

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.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Vertical Axis Wind Turbine

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Vertical Axis Wind Turbine Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Darrieus

1.3.3 Savonius

1.4 Market Analysis by Application

1.4.1 Overview: Global Vertical Axis Wind Turbine Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Urban

1.4.3 Rural

1.4.4 Sea

1.4.5 Others

1.5 Global Vertical Axis Wind Turbine Market Size & Forecast

1.5.1 Global Vertical Axis Wind Turbine Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Vertical Axis Wind Turbine Sales Quantity (2019-2030)

1.5.3 Global Vertical Axis Wind Turbine Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Helix Wind

2.1.1 Helix Wind Details

2.1.2 Helix Wind Major Business

2.1.3 Helix Wind Vertical Axis Wind Turbine Product and Services

2.1.4 Helix Wind Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Helix Wind Recent Developments/Updates

2.2 Wind Harvest

2.2.1 Wind Harvest Details

2.2.2 Wind Harvest Major Business

2.2.3 Wind Harvest Vertical Axis Wind Turbine Product and Services

2.2.4 Wind Harvest Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Wind Harvest Recent Developments/Updates

2.3 Astralux

2.3.1 Astralux Details

2.3.2 Astralux Major Business

2.3.3 Astralux Vertical Axis Wind Turbine Product and Services

2.3.4 Astralux Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Astralux Recent Developments/Updates

2.4 Kliux Energies

2.4.1 Kliux Energies Details

2.4.2 Kliux Energies Major Business

2.4.3 Kliux Energies Vertical Axis Wind Turbine Product and Services

2.4.4 Kliux Energies Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Kliux Energies Recent Developments/Updates

2.5 Sycamore Energy

2.5.1 Sycamore Energy Details

2.5.2 Sycamore Energy Major Business

2.5.3 Sycamore Energy Vertical Axis Wind Turbine Product and Services

2.5.4 Sycamore Energy Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Sycamore Energy Recent Developments/Updates

2.6 Ropatec

2.6.1 Ropatec Details

2.6.2 Ropatec Major Business

2.6.3 Ropatec Vertical Axis Wind Turbine Product and Services

2.6.4 Ropatec Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Ropatec Recent Developments/Updates

2.7 Arborwind

2.7.1 Arborwind Details

2.7.2 Arborwind Major Business

2.7.3 Arborwind Vertical Axis Wind Turbine Product and Services

2.7.4 Arborwind Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 Arborwind Recent Developments/Updates

2.8 Quietrevolution

2.8.1 Quietrevolution Details

2.8.2 Quietrevolution Major Business

2.8.3 Quietrevolution Vertical Axis Wind Turbine Product and Services

2.8.4 Quietrevolution Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.8.5 Quietrevolution Recent Developments/Updates

2.9 Turbine

2.9.1 Turbine Details

2.9.2 Turbine Major Business

2.9.3 Turbine Vertical Axis Wind Turbine Product and Services

2.9.4 Turbine Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 Turbine Recent Developments/Updates

2.10 Luethi Enterprises

2.10.1 Luethi Enterprises Details

2.10.2 Luethi Enterprises Major Business

2.10.3 Luethi Enterprises Vertical Axis Wind Turbine Product and Services

2.10.4 Luethi Enterprises Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 Luethi Enterprises Recent Developments/Updates

2.11 Aeolos

2.11.1 Aeolos Details

2.11.2 Aeolos Major Business

2.11.3 Aeolos Vertical Axis Wind Turbine Product and Services

2.11.4 Aeolos Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.11.5 Aeolos Recent Developments/Updates

2.12 Oy Windside Production

2.12.1 Oy Windside Production Details

2.12.2 Oy Windside Production Major Business

2.12.3 Oy Windside Production Vertical Axis Wind Turbine Product and Services

2.12.4 Oy Windside Production Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.12.5 Oy Windside Production Recent Developments/Updates

2.13 Eastern Wind Power

2.13.1 Eastern Wind Power Details

2.13.2 Eastern Wind Power Major Business

2.13.3 Eastern Wind Power Vertical Axis Wind Turbine Product and Services

2.13.4 Eastern Wind Power Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 Eastern Wind Power Recent Developments/Updates

2.14 Windspire Energy

- 2.14.1 Windspire Energy Details
- 2.14.2 Windspire Energy Major Business
- 2.14.3 Windspire Energy Vertical Axis Wind Turbine Product and Services
- 2.14.4 Windspire Energy Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.14.5 Windspire Energy Recent Developments/Updates
- 2.15 SAW
 - 2.15.1 SAW Details
 - 2.15.2 SAW Major Business
 - 2.15.3 SAW Vertical Axis Wind Turbine Product and Services
 - 2.15.4 SAW Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.15.5 SAW Recent Developments/Updates
- 2.16 Ningbo Fengshen
 - 2.16.1 Ningbo Fengshen Details
 - 2.16.2 Ningbo Fengshen Major Business
 - 2.16.3 Ningbo Fengshen Vertical Axis Wind Turbine Product and Services
 - 2.16.4 Ningbo Fengshen Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.16.5 Ningbo Fengshen Recent Developments/Updates
- 2.17 MUCE
 - 2.17.1 MUCE Details
 - 2.17.2 MUCE Major Business
 - 2.17.3 MUCE Vertical Axis Wind Turbine Product and Services
 - 2.17.4 MUCE Vertical Axis Wind Turbine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.17.5 MUCE Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: VERTICAL AXIS WIND TURBINE BY MANUFACTURER

- 3.1 Global Vertical Axis Wind Turbine Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Vertical Axis Wind Turbine Revenue by Manufacturer (2019-2024)
- 3.3 Global Vertical Axis Wind Turbine Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Vertical Axis Wind Turbine by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Vertical Axis Wind Turbine Manufacturer Market Share in 2023
 - 3.4.2 Top 6 Vertical Axis Wind Turbine Manufacturer Market Share in 2023

- 3.5 Vertical Axis Wind Turbine Market: Overall Company Footprint Analysis
 - 3.5.1 Vertical Axis Wind Turbine Market: Region Footprint
 - 3.5.2 Vertical Axis Wind Turbine Market: Company Product Type Footprint
 - 3.5.3 Vertical Axis Wind Turbine Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Vertical Axis Wind Turbine Market Size by Region
 - 4.1.1 Global Vertical Axis Wind Turbine Sales Quantity by Region (2019-2030)
 - 4.1.2 Global Vertical Axis Wind Turbine Consumption Value by Region (2019-2030)
 - 4.1.3 Global Vertical Axis Wind Turbine Average Price by Region (2019-2030)
- 4.2 North America Vertical Axis Wind Turbine Consumption Value (2019-2030)
- 4.3 Europe Vertical Axis Wind Turbine Consumption Value (2019-2030)
- 4.4 Asia-Pacific Vertical Axis Wind Turbine Consumption Value (2019-2030)
- 4.5 South America Vertical Axis Wind Turbine Consumption Value (2019-2030)
- 4.6 Middle East and Africa Vertical Axis Wind Turbine Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Vertical Axis Wind Turbine Sales Quantity by Type (2019-2030)
- 5.2 Global Vertical Axis Wind Turbine Consumption Value by Type (2019-2030)
- 5.3 Global Vertical Axis Wind Turbine Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Vertical Axis Wind Turbine Sales Quantity by Application (2019-2030)
- 6.2 Global Vertical Axis Wind Turbine Consumption Value by Application (2019-2030)
- 6.3 Global Vertical Axis Wind Turbine Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Vertical Axis Wind Turbine Sales Quantity by Type (2019-2030)
- 7.2 North America Vertical Axis Wind Turbine Sales Quantity by Application (2019-2030)
- 7.3 North America Vertical Axis Wind Turbine Market Size by Country
 - 7.3.1 North America Vertical Axis Wind Turbine Sales Quantity by Country (2019-2030)

7.3.2 North America Vertical Axis Wind Turbine Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Vertical Axis Wind Turbine Sales Quantity by Type (2019-2030)

8.2 Europe Vertical Axis Wind Turbine Sales Quantity by Application (2019-2030)

8.3 Europe Vertical Axis Wind Turbine Market Size by Country

8.3.1 Europe Vertical Axis Wind Turbine Sales Quantity by Country (2019-2030)

8.3.2 Europe Vertical Axis Wind Turbine Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Vertical Axis Wind Turbine Market Size by Region

9.3.1 Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Vertical Axis Wind Turbine Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Vertical Axis Wind Turbine Sales Quantity by Type (2019-2030)

10.2 South America Vertical Axis Wind Turbine Sales Quantity by Application (2019-2030)

10.3 South America Vertical Axis Wind Turbine Market Size by Country

10.3.1 South America Vertical Axis Wind Turbine Sales Quantity by Country
(2019-2030)

10.3.2 South America Vertical Axis Wind Turbine Consumption Value by Country
(2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Type
(2019-2030)

11.2 Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Application
(2019-2030)

11.3 Middle East & Africa Vertical Axis Wind Turbine Market Size by Country

11.3.1 Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Country
(2019-2030)

11.3.2 Middle East & Africa Vertical Axis Wind Turbine Consumption Value by Country
(2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Vertical Axis Wind Turbine Market Drivers

12.2 Vertical Axis Wind Turbine Market Restraints

12.3 Vertical Axis Wind Turbine Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Vertical Axis Wind Turbine and Key Manufacturers

13.2 Manufacturing Costs Percentage of Vertical Axis Wind Turbine

13.3 Vertical Axis Wind Turbine Production Process

13.4 Vertical Axis Wind Turbine Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Vertical Axis Wind Turbine Typical Distributors

14.3 Vertical Axis Wind Turbine Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global Vertical Axis Wind Turbine Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Table 2. Global Vertical Axis Wind Turbine Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Table 3. Helix Wind Basic Information, Manufacturing Base and Competitors
- Table 4. Helix Wind Major Business
- Table 5. Helix Wind Vertical Axis Wind Turbine Product and Services
- Table 6. Helix Wind Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 7. Helix Wind Recent Developments/Updates
- Table 8. Wind Harvest Basic Information, Manufacturing Base and Competitors
- Table 9. Wind Harvest Major Business
- Table 10. Wind Harvest Vertical Axis Wind Turbine Product and Services
- Table 11. Wind Harvest Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 12. Wind Harvest Recent Developments/Updates
- Table 13. Astralux Basic Information, Manufacturing Base and Competitors
- Table 14. Astralux Major Business
- Table 15. Astralux Vertical Axis Wind Turbine Product and Services
- Table 16. Astralux Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 17. Astralux Recent Developments/Updates
- Table 18. Kliux Energies Basic Information, Manufacturing Base and Competitors
- Table 19. Kliux Energies Major Business
- Table 20. Kliux Energies Vertical Axis Wind Turbine Product and Services
- Table 21. Kliux Energies Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 22. Kliux Energies Recent Developments/Updates
- Table 23. Sycamore Energy Basic Information, Manufacturing Base and Competitors
- Table 24. Sycamore Energy Major Business
- Table 25. Sycamore Energy Vertical Axis Wind Turbine Product and Services
- Table 26. Sycamore Energy Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 27. Sycamore Energy Recent Developments/Updates
- Table 28. Ropatec Basic Information, Manufacturing Base and Competitors

Table 29. Ropatec Major Business

Table 30. Ropatec Vertical Axis Wind Turbine Product and Services

Table 31. Ropatec Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Ropatec Recent Developments/Updates

Table 33. Arborwind Basic Information, Manufacturing Base and Competitors

Table 34. Arborwind Major Business

Table 35. Arborwind Vertical Axis Wind Turbine Product and Services

Table 36. Arborwind Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Arborwind Recent Developments/Updates

Table 38. Quietrevolution Basic Information, Manufacturing Base and Competitors

Table 39. Quietrevolution Major Business

Table 40. Quietrevolution Vertical Axis Wind Turbine Product and Services

Table 41. Quietrevolution Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Quietrevolution Recent Developments/Updates

Table 43. Turbine Basic Information, Manufacturing Base and Competitors

Table 44. Turbine Major Business

Table 45. Turbine Vertical Axis Wind Turbine Product and Services

Table 46. Turbine Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Turbine Recent Developments/Updates

Table 48. Luethi Enterprises Basic Information, Manufacturing Base and Competitors

Table 49. Luethi Enterprises Major Business

Table 50. Luethi Enterprises Vertical Axis Wind Turbine Product and Services

Table 51. Luethi Enterprises Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Luethi Enterprises Recent Developments/Updates

Table 53. Aeolos Basic Information, Manufacturing Base and Competitors

Table 54. Aeolos Major Business

Table 55. Aeolos Vertical Axis Wind Turbine Product and Services

Table 56. Aeolos Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Aeolos Recent Developments/Updates

Table 58. Oy Windside Production Basic Information, Manufacturing Base and Competitors

Table 59. Oy Windside Production Major Business

Table 60. Oy Windside Production Vertical Axis Wind Turbine Product and Services

Table 61. Oy Windside Production Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Oy Windside Production Recent Developments/Updates

Table 63. Eastern Wind Power Basic Information, Manufacturing Base and Competitors

Table 64. Eastern Wind Power Major Business

Table 65. Eastern Wind Power Vertical Axis Wind Turbine Product and Services

Table 66. Eastern Wind Power Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Eastern Wind Power Recent Developments/Updates

Table 68. Windspire Energy Basic Information, Manufacturing Base and Competitors

Table 69. Windspire Energy Major Business

Table 70. Windspire Energy Vertical Axis Wind Turbine Product and Services

Table 71. Windspire Energy Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. Windspire Energy Recent Developments/Updates

Table 73. SAW Basic Information, Manufacturing Base and Competitors

Table 74. SAW Major Business

Table 75. SAW Vertical Axis Wind Turbine Product and Services

Table 76. SAW Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. SAW Recent Developments/Updates

Table 78. Ningbo Fengshen Basic Information, Manufacturing Base and Competitors

Table 79. Ningbo Fengshen Major Business

Table 80. Ningbo Fengshen Vertical Axis Wind Turbine Product and Services

Table 81. Ningbo Fengshen Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 82. Ningbo Fengshen Recent Developments/Updates

Table 83. MUCE Basic Information, Manufacturing Base and Competitors

Table 84. MUCE Major Business

Table 85. MUCE Vertical Axis Wind Turbine Product and Services

Table 86. MUCE Vertical Axis Wind Turbine Sales Quantity (MW), Average Price (USD/W), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 87. MUCE Recent Developments/Updates

Table 88. Global Vertical Axis Wind Turbine Sales Quantity by Manufacturer (2019-2024) & (MW)

Table 89. Global Vertical Axis Wind Turbine Revenue by Manufacturer (2019-2024) & (USD Million)

- Table 90. Global Vertical Axis Wind Turbine Average Price by Manufacturer (2019-2024) & (USD/W)
- Table 91. Market Position of Manufacturers in Vertical Axis Wind Turbine, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023
- Table 92. Head Office and Vertical Axis Wind Turbine Production Site of Key Manufacturer
- Table 93. Vertical Axis Wind Turbine Market: Company Product Type Footprint
- Table 94. Vertical Axis Wind Turbine Market: Company Product Application Footprint
- Table 95. Vertical Axis Wind Turbine New Market Entrants and Barriers to Market Entry
- Table 96. Vertical Axis Wind Turbine Mergers, Acquisition, Agreements, and Collaborations
- Table 97. Global Vertical Axis Wind Turbine Sales Quantity by Region (2019-2024) & (MW)
- Table 98. Global Vertical Axis Wind Turbine Sales Quantity by Region (2025-2030) & (MW)
- Table 99. Global Vertical Axis Wind Turbine Consumption Value by Region (2019-2024) & (USD Million)
- Table 100. Global Vertical Axis Wind Turbine Consumption Value by Region (2025-2030) & (USD Million)
- Table 101. Global Vertical Axis Wind Turbine Average Price by Region (2019-2024) & (USD/W)
- Table 102. Global Vertical Axis Wind Turbine Average Price by Region (2025-2030) & (USD/W)
- Table 103. Global Vertical Axis Wind Turbine Sales Quantity by Type (2019-2024) & (MW)
- Table 104. Global Vertical Axis Wind Turbine Sales Quantity by Type (2025-2030) & (MW)
- Table 105. Global Vertical Axis Wind Turbine Consumption Value by Type (2019-2024) & (USD Million)
- Table 106. Global Vertical Axis Wind Turbine Consumption Value by Type (2025-2030) & (USD Million)
- Table 107. Global Vertical Axis Wind Turbine Average Price by Type (2019-2024) & (USD/W)
- Table 108. Global Vertical Axis Wind Turbine Average Price by Type (2025-2030) & (USD/W)
- Table 109. Global Vertical Axis Wind Turbine Sales Quantity by Application (2019-2024) & (MW)
- Table 110. Global Vertical Axis Wind Turbine Sales Quantity by Application (2025-2030) & (MW)

Table 111. Global Vertical Axis Wind Turbine Consumption Value by Application (2019-2024) & (USD Million)

Table 112. Global Vertical Axis Wind Turbine Consumption Value by Application (2025-2030) & (USD Million)

Table 113. Global Vertical Axis Wind Turbine Average Price by Application (2019-2024) & (USD/W)

Table 114. Global Vertical Axis Wind Turbine Average Price by Application (2025-2030) & (USD/W)

Table 115. North America Vertical Axis Wind Turbine Sales Quantity by Type (2019-2024) & (MW)

Table 116. North America Vertical Axis Wind Turbine Sales Quantity by Type (2025-2030) & (MW)

Table 117. North America Vertical Axis Wind Turbine Sales Quantity by Application (2019-2024) & (MW)

Table 118. North America Vertical Axis Wind Turbine Sales Quantity by Application (2025-2030) & (MW)

Table 119. North America Vertical Axis Wind Turbine Sales Quantity by Country (2019-2024) & (MW)

Table 120. North America Vertical Axis Wind Turbine Sales Quantity by Country (2025-2030) & (MW)

Table 121. North America Vertical Axis Wind Turbine Consumption Value by Country (2019-2024) & (USD Million)

Table 122. North America Vertical Axis Wind Turbine Consumption Value by Country (2025-2030) & (USD Million)

Table 123. Europe Vertical Axis Wind Turbine Sales Quantity by Type (2019-2024) & (MW)

Table 124. Europe Vertical Axis Wind Turbine Sales Quantity by Type (2025-2030) & (MW)

Table 125. Europe Vertical Axis Wind Turbine Sales Quantity by Application (2019-2024) & (MW)

Table 126. Europe Vertical Axis Wind Turbine Sales Quantity by Application (2025-2030) & (MW)

Table 127. Europe Vertical Axis Wind Turbine Sales Quantity by Country (2019-2024) & (MW)

Table 128. Europe Vertical Axis Wind Turbine Sales Quantity by Country (2025-2030) & (MW)

Table 129. Europe Vertical Axis Wind Turbine Consumption Value by Country (2019-2024) & (USD Million)

Table 130. Europe Vertical Axis Wind Turbine Consumption Value by Country

(2025-2030) & (USD Million)

Table 131. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Type (2019-2024) & (MW)

Table 132. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Type (2025-2030) & (MW)

Table 133. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Application (2019-2024) & (MW)

Table 134. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Application (2025-2030) & (MW)

Table 135. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Region (2019-2024) & (MW)

Table 136. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity by Region (2025-2030) & (MW)

Table 137. Asia-Pacific Vertical Axis Wind Turbine Consumption Value by Region (2019-2024) & (USD Million)

Table 138. Asia-Pacific Vertical Axis Wind Turbine Consumption Value by Region (2025-2030) & (USD Million)

Table 139. South America Vertical Axis Wind Turbine Sales Quantity by Type (2019-2024) & (MW)

Table 140. South America Vertical Axis Wind Turbine Sales Quantity by Type (2025-2030) & (MW)

Table 141. South America Vertical Axis Wind Turbine Sales Quantity by Application (2019-2024) & (MW)

Table 142. South America Vertical Axis Wind Turbine Sales Quantity by Application (2025-2030) & (MW)

Table 143. South America Vertical Axis Wind Turbine Sales Quantity by Country (2019-2024) & (MW)

Table 144. South America Vertical Axis Wind Turbine Sales Quantity by Country (2025-2030) & (MW)

Table 145. South America Vertical Axis Wind Turbine Consumption Value by Country (2019-2024) & (USD Million)

Table 146. South America Vertical Axis Wind Turbine Consumption Value by Country (2025-2030) & (USD Million)

Table 147. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Type (2019-2024) & (MW)

Table 148. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Type (2025-2030) & (MW)

Table 149. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Application (2019-2024) & (MW)

Table 150. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Application (2025-2030) & (MW)

Table 151. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Region (2019-2024) & (MW)

Table 152. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity by Region (2025-2030) & (MW)

Table 153. Middle East & Africa Vertical Axis Wind Turbine Consumption Value by Region (2019-2024) & (USD Million)

Table 154. Middle East & Africa Vertical Axis Wind Turbine Consumption Value by Region (2025-2030) & (USD Million)

Table 155. Vertical Axis Wind Turbine Raw Material

Table 156. Key Manufacturers of Vertical Axis Wind Turbine Raw Materials

Table 157. Vertical Axis Wind Turbine Typical Distributors

Table 158. Vertical Axis Wind Turbine Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Vertical Axis Wind Turbine Picture

Figure 2. Global Vertical Axis Wind Turbine Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Vertical Axis Wind Turbine Consumption Value Market Share by Type in 2023

Figure 4. Darrieus Examples

Figure 5. Savonius Examples

Figure 6. Global Vertical Axis Wind Turbine Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Vertical Axis Wind Turbine Consumption Value Market Share by Application in 2023

Figure 8. Urban Examples

Figure 9. Rural Examples

Figure 10. Sea Examples

Figure 11. Others Examples

Figure 12. Global Vertical Axis Wind Turbine Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 13. Global Vertical Axis Wind Turbine Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 14. Global Vertical Axis Wind Turbine Sales Quantity (2019-2030) & (MW)

Figure 15. Global Vertical Axis Wind Turbine Average Price (2019-2030) & (USD/W)

Figure 16. Global Vertical Axis Wind Turbine Sales Quantity Market Share by Manufacturer in 2023

Figure 17. Global Vertical Axis Wind Turbine Consumption Value Market Share by Manufacturer in 2023

Figure 18. Producer Shipments of Vertical Axis Wind Turbine by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 19. Top 3 Vertical Axis Wind Turbine Manufacturer (Consumption Value) Market Share in 2023

Figure 20. Top 6 Vertical Axis Wind Turbine Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Global Vertical Axis Wind Turbine Sales Quantity Market Share by Region (2019-2030)

Figure 22. Global Vertical Axis Wind Turbine Consumption Value Market Share by Region (2019-2030)

Figure 23. North America Vertical Axis Wind Turbine Consumption Value (2019-2030) & (USD Million)

Figure 24. Europe Vertical Axis Wind Turbine Consumption Value (2019-2030) & (USD Million)

Figure 25. Asia-Pacific Vertical Axis Wind Turbine Consumption Value (2019-2030) & (USD Million)

Figure 26. South America Vertical Axis Wind Turbine Consumption Value (2019-2030) & (USD Million)

Figure 27. Middle East & Africa Vertical Axis Wind Turbine Consumption Value (2019-2030) & (USD Million)

Figure 28. Global Vertical Axis Wind Turbine Sales Quantity Market Share by Type (2019-2030)

Figure 29. Global Vertical Axis Wind Turbine Consumption Value Market Share by Type (2019-2030)

Figure 30. Global Vertical Axis Wind Turbine Average Price by Type (2019-2030) & (USD/W)

Figure 31. Global Vertical Axis Wind Turbine Sales Quantity Market Share by Application (2019-2030)

Figure 32. Global Vertical Axis Wind Turbine Consumption Value Market Share by Application (2019-2030)

Figure 33. Global Vertical Axis Wind Turbine Average Price by Application (2019-2030) & (USD/W)

Figure 34. North America Vertical Axis Wind Turbine Sales Quantity Market Share by Type (2019-2030)

Figure 35. North America Vertical Axis Wind Turbine Sales Quantity Market Share by Application (2019-2030)

Figure 36. North America Vertical Axis Wind Turbine Sales Quantity Market Share by Country (2019-2030)

Figure 37. North America Vertical Axis Wind Turbine Consumption Value Market Share by Country (2019-2030)

Figure 38. United States Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Canada Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Mexico Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Europe Vertical Axis Wind Turbine Sales Quantity Market Share by Type (2019-2030)

Figure 42. Europe Vertical Axis Wind Turbine Sales Quantity Market Share by

Application (2019-2030)

Figure 43. Europe Vertical Axis Wind Turbine Sales Quantity Market Share by Country (2019-2030)

Figure 44. Europe Vertical Axis Wind Turbine Consumption Value Market Share by Country (2019-2030)

Figure 45. Germany Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. France Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. United Kingdom Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Russia Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Italy Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity Market Share by Type (2019-2030)

Figure 51. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity Market Share by Application (2019-2030)

Figure 52. Asia-Pacific Vertical Axis Wind Turbine Sales Quantity Market Share by Region (2019-2030)

Figure 53. Asia-Pacific Vertical Axis Wind Turbine Consumption Value Market Share by Region (2019-2030)

Figure 54. China Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Japan Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Korea Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. India Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Southeast Asia Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Australia Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. South America Vertical Axis Wind Turbine Sales Quantity Market Share by Type (2019-2030)

Figure 61. South America Vertical Axis Wind Turbine Sales Quantity Market Share by Application (2019-2030)

- Figure 62. South America Vertical Axis Wind Turbine Sales Quantity Market Share by Country (2019-2030)
- Figure 63. South America Vertical Axis Wind Turbine Consumption Value Market Share by Country (2019-2030)
- Figure 64. Brazil Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 65. Argentina Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 66. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity Market Share by Type (2019-2030)
- Figure 67. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity Market Share by Application (2019-2030)
- Figure 68. Middle East & Africa Vertical Axis Wind Turbine Sales Quantity Market Share by Region (2019-2030)
- Figure 69. Middle East & Africa Vertical Axis Wind Turbine Consumption Value Market Share by Region (2019-2030)
- Figure 70. Turkey Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 71. Egypt Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 72. Saudi Arabia Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 73. South Africa Vertical Axis Wind Turbine Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 74. Vertical Axis Wind Turbine Market Drivers
- Figure 75. Vertical Axis Wind Turbine Market Restraints
- Figure 76. Vertical Axis Wind Turbine Market Trends
- Figure 77. Porters Five Forces Analysis
- Figure 78. Manufacturing Cost Structure Analysis of Vertical Axis Wind Turbine in 2023
- Figure 79. Manufacturing Process Analysis of Vertical Axis Wind Turbine
- Figure 80. Vertical Axis Wind Turbine Industrial Chain
- Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 82. Direct Channel Pros & Cons
- Figure 83. Indirect Channel Pros & Cons
- Figure 84. Methodology
- Figure 85. Research Process and Data Source

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