurbine

Table 52. Key Market Challenges & Risks of Vertical Axis WindTurbine

Table 53. Key IndustryTrends of Vertical Axis WindTurbine

Table 54. Vertical Axis WindTurbine Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Vertical Axis WindTurbine Distributors List

Table 57. Vertical Axis WindTurbine Customer List

Table 58. Global Vertical Axis WindTurbine SalesForecast by Region (2026-2031) & (MW)

Table 59. Global Vertical Axis WindTurbine RevenueForecast by Region (2026-2031) &

(\$ millions)

Table 60. Americas Vertical Axis WindTurbine SalesForecast by Country (2026-2031) & (MW)

Table 61. Americas Vertical Axis WindTurbine Annual RevenueForecast by Country (2026-2031) & (\$ millions)

Table 62. APAC Vertical Axis WindTurbine SalesForecast by Region (2026-2031) & (MW)

Table 63. APAC Vertical Axis WindTurbine Annual RevenueForecast by Region (2026-2031) & (\$ millions)

Table 64. Europe Vertical Axis WindTurbine SalesForecast by Country (2026-2031) & (MW)

Table 65. Europe Vertical Axis WindTurbine RevenueForecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa Vertical Axis WindTurbine SalesForecast by Country (2026-2031) & (MW)

Table 67. Middle East & Africa Vertical Axis WindTurbine RevenueForecast by Country (2026-2031) & (\$ millions)

Table 68. Global Vertical Axis WindTurbine SalesForecast byType (2026-2031) & (MW)

Table 69. Global Vertical Axis WindTurbine RevenueForecast byType (2026-2031) & (\$ millions)

Table 70. Global Vertical Axis WindTurbine SalesForecast by Application (2026-2031) & (MW)

Table 71. Global Vertical Axis WindTurbine RevenueForecast by Application (2026-2031) & (\$ millions)

Table 72. Helix Wind Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 73. Helix Wind Vertical Axis WindTurbine Product Portfolios and Specifications

Table 74. Helix Wind Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 75. Helix Wind Main Business

Table 76. Helix Wind Latest Developments

Table 77. Wind Harvest Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 78. Wind Harvest Vertical Axis WindTurbine Product Portfolios and Specifications

Table 79. Wind Harvest Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 80. Wind Harvest Main Business

Table 81. Wind Harvest Latest Developments

Table 82. Astralux Basic Information, Vertical Axis WindTurbine Manufacturing Base,

Sales Area and Its Competitors

Table 83. Astralux Vertical Axis WindTurbine Product Portfolios and Specifications

Table 84. Astralux Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 85. Astralux Main Business

Table 86. Astralux Latest Developments

Table 87. Kliux Energies Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 88. Kliux Energies Vertical Axis WindTurbine Product Portfolios and Specifications

Table 89. Kliux Energies Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 90. Kliux Energies Main Business

Table 91. Kliux Energies Latest Developments

Table 92. Sycamore Energy Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 93. Sycamore Energy Vertical Axis WindTurbine Product Portfolios and Specifications

Table 94. Sycamore Energy Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 95. Sycamore Energy Main Business

Table 96. Sycamore Energy Latest Developments

Table 97. Ropatec Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 98. Ropatec Vertical Axis WindTurbine Product Portfolios and Specifications

Table 99. Ropatec Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 100. Ropatec Main Business

Table 101. Ropatec Latest Developments

Table 102. Arborwind Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 103. Arborwind Vertical Axis WindTurbine Product Portfolios and Specifications

Table 104. Arborwind Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 105. Arborwind Main Business

Table 106. Arborwind Latest Developments

Table 107. Quietrevolution Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 108. Quietrevolution Vertical Axis WindTurbine Product Portfolios and

Specifications

Table 109. Quietrevolution Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 110. Quietrevolution Main Business

Table 111. Quietrevolution Latest Developments

Table 112. Turbine Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 113. Turbine Vertical Axis WindTurbine Product Portfolios and Specifications

Table 114. Turbine Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 115. Turbine Main Business

Table 116. Turbine Latest Developments

Table 117. Luethi Enterprises Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 118. Luethi Enterprises Vertical Axis WindTurbine Product Portfolios and Specifications

Table 119. Luethi Enterprises Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 120. Luethi Enterprises Main Business

Table 121. Luethi Enterprises Latest Developments

Table 122. Aeolos Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 123. Aeolos Vertical Axis WindTurbine Product Portfolios and Specifications

Table 124. Aeolos Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 125. Aeolos Main Business

Table 126. Aeolos Latest Developments

Table 127. Oy Windside Production Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 128. Oy Windside Production Vertical Axis WindTurbine Product Portfolios and Specifications

Table 129. Oy Windside Production Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 130. Oy Windside Production Main Business

Table 131. Oy Windside Production Latest Developments

Table 132. Eastern Wind Power Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 133. Eastern Wind Power Vertical Axis WindTurbine Product Portfolios and Specifications

Table 134. Eastern Wind Power Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 135. Eastern Wind Power Main Business

Table 136. Eastern Wind Power Latest Developments

Table 137. Windspire Energy Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 138. Windspire Energy Vertical Axis WindTurbine Product Portfolios and Specifications

Table 139. Windspire Energy Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 140. Windspire Energy Main Business

Table 141. Windspire Energy Latest Developments

Table 142. SAW Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 143. SAW Vertical Axis WindTurbine Product Portfolios and Specifications

Table 144. SAW Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 145. SAW Main Business

Table 146. SAW Latest Developments

Table 147. NingboFengshen Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 148. NingboFengshen Vertical Axis WindTurbine Product Portfolios and Specifications

Table 149. NingboFengshen Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 150. NingboFengshen Main Business

Table 151. NingboFengshen Latest Developments

Table 152. MUCE Basic Information, Vertical Axis WindTurbine Manufacturing Base, Sales Area and Its Competitors

Table 153. MUCE Vertical Axis WindTurbine Product Portfolios and Specifications

Table 154. MUCE Vertical Axis WindTurbine Sales (MW), Revenue (\$ Million), Price (USD/W) and Gross Margin (2020-2025)

Table 155. MUCE Main Business

Table 156. MUCE Latest Developments

LIST OFFIGURES

- Figure 1. Picture of Vertical Axis WindTurbine
- Figure 2. Vertical Axis WindTurbine Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Vertical Axis WindTurbine Sales Growth Rate 2020-2031 (MW)
- Figure 7. Global Vertical Axis WindTurbine Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Vertical Axis WindTurbine Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Vertical Axis WindTurbine Sales Market Share by Country/Region (2024)
- Figure 10. Vertical Axis WindTurbine Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Darrieus
- Figure 12. Product Picture of Savonius
- Figure 13. Global Vertical Axis WindTurbine Sales Market Share byType in 2025
- Figure 14. Global Vertical Axis WindTurbine Revenue Market Share byType (2020-2025)
- Figure 15. Vertical Axis WindTurbine Consumed in Urban
- Figure 16. Global Vertical Axis WindTurbine Market: Urban (2020-2025) & (MW)
- Figure 17. Vertical Axis WindTurbine Consumed in Rural
- Figure 18. Global Vertical Axis WindTurbine Market: Rural (2020-2025) & (MW)
- Figure 19. Vertical Axis WindTurbine Consumed in Sea
- Figure 20. Global Vertical Axis WindTurbine Market: Sea (2020-2025) & (MW)
- Figure 21. Vertical Axis WindTurbine Consumed in Others
- Figure 22. Global Vertical Axis WindTurbine Market: Others (2020-2025) & (MW)
- Figure 23. Global Vertical Axis WindTurbine Sale Market Share by Application (2024)
- Figure 24. Global Vertical Axis WindTurbine Revenue Market Share by Application in 2025
- Figure 25. Vertical Axis WindTurbine Sales by Company in 2025 (MW)
- Figure 26. Global Vertical Axis WindTurbine Sales Market Share by Company in 2025
- Figure 27. Vertical Axis WindTurbine Revenue by Company in 2025 (\$ millions)
- Figure 28. Global Vertical Axis WindTurbine Revenue Market Share by Company in 2025
- Figure 29. Global Vertical Axis WindTurbine Sales Market Share by Geographic Region (2020-2025)
- Figure 30. Global Vertical Axis WindTurbine Revenue Market Share by Geographic Region in 2025
- Figure 31. Americas Vertical Axis WindTurbine Sales 2020-2025 (MW)

Figure 32. Americas Vertical Axis WindTurbine Revenue 2020-2025 (\$ millions)

Figure 33. APAC Vertical Axis WindTurbine Sales 2020-2025 (MW)

Figure 34. APAC Vertical Axis WindTurbine Revenue 2020-2025 (\$ millions)

Figure 35. Europe Vertical Axis WindTurbine Sales 2020-2025 (MW)

Figure 36. Europe Vertical Axis WindTurbine Revenue 2020-2025 (\$ millions)

Figure 37. Middle East & Africa Vertical Axis WindTurbine Sales 2020-2025 (MW)

Figure 38. Middle East & Africa Vertical Axis WindTurbine Revenue 2020-2025 (\$ millions)

Figure 39. Americas Vertical Axis WindTurbine Sales Market Share by Country in 2025

Figure 40. Americas Vertical Axis WindTurbine Revenue Market Share by Country (2020-2025)

Figure 41. Americas Vertical Axis WindTurbine Sales Market Share byType (2020-2025)

Figure 42. Americas Vertical Axis WindTurbine Sales Market Share by Application (2020-2025)

Figure 43. United States Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 44. Canada Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 45. Mexico Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 46. Brazil Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 47. APAC Vertical Axis WindTurbine Sales Market Share by Region in 2025

Figure 48. APAC Vertical Axis WindTurbine Revenue Market Share by Region (2020-2025)

Figure 49. APAC Vertical Axis WindTurbine Sales Market Share byType (2020-2025)

Figure 50. APAC Vertical Axis WindTurbine Sales Market Share by Application (2020-2025)

Figure 51. China Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 52. Japan Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 53. South Korea Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 54. Southeast Asia Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 55. India Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 56. Australia Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 57. ChinaTaiwan Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 58. Europe Vertical Axis WindTurbine Sales Market Share by Country in 2025

Figure 59. Europe Vertical Axis WindTurbine Revenue Market Share by Country (2020-2025)

Figure 60. Europe Vertical Axis WindTurbine Sales Market Share byType (2020-2025)

Figure 61. Europe Vertical Axis WindTurbine Sales Market Share by Application (2020-2025)

Figure 62. Germany Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 63. France Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 64. UK Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 65. Italy Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 66. Russia Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 67. Middle East & Africa Vertical Axis WindTurbine Sales Market Share by Country (2020-2025)

Figure 68. Middle East & Africa Vertical Axis WindTurbine Sales Market Share byType (2020-2025)

Figure 69. Middle East & Africa Vertical Axis WindTurbine Sales Market Share by Application (2020-2025)

Figure 70. Egypt Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 71. South Africa Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 72. Israel Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 73. Turkey Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 74. GCC Countries Vertical Axis WindTurbine Revenue Growth 2020-2025 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Vertical Axis WindTurbine in 2025

Figure 76. Manufacturing Process Analysis of Vertical Axis WindTurbine

Figure 77. Industry Chain Structure of Vertical Axis WindTurbine

Figure 78. Channels of Distribution

Figure 79. Global Vertical Axis WindTurbine Sales MarketForecast by Region (2026-2031)

Figure 80. Global Vertical Axis WindTurbine Revenue Market ShareForecast by Region (2026-2031)

Figure 81. Global Vertical Axis WindTurbine Sales Market ShareForecast byType (2026-2031)

Figure 82. Global Vertical Axis WindTurbine Revenue Market ShareForecast byType (2026-2031)

Figure 83. Global Vertical Axis WindTurbine Sales Market ShareForecast by Application (2026-2031)

Figure 84. Global Vertical Axis WindTurbine Revenue Market ShareForecast by Application (2026-2031)

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