

Global Lightning and Surge Protection for Wind Turbines Market Growth 2024-2030

<https://marketpublishers.com/r/G91B9E1CA1DBEN.html>

Date: May 2024

Pages: 118

Price: US\$ 3,660.00 (Single User License)

ID: G91B9E1CA1DBEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Lightning and surge protection for wind turbines involves implementing measures to mitigate the risks posed by lightning strikes and electrical surges, which can damage critical components of the turbine's electrical and control systems. This typically includes installing lightning rods or air terminals at the highest points of the turbine structure to attract and safely dissipate lightning strikes, as well as surge protection devices such as surge arresters and surge suppressors to divert excess electrical energy away from sensitive equipment. Grounding systems are also essential to provide a low-resistance path for lightning currents to safely dissipate into the ground. Proper design, installation, and maintenance of lightning and surge protection systems are crucial to ensure the reliable operation and longevity of wind turbines while minimizing downtime and repair costs.

The global Lightning and Surge Protection for Wind Turbines market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Lightning and Surge Protection for Wind Turbines Industry Forecast" looks at past sales and reviews total world Lightning and Surge Protection for Wind Turbines sales in 2023, providing a comprehensive analysis by region and market sector of projected Lightning and Surge Protection for Wind Turbines sales for 2024 through 2030. With Lightning and Surge Protection for Wind Turbines sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Lightning and Surge Protection for Wind Turbines industry.

This Insight Report provides a comprehensive analysis of the global Lightning and Surge Protection for Wind Turbines 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 Lightning and Surge Protection for Wind Turbines portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Lightning and Surge Protection for Wind Turbines market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Lightning and Surge Protection for Wind Turbines 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 Lightning and Surge Protection for Wind Turbines.

United States market for Lightning and Surge Protection for Wind Turbines is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Lightning and Surge Protection for Wind Turbines is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Lightning and Surge Protection for Wind Turbines is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Lightning and Surge Protection for Wind Turbines players cover DEHN, ABB, Raycap, Schunk Carbon Technology, Polytech, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Lightning and Surge Protection for Wind Turbines market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Rotor Protection

External Lightning Protection for Nacelle

Surge Protection for Nacelle

Surge Protection in Tower Base

Earthing, Equipotential Bonding

Segmentation by Application:

Onshore Wind Turbine

Offshore Wind Turbine

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.

DEHN

ABB

Raycap

Schunk Carbon Technology

Polytech

nVent

Ingesco

Siemens

Dexmet

Lightning Master

Wind Power LAB

GEV Wind Power

Baltimore Wind Services

Wenzhou Arrester Electric

Key Questions Addressed in this Report

What is the 10-year outlook for the global Lightning and Surge Protection for Wind Turbines market?

What factors are driving Lightning and Surge Protection for Wind Turbines market growth, globally and by region?

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

How do Lightning and Surge Protection for Wind Turbines market opportunities vary by end market size?

How does Lightning and Surge Protection for Wind Turbines 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 Lightning and Surge Protection for Wind Turbines Annual Sales 2019-2030

- 2.1.2 World Current & Future Analysis for Lightning and Surge Protection for Wind Turbines by Geographic Region, 2019, 2023 & 2030

- 2.1.3 World Current & Future Analysis for Lightning and Surge Protection for Wind Turbines by Country/Region, 2019, 2023 & 2030

2.2 Lightning and Surge Protection for Wind Turbines Segment by Type

- 2.2.1 Rotor Protection

- 2.2.2 External Lightning Protection for Nacelle

- 2.2.3 Surge Protection for Nacelle

- 2.2.4 Surge Protection in Tower Base

- 2.2.5 Earthing, Equipotential Bonding

2.3 Lightning and Surge Protection for Wind Turbines Sales by Type

- 2.3.1 Global Lightning and Surge Protection for Wind Turbines Sales Market Share by Type (2019-2024)

- 2.3.2 Global Lightning and Surge Protection for Wind Turbines Revenue and Market Share by Type (2019-2024)

- 2.3.3 Global Lightning and Surge Protection for Wind Turbines Sale Price by Type (2019-2024)

2.4 Lightning and Surge Protection for Wind Turbines Segment by Application

- 2.4.1 Onshore Wind Turbine

- 2.4.2 Offshore Wind Turbine

2.5 Lightning and Surge Protection for Wind Turbines Sales by Application

2.5.1 Global Lightning and Surge Protection for Wind Turbines Sale Market Share by Application (2019-2024)

2.5.2 Global Lightning and Surge Protection for Wind Turbines Revenue and Market Share by Application (2019-2024)

2.5.3 Global Lightning and Surge Protection for Wind Turbines Sale Price by Application (2019-2024)

3 GLOBAL BY COMPANY

3.1 Global Lightning and Surge Protection for Wind Turbines Breakdown Data by Company

3.1.1 Global Lightning and Surge Protection for Wind Turbines Annual Sales by Company (2019-2024)

3.1.2 Global Lightning and Surge Protection for Wind Turbines Sales Market Share by Company (2019-2024)

3.2 Global Lightning and Surge Protection for Wind Turbines Annual Revenue by Company (2019-2024)

3.2.1 Global Lightning and Surge Protection for Wind Turbines Revenue by Company (2019-2024)

3.2.2 Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Company (2019-2024)

3.3 Global Lightning and Surge Protection for Wind Turbines Sale Price by Company

3.4 Key Manufacturers Lightning and Surge Protection for Wind Turbines Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Lightning and Surge Protection for Wind Turbines Product Location Distribution

3.4.2 Players Lightning and Surge Protection for Wind Turbines Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR LIGHTNING AND SURGE PROTECTION FOR WIND TURBINES BY GEOGRAPHIC REGION

4.1 World Historic Lightning and Surge Protection for Wind Turbines Market Size by Geographic Region (2019-2024)

4.1.1 Global Lightning and Surge Protection for Wind Turbines Annual Sales by

Geographic Region (2019-2024)

4.1.2 Global Lightning and Surge Protection for Wind Turbines Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Lightning and Surge Protection for Wind Turbines Market Size by Country/Region (2019-2024)

4.2.1 Global Lightning and Surge Protection for Wind Turbines Annual Sales by Country/Region (2019-2024)

4.2.2 Global Lightning and Surge Protection for Wind Turbines Annual Revenue by Country/Region (2019-2024)

4.3 Americas Lightning and Surge Protection for Wind Turbines Sales Growth

4.4 APAC Lightning and Surge Protection for Wind Turbines Sales Growth

4.5 Europe Lightning and Surge Protection for Wind Turbines Sales Growth

4.6 Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales Growth

5 AMERICAS

5.1 Americas Lightning and Surge Protection for Wind Turbines Sales by Country

5.1.1 Americas Lightning and Surge Protection for Wind Turbines Sales by Country (2019-2024)

5.1.2 Americas Lightning and Surge Protection for Wind Turbines Revenue by Country (2019-2024)

5.2 Americas Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024)

5.3 Americas Lightning and Surge Protection for Wind Turbines Sales by Application (2019-2024)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Lightning and Surge Protection for Wind Turbines Sales by Region

6.1.1 APAC Lightning and Surge Protection for Wind Turbines Sales by Region (2019-2024)

6.1.2 APAC Lightning and Surge Protection for Wind Turbines Revenue by Region (2019-2024)

6.2 APAC Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024)

6.3 APAC Lightning and Surge Protection for Wind Turbines Sales by Application (2019-2024)

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 Lightning and Surge Protection for Wind Turbines by Country

7.1.1 Europe Lightning and Surge Protection for Wind Turbines Sales by Country (2019-2024)

7.1.2 Europe Lightning and Surge Protection for Wind Turbines Revenue by Country (2019-2024)

7.2 Europe Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024)

7.3 Europe Lightning and Surge Protection for Wind Turbines Sales by Application (2019-2024)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Lightning and Surge Protection for Wind Turbines by Country

8.1.1 Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales by Country (2019-2024)

8.1.2 Middle East & Africa Lightning and Surge Protection for Wind Turbines Revenue by Country (2019-2024)

8.2 Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024)

8.3 Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales by Application (2019-2024)

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 Lightning and Surge Protection for Wind Turbines

10.3 Manufacturing Process Analysis of Lightning and Surge Protection for Wind Turbines

10.4 Industry Chain Structure of Lightning and Surge Protection for Wind Turbines

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Lightning and Surge Protection for Wind Turbines Distributors

11.3 Lightning and Surge Protection for Wind Turbines Customer

12 WORLD FORECAST REVIEW FOR LIGHTNING AND SURGE PROTECTION FOR WIND TURBINES BY GEOGRAPHIC REGION

12.1 Global Lightning and Surge Protection for Wind Turbines Market Size Forecast by Region

12.1.1 Global Lightning and Surge Protection for Wind Turbines Forecast by Region (2025-2030)

12.1.2 Global Lightning and Surge Protection for Wind Turbines Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country (2025-2030)

12.3 APAC Forecast by Region (2025-2030)

12.4 Europe Forecast by Country (2025-2030)

12.5 Middle East & Africa Forecast by Country (2025-2030)

12.6 Global Lightning and Surge Protection for Wind Turbines Forecast by Type (2025-2030)

12.7 Global Lightning and Surge Protection for Wind Turbines Forecast by Application (2025-2030)

13 KEY PLAYERS ANALYSIS

13.1 DEHN

13.1.1 DEHN Company Information

13.1.2 DEHN Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.1.3 DEHN Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)

13.1.4 DEHN Main Business Overview

13.1.5 DEHN Latest Developments

13.2 ABB

13.2.1 ABB Company Information

13.2.2 ABB Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.2.3 ABB Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 ABB Main Business Overview

13.2.5 ABB Latest Developments

13.3 Raycap

13.3.1 Raycap Company Information

13.3.2 Raycap Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.3.3 Raycap Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Raycap Main Business Overview

13.3.5 Raycap Latest Developments

13.4 Schunk Carbon Technology

13.4.1 Schunk Carbon Technology Company Information

13.4.2 Schunk Carbon Technology Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.4.3 Schunk Carbon Technology Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.4.4 Schunk Carbon Technology Main Business Overview
- 13.4.5 Schunk Carbon Technology Latest Developments
- 13.5 Polytech
 - 13.5.1 Polytech Company Information
 - 13.5.2 Polytech Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications
 - 13.5.3 Polytech Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.5.4 Polytech Main Business Overview
 - 13.5.5 Polytech Latest Developments
- 13.6 nVent
 - 13.6.1 nVent Company Information
 - 13.6.2 nVent Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications
 - 13.6.3 nVent Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 nVent Main Business Overview
 - 13.6.5 nVent Latest Developments
- 13.7 Ingesco
 - 13.7.1 Ingesco Company Information
 - 13.7.2 Ingesco Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications
 - 13.7.3 Ingesco Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Ingesco Main Business Overview
 - 13.7.5 Ingesco Latest Developments
- 13.8 Siemens
 - 13.8.1 Siemens Company Information
 - 13.8.2 Siemens Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications
 - 13.8.3 Siemens Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 Siemens Main Business Overview
 - 13.8.5 Siemens Latest Developments
- 13.9 Dexmet
 - 13.9.1 Dexmet Company Information
 - 13.9.2 Dexmet Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications
 - 13.9.3 Dexmet Lightning and Surge Protection for Wind Turbines Sales, Revenue,

Price and Gross Margin (2019-2024)

13.9.4 Dexmet Main Business Overview

13.9.5 Dexmet Latest Developments

13.10 Lightning Master

13.10.1 Lightning Master Company Information

13.10.2 Lightning Master Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.10.3 Lightning Master Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Lightning Master Main Business Overview

13.10.5 Lightning Master Latest Developments

13.11 Wind Power LAB

13.11.1 Wind Power LAB Company Information

13.11.2 Wind Power LAB Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.11.3 Wind Power LAB Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Wind Power LAB Main Business Overview

13.11.5 Wind Power LAB Latest Developments

13.12 GEV Wind Power

13.12.1 GEV Wind Power Company Information

13.12.2 GEV Wind Power Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.12.3 GEV Wind Power Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 GEV Wind Power Main Business Overview

13.12.5 GEV Wind Power Latest Developments

13.13 Balmore Wind Services

13.13.1 Balmore Wind Services Company Information

13.13.2 Balmore Wind Services Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.13.3 Balmore Wind Services Lightning and Surge Protection for Wind Turbines Sales, Revenue, Price and Gross Margin (2019-2024)

13.13.4 Balmore Wind Services Main Business Overview

13.13.5 Balmore Wind Services Latest Developments

13.14 Wenzhou Arrester Electric

13.14.1 Wenzhou Arrester Electric Company Information

13.14.2 Wenzhou Arrester Electric Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

13.14.3 Wenzhou Arrester Electric Lightning and Surge Protection for Wind Turbines
Sales, Revenue, Price and Gross Margin (2019-2024)

13.14.4 Wenzhou Arrester Electric Main Business Overview

13.14.5 Wenzhou Arrester Electric Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Lightning and Surge Protection for Wind Turbines Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Lightning and Surge Protection for Wind Turbines Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Rotor Protection

Table 4. Major Players of External Lightning Protection for Nacelle

Table 5. Major Players of Surge Protection for Nacelle

Table 6. Major Players of Surge Protection in Tower Base

Table 7. Major Players of Earthing, Equipotential Bonding

Table 8. Global Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024) & (Units)

Table 9. Global Lightning and Surge Protection for Wind Turbines Sales Market Share by Type (2019-2024)

Table 10. Global Lightning and Surge Protection for Wind Turbines Revenue by Type (2019-2024) & (\$ million)

Table 11. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Type (2019-2024)

Table 12. Global Lightning and Surge Protection for Wind Turbines Sale Price by Type (2019-2024) & (US\$/Unit)

Table 13. Global Lightning and Surge Protection for Wind Turbines Sale by Application (2019-2024) & (Units)

Table 14. Global Lightning and Surge Protection for Wind Turbines Sale Market Share by Application (2019-2024)

Table 15. Global Lightning and Surge Protection for Wind Turbines Revenue by Application (2019-2024) & (\$ million)

Table 16. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Application (2019-2024)

Table 17. Global Lightning and Surge Protection for Wind Turbines Sale Price by Application (2019-2024) & (US\$/Unit)

Table 18. Global Lightning and Surge Protection for Wind Turbines Sales by Company (2019-2024) & (Units)

Table 19. Global Lightning and Surge Protection for Wind Turbines Sales Market Share by Company (2019-2024)

Table 20. Global Lightning and Surge Protection for Wind Turbines Revenue by Company (2019-2024) & (\$ millions)

Table 21. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Company (2019-2024)

Table 22. Global Lightning and Surge Protection for Wind Turbines Sale Price by Company (2019-2024) & (US\$/Unit)

Table 23. Key Manufacturers Lightning and Surge Protection for Wind Turbines Producing Area Distribution and Sales Area

Table 24. Players Lightning and Surge Protection for Wind Turbines Products Offered

Table 25. Lightning and Surge Protection for Wind Turbines Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 26. New Products and Potential Entrants

Table 27. Market M&A Activity & Strategy

Table 28. Global Lightning and Surge Protection for Wind Turbines Sales by Geographic Region (2019-2024) & (Units)

Table 29. Global Lightning and Surge Protection for Wind Turbines Sales Market Share Geographic Region (2019-2024)

Table 30. Global Lightning and Surge Protection for Wind Turbines Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 31. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Geographic Region (2019-2024)

Table 32. Global Lightning and Surge Protection for Wind Turbines Sales by Country/Region (2019-2024) & (Units)

Table 33. Global Lightning and Surge Protection for Wind Turbines Sales Market Share by Country/Region (2019-2024)

Table 34. Global Lightning and Surge Protection for Wind Turbines Revenue by Country/Region (2019-2024) & (\$ millions)

Table 35. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Country/Region (2019-2024)

Table 36. Americas Lightning and Surge Protection for Wind Turbines Sales by Country (2019-2024) & (Units)

Table 37. Americas Lightning and Surge Protection for Wind Turbines Sales Market Share by Country (2019-2024)

Table 38. Americas Lightning and Surge Protection for Wind Turbines Revenue by Country (2019-2024) & (\$ millions)

Table 39. Americas Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024) & (Units)

Table 40. Americas Lightning and Surge Protection for Wind Turbines Sales by Application (2019-2024) & (Units)

Table 41. APAC Lightning and Surge Protection for Wind Turbines Sales by Region (2019-2024) & (Units)

- Table 42. APAC Lightning and Surge Protection for Wind Turbines Sales Market Share by Region (2019-2024)
- Table 43. APAC Lightning and Surge Protection for Wind Turbines Revenue by Region (2019-2024) & (\$ millions)
- Table 44. APAC Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024) & (Units)
- Table 45. APAC Lightning and Surge Protection for Wind Turbines Sales by Application (2019-2024) & (Units)
- Table 46. Europe Lightning and Surge Protection for Wind Turbines Sales by Country (2019-2024) & (Units)
- Table 47. Europe Lightning and Surge Protection for Wind Turbines Revenue by Country (2019-2024) & (\$ millions)
- Table 48. Europe Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024) & (Units)
- Table 49. Europe Lightning and Surge Protection for Wind Turbines Sales by Application (2019-2024) & (Units)
- Table 50. Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales by Country (2019-2024) & (Units)
- Table 51. Middle East & Africa Lightning and Surge Protection for Wind Turbines Revenue Market Share by Country (2019-2024)
- Table 52. Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales by Type (2019-2024) & (Units)
- Table 53. Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales by Application (2019-2024) & (Units)
- Table 54. Key Market Drivers & Growth Opportunities of Lightning and Surge Protection for Wind Turbines
- Table 55. Key Market Challenges & Risks of Lightning and Surge Protection for Wind Turbines
- Table 56. Key Industry Trends of Lightning and Surge Protection for Wind Turbines
- Table 57. Lightning and Surge Protection for Wind Turbines Raw Material
- Table 58. Key Suppliers of Raw Materials
- Table 59. Lightning and Surge Protection for Wind Turbines Distributors List
- Table 60. Lightning and Surge Protection for Wind Turbines Customer List
- Table 61. Global Lightning and Surge Protection for Wind Turbines Sales Forecast by Region (2025-2030) & (Units)
- Table 62. Global Lightning and Surge Protection for Wind Turbines Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 63. Americas Lightning and Surge Protection for Wind Turbines Sales Forecast by Country (2025-2030) & (Units)

- Table 64. Americas Lightning and Surge Protection for Wind Turbines Annual Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 65. APAC Lightning and Surge Protection for Wind Turbines Sales Forecast by Region (2025-2030) & (Units)
- Table 66. APAC Lightning and Surge Protection for Wind Turbines Annual Revenue Forecast by Region (2025-2030) & (\$ millions)
- Table 67. Europe Lightning and Surge Protection for Wind Turbines Sales Forecast by Country (2025-2030) & (Units)
- Table 68. Europe Lightning and Surge Protection for Wind Turbines Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 69. Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales Forecast by Country (2025-2030) & (Units)
- Table 70. Middle East & Africa Lightning and Surge Protection for Wind Turbines Revenue Forecast by Country (2025-2030) & (\$ millions)
- Table 71. Global Lightning and Surge Protection for Wind Turbines Sales Forecast by Type (2025-2030) & (Units)
- Table 72. Global Lightning and Surge Protection for Wind Turbines Revenue Forecast by Type (2025-2030) & (\$ millions)
- Table 73. Global Lightning and Surge Protection for Wind Turbines Sales Forecast by Application (2025-2030) & (Units)
- Table 74. Global Lightning and Surge Protection for Wind Turbines Revenue Forecast by Application (2025-2030) & (\$ millions)
- Table 75. DEHN Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors
- Table 76. DEHN Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications
- Table 77. DEHN Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 78. DEHN Main Business
- Table 79. DEHN Latest Developments
- Table 80. ABB Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors
- Table 81. ABB Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications
- Table 82. ABB Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)
- Table 83. ABB Main Business
- Table 84. ABB Latest Developments
- Table 85. Raycap Basic Information, Lightning and Surge Protection for Wind Turbines

Manufacturing Base, Sales Area and Its Competitors

Table 86. Raycap Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 87. Raycap Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 88. Raycap Main Business

Table 89. Raycap Latest Developments

Table 90. Schunk Carbon Technology Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 91. Schunk Carbon Technology Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 92. Schunk Carbon Technology Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 93. Schunk Carbon Technology Main Business

Table 94. Schunk Carbon Technology Latest Developments

Table 95. Polytech Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 96. Polytech Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 97. Polytech Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 98. Polytech Main Business

Table 99. Polytech Latest Developments

Table 100. nVent Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 101. nVent Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 102. nVent Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 103. nVent Main Business

Table 104. nVent Latest Developments

Table 105. Ingesco Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 106. Ingesco Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 107. Ingesco Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 108. Ingesco Main Business

Table 109. Ingesco Latest Developments

Table 110. Siemens Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 111. Siemens Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 112. Siemens Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 113. Siemens Main Business

Table 114. Siemens Latest Developments

Table 115. Dexmet Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 116. Dexmet Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 117. Dexmet Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 118. Dexmet Main Business

Table 119. Dexmet Latest Developments

Table 120. Lightning Master Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 121. Lightning Master Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 122. Lightning Master Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 123. Lightning Master Main Business

Table 124. Lightning Master Latest Developments

Table 125. Wind Power LAB Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 126. Wind Power LAB Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 127. Wind Power LAB Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 128. Wind Power LAB Main Business

Table 129. Wind Power LAB Latest Developments

Table 130. GEV Wind Power Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 131. GEV Wind Power Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 132. GEV Wind Power Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 133. GEV Wind Power Main Business

Table 134. GEV Wind Power Latest Developments

Table 135. Balmore Wind Services Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 136. Balmore Wind Services Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 137. Balmore Wind Services Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 138. Balmore Wind Services Main Business

Table 139. Balmore Wind Services Latest Developments

Table 140. Wenzhou Arrester Electric Basic Information, Lightning and Surge Protection for Wind Turbines Manufacturing Base, Sales Area and Its Competitors

Table 141. Wenzhou Arrester Electric Lightning and Surge Protection for Wind Turbines Product Portfolios and Specifications

Table 142. Wenzhou Arrester Electric Lightning and Surge Protection for Wind Turbines Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 143. Wenzhou Arrester Electric Main Business

Table 144. Wenzhou Arrester Electric Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Lightning and Surge Protection for Wind Turbines
- Figure 2. Lightning and Surge Protection for Wind Turbines Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Lightning and Surge Protection for Wind Turbines Sales Growth Rate 2019-2030 (Units)
- Figure 7. Global Lightning and Surge Protection for Wind Turbines Revenue Growth Rate 2019-2030 (\$ millions)
- Figure 8. Lightning and Surge Protection for Wind Turbines Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Figure 9. Lightning and Surge Protection for Wind Turbines Sales Market Share by Country/Region (2023)
- Figure 10. Lightning and Surge Protection for Wind Turbines Sales Market Share by Country/Region (2019, 2023 & 2030)
- Figure 11. Product Picture of Rotor Protection
- Figure 12. Product Picture of External Lightning Protection for Nacelle
- Figure 13. Product Picture of Surge Protection for Nacelle
- Figure 14. Product Picture of Surge Protection in Tower Base
- Figure 15. Product Picture of Earthing, Equipotential Bonding
- Figure 16. Global Lightning and Surge Protection for Wind Turbines Sales Market Share by Type in 2023
- Figure 17. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Type (2019-2024)
- Figure 18. Lightning and Surge Protection for Wind Turbines Consumed in Onshore Wind Turbine
- Figure 19. Global Lightning and Surge Protection for Wind Turbines Market: Onshore Wind Turbine (2019-2024) & (Units)
- Figure 20. Lightning and Surge Protection for Wind Turbines Consumed in Offshore Wind Turbine
- Figure 21. Global Lightning and Surge Protection for Wind Turbines Market: Offshore Wind Turbine (2019-2024) & (Units)
- Figure 22. Global Lightning and Surge Protection for Wind Turbines Sale Market Share by Application (2023)
- Figure 23. Global Lightning and Surge Protection for Wind Turbines Revenue Market

Share by Application in 2023

Figure 24. Lightning and Surge Protection for Wind Turbines Sales by Company in 2023 (Units)

Figure 25. Global Lightning and Surge Protection for Wind Turbines Sales Market Share by Company in 2023

Figure 26. Lightning and Surge Protection for Wind Turbines Revenue by Company in 2023 (\$ millions)

Figure 27. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Company in 2023

Figure 28. Global Lightning and Surge Protection for Wind Turbines Sales Market Share by Geographic Region (2019-2024)

Figure 29. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share by Geographic Region in 2023

Figure 30. Americas Lightning and Surge Protection for Wind Turbines Sales 2019-2024 (Units)

Figure 31. Americas Lightning and Surge Protection for Wind Turbines Revenue 2019-2024 (\$ millions)

Figure 32. APAC Lightning and Surge Protection for Wind Turbines Sales 2019-2024 (Units)

Figure 33. APAC Lightning and Surge Protection for Wind Turbines Revenue 2019-2024 (\$ millions)

Figure 34. Europe Lightning and Surge Protection for Wind Turbines Sales 2019-2024 (Units)

Figure 35. Europe Lightning and Surge Protection for Wind Turbines Revenue 2019-2024 (\$ millions)

Figure 36. Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales 2019-2024 (Units)

Figure 37. Middle East & Africa Lightning and Surge Protection for Wind Turbines Revenue 2019-2024 (\$ millions)

Figure 38. Americas Lightning and Surge Protection for Wind Turbines Sales Market Share by Country in 2023

Figure 39. Americas Lightning and Surge Protection for Wind Turbines Revenue Market Share by Country (2019-2024)

Figure 40. Americas Lightning and Surge Protection for Wind Turbines Sales Market Share by Type (2019-2024)

Figure 41. Americas Lightning and Surge Protection for Wind Turbines Sales Market Share by Application (2019-2024)

Figure 42. United States Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 43. Canada Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 44. Mexico Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 45. Brazil Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 46. APAC Lightning and Surge Protection for Wind Turbines Sales Market Share by Region in 2023

Figure 47. APAC Lightning and Surge Protection for Wind Turbines Revenue Market Share by Region (2019-2024)

Figure 48. APAC Lightning and Surge Protection for Wind Turbines Sales Market Share by Type (2019-2024)

Figure 49. APAC Lightning and Surge Protection for Wind Turbines Sales Market Share by Application (2019-2024)

Figure 50. China Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 51. Japan Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 52. South Korea Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 53. Southeast Asia Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 54. India Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 55. Australia Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 56. China Taiwan Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 57. Europe Lightning and Surge Protection for Wind Turbines Sales Market Share by Country in 2023

Figure 58. Europe Lightning and Surge Protection for Wind Turbines Revenue Market Share by Country (2019-2024)

Figure 59. Europe Lightning and Surge Protection for Wind Turbines Sales Market Share by Type (2019-2024)

Figure 60. Europe Lightning and Surge Protection for Wind Turbines Sales Market Share by Application (2019-2024)

Figure 61. Germany Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 62. France Lightning and Surge Protection for Wind Turbines Revenue Growth

2019-2024 (\$ millions)

Figure 63. UK Lightning and Surge Protection for Wind Turbines Revenue Growth

2019-2024 (\$ millions)

Figure 64. Italy Lightning and Surge Protection for Wind Turbines Revenue Growth

2019-2024 (\$ millions)

Figure 65. Russia Lightning and Surge Protection for Wind Turbines Revenue Growth

2019-2024 (\$ millions)

Figure 66. Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales Market Share by Country (2019-2024)

Figure 67. Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales Market Share by Type (2019-2024)

Figure 68. Middle East & Africa Lightning and Surge Protection for Wind Turbines Sales Market Share by Application (2019-2024)

Figure 69. Egypt Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 70. South Africa Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 71. Israel Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 72. Turkey Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 73. GCC Countries Lightning and Surge Protection for Wind Turbines Revenue Growth 2019-2024 (\$ millions)

Figure 74. Manufacturing Cost Structure Analysis of Lightning and Surge Protection for Wind Turbines in 2023

Figure 75. Manufacturing Process Analysis of Lightning and Surge Protection for Wind Turbines

Figure 76. Industry Chain Structure of Lightning and Surge Protection for Wind Turbines

Figure 77. Channels of Distribution

Figure 78. Global Lightning and Surge Protection for Wind Turbines Sales Market Forecast by Region (2025-2030)

Figure 79. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share Forecast by Region (2025-2030)

Figure 80. Global Lightning and Surge Protection for Wind Turbines Sales Market Share Forecast by Type (2025-2030)

Figure 81. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share Forecast by Type (2025-2030)

Figure 82. Global Lightning and Surge Protection for Wind Turbines Sales Market Share Forecast by Application (2025-2030)

Figure 83. Global Lightning and Surge Protection for Wind Turbines Revenue Market Share Forecast by Application (2025-2030)

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