

Global Wind Turbine Gearbox Market Analysis and Forecast 2024-2030

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Abstracts

Wind Turbine Gearbox is an important mechanical components, and its main function is to wind round the momentum generated by wind is passed to the generator and make the appropriate speed. Usually wind wheel speed is very low, far less than required by the generator speed, the growth rate effect of the gearbox gear vice, so the gearbox will also be called a growth box. According to the general layout of the unit, sometimes the wind turbine wheel is directly connected to the drive shaft (commonly known as the shaft) and the gear box together as one, shaft and gearbox are arranged, during which the tension device or coupling connected structure. Brakes in order to increase the braking capacity of the unit, often set in the input or output of the gearbox, with the tip brake (fixed pitch wind wheel) or pitch from the brake to the unit drive system combined braking.

According to APO Research, The global Wind Turbine Gearbox market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

Global Wind Turbine Gearbox key players include Siemens, China Transmission, ZF, etc. Global top three manufacturers hold a share about 75%.

China is the largest market, with a share over 35%, followed by North America and Europe, both have a share over 45 percent.

In terms of product,

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Wind Turbine Gearbox Market by Type
 - 1.2.1 Global Wind Turbine Gearbox Market Size by Type, 2019 VS 2023 VS 2030
 - 1.2.2 1.5 MW-3 MW
 - 1.2.3 3 MW
- 1.3 Wind Turbine Gearbox Market by Application
 - 1.3.1 Global Wind Turbine Gearbox Market Size by Application, 2019 VS 2023 VS 2030
 - 1.3.2 In-land
 - 1.3.3 Off-shore
- 1.4 Assumptions and Limitations
- 1.5 Study Goals and Objectives

2 WIND TURBINE GEARBOX MARKET DYNAMICS

- 2.1 Wind Turbine Gearbox Industry Trends
- 2.2 Wind Turbine Gearbox Industry Drivers
- 2.3 Wind Turbine Gearbox Industry Opportunities and Challenges
- 2.4 Wind Turbine Gearbox Industry Restraints

3 GLOBAL WIND TURBINE GEARBOX PRODUCTION OVERVIEW

- 3.1 Global Wind Turbine Gearbox Production Capacity (2019-2030)
- 3.2 Global Wind Turbine Gearbox Production by Region: 2019 VS 2023 VS 2030
- 3.3 Global Wind Turbine Gearbox Production by Region
 - 3.3.1 Global Wind Turbine Gearbox Production by Region (2019-2024)
 - 3.3.2 Global Wind Turbine Gearbox Production by Region (2025-2030)
 - 3.3.3 Global Wind Turbine Gearbox Production Market Share by Region (2019-2030)
- 3.4 North America
- 3.5 Europe
- 3.6 China
- 3.7 Japan

4 GLOBAL MARKET GROWTH PROSPECTS

- 4.1 Global Wind Turbine Gearbox Revenue Estimates and Forecasts (2019-2030)
- 4.2 Global Wind Turbine Gearbox Revenue by Region
 - 4.2.1 Global Wind Turbine Gearbox Revenue by Region: 2019 VS 2023 VS 2030
 - 4.2.2 Global Wind Turbine Gearbox Revenue by Region (2019-2024)
 - 4.2.3 Global Wind Turbine Gearbox Revenue by Region (2025-2030)
 - 4.2.4 Global Wind Turbine Gearbox Revenue Market Share by Region (2019-2030)
- 4.3 Global Wind Turbine Gearbox Sales Estimates and Forecasts 2019-2030
- 4.4 Global Wind Turbine Gearbox Sales by Region
 - 4.4.1 Global Wind Turbine Gearbox Sales by Region: 2019 VS 2023 VS 2030
 - 4.4.2 Global Wind Turbine Gearbox Sales by Region (2019-2024)
 - 4.4.3 Global Wind Turbine Gearbox Sales by Region (2025-2030)
 - 4.4.4 Global Wind Turbine Gearbox Sales Market Share by Region (2019-2030)
- 4.5 US & Canada
- 4.6 Europe
- 4.7 China
- 4.8 Asia (Excluding China)
- 4.9 Middle East, Africa and Latin America

5 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 5.1 Global Wind Turbine Gearbox Revenue by Manufacturers
 - 5.1.1 Global Wind Turbine Gearbox Revenue by Manufacturers (2019-2024)
 - 5.1.2 Global Wind Turbine Gearbox Revenue Market Share by Manufacturers (2019-2024)
 - 5.1.3 Global Wind Turbine Gearbox Manufacturers Revenue Share Top 10 and Top 5 in 2023
- 5.2 Global Wind Turbine Gearbox Sales by Manufacturers
 - 5.2.1 Global Wind Turbine Gearbox Sales by Manufacturers (2019-2024)
 - 5.2.2 Global Wind Turbine Gearbox Sales Market Share by Manufacturers (2019-2024)
 - 5.2.3 Global Wind Turbine Gearbox Manufacturers Sales Share Top 10 and Top 5 in 2023
- 5.3 Global Wind Turbine Gearbox Sales Price by Manufacturers (2019-2024)
- 5.4 Global Wind Turbine Gearbox Key Manufacturers Ranking, 2022 VS 2023 VS 2024
- 5.5 Global Wind Turbine Gearbox Key Manufacturers Manufacturing Sites & Headquarters
- 5.6 Global Wind Turbine Gearbox Manufacturers, Product Type & Application
- 5.7 Global Wind Turbine Gearbox Manufacturers Commercialization Time
- 5.8 Market Competitive Analysis

5.8.1 Global Wind Turbine Gearbox Market CR5 and HHI

5.8.2 2023 Wind Turbine Gearbox Tier 1, Tier 2, and Tier

6 WIND TURBINE GEARBOX MARKET BY TYPE

6.1 Global Wind Turbine Gearbox Revenue by Type

6.1.1 Global Wind Turbine Gearbox Revenue by Type (2019 VS 2023 VS 2030)

6.1.2 Global Wind Turbine Gearbox Revenue by Type (2019-2030) & (US\$ Million)

6.1.3 Global Wind Turbine Gearbox Revenue Market Share by Type (2019-2030)

6.2 Global Wind Turbine Gearbox Sales by Type

6.2.1 Global Wind Turbine Gearbox Sales by Type (2019 VS 2023 VS 2030)

6.2.2 Global Wind Turbine Gearbox Sales by Type (2019-2030) & (MW)

6.2.3 Global Wind Turbine Gearbox Sales Market Share by Type (2019-2030)

6.3 Global Wind Turbine Gearbox Price by Type

7 WIND TURBINE GEARBOX MARKET BY APPLICATION

7.1 Global Wind Turbine Gearbox Revenue by Application

7.1.1 Global Wind Turbine Gearbox Revenue by Application (2019 VS 2023 VS 2030)

7.1.2 Global Wind Turbine Gearbox Revenue by Application (2019-2030) & (US\$ Million)

7.1.3 Global Wind Turbine Gearbox Revenue Market Share by Application (2019-2030)

7.2 Global Wind Turbine Gearbox Sales by Application

7.2.1 Global Wind Turbine Gearbox Sales by Application (2019 VS 2023 VS 2030)

7.2.2 Global Wind Turbine Gearbox Sales by Application (2019-2030) & (MW)

7.2.3 Global Wind Turbine Gearbox Sales Market Share by Application (2019-2030)

7.3 Global Wind Turbine Gearbox Price by Application

8 COMPANY PROFILES

8.1 Siemens

8.1.1 Siemens Company Information

8.1.2 Siemens Business Overview

8.1.3 Siemens Wind Turbine Gearbox Sales, Revenue, Price and Gross Margin (2019-2024)

8.1.4 Siemens Wind Turbine Gearbox Product Portfolio

8.1.5 Siemens Recent Developments

8.2 China Transmission

- 8.2.1 China Transmission Company Information
- 8.2.2 China Transmission Business Overview
- 8.2.3 China Transmission Wind Turbine Gearbox Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.2.4 China Transmission Wind Turbine Gearbox Product Portfolio
- 8.2.5 China Transmission Recent Developments
- 8.3 ZF
 - 8.3.1 ZF Company Information
 - 8.3.2 ZF Business Overview
 - 8.3.3 ZF Wind Turbine Gearbox Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.3.4 ZF Wind Turbine Gearbox Product Portfolio
 - 8.3.5 ZF Recent Developments
- 8.4 Moventas
 - 8.4.1 Moventas Company Information
 - 8.4.2 Moventas Business Overview
 - 8.4.3 Moventas Wind Turbine Gearbox Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.4.4 Moventas Wind Turbine Gearbox Product Portfolio
 - 8.4.5 Moventas Recent Developments
- 8.5 VOITH
 - 8.5.1 VOITH Company Information
 - 8.5.2 VOITH Business Overview
 - 8.5.3 VOITH Wind Turbine Gearbox Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.5.4 VOITH Wind Turbine Gearbox Product Portfolio
 - 8.5.5 VOITH Recent Developments
- 8.6 Allen Gears
 - 8.6.1 Allen Gears Company Information
 - 8.6.2 Allen Gears Business Overview
 - 8.6.3 Allen Gears Wind Turbine Gearbox Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.6.4 Allen Gears Wind Turbine Gearbox Product Portfolio
 - 8.6.5 Allen Gears Recent Developments

9 NORTH AMERICA

- 9.1 North America Wind Turbine Gearbox Market Size by Type
 - 9.1.1 North America Wind Turbine Gearbox Revenue by Type (2019-2030)
 - 9.1.2 North America Wind Turbine Gearbox Sales by Type (2019-2030)

- 9.1.3 North America Wind Turbine Gearbox Price by Type (2019-2030)
- 9.2 North America Wind Turbine Gearbox Market Size by Application
 - 9.2.1 North America Wind Turbine Gearbox Revenue by Application (2019-2030)
 - 9.2.2 North America Wind Turbine Gearbox Sales by Application (2019-2030)
 - 9.2.3 North America Wind Turbine Gearbox Price by Application (2019-2030)
- 9.3 North America Wind Turbine Gearbox Market Size by Country
 - 9.3.1 North America Wind Turbine Gearbox Revenue Grow Rate by Country (2019 VS 2023 VS 2030)
 - 9.3.2 North America Wind Turbine Gearbox Sales by Country (2019 VS 2023 VS 2030)
 - 9.3.3 North America Wind Turbine Gearbox Price by Country (2019-2030)
 - 9.3.4 U.S.
 - 9.3.5 Canada

10 EUROPE

- 10.1 Europe Wind Turbine Gearbox Market Size by Type
 - 10.1.1 Europe Wind Turbine Gearbox Revenue by Type (2019-2030)
 - 10.1.2 Europe Wind Turbine Gearbox Sales by Type (2019-2030)
 - 10.1.3 Europe Wind Turbine Gearbox Price by Type (2019-2030)
- 10.2 Europe Wind Turbine Gearbox Market Size by Application
 - 10.2.1 Europe Wind Turbine Gearbox Revenue by Application (2019-2030)
 - 10.2.2 Europe Wind Turbine Gearbox Sales by Application (2019-2030)
 - 10.2.3 Europe Wind Turbine Gearbox Price by Application (2019-2030)
- 10.3 Europe Wind Turbine Gearbox Market Size by Country
 - 10.3.1 Europe Wind Turbine Gearbox Revenue Grow Rate by Country (2019 VS 2023 VS 2030)
 - 10.3.2 Europe Wind Turbine Gearbox Sales by Country (2019 VS 2023 VS 2030)
 - 10.3.3 Europe Wind Turbine Gearbox Price by Country (2019-2030)
 - 10.3.4 Germany
 - 10.3.5 France
 - 10.3.6 U.K.
 - 10.3.7 Italy
 - 10.3.8 Russia

11 CHINA

- 11.1 China Wind Turbine Gearbox Market Size by Type
 - 11.1.1 China Wind Turbine Gearbox Revenue by Type (2019-2030)

- 11.1.2 China Wind Turbine Gearbox Sales by Type (2019-2030)
- 11.1.3 China Wind Turbine Gearbox Price by Type (2019-2030)
- 11.2 China Wind Turbine Gearbox Market Size by Application
 - 11.2.1 China Wind Turbine Gearbox Revenue by Application (2019-2030)
 - 11.2.2 China Wind Turbine Gearbox Sales by Application (2019-2030)
 - 11.2.3 China Wind Turbine Gearbox Price by Application (2019-2030)

12 ASIA (EXCLUDING CHINA)

- 12.1 Asia Wind Turbine Gearbox Market Size by Type
 - 12.1.1 Asia Wind Turbine Gearbox Revenue by Type (2019-2030)
 - 12.1.2 Asia Wind Turbine Gearbox Sales by Type (2019-2030)
 - 12.1.3 Asia Wind Turbine Gearbox Price by Type (2019-2030)
- 12.2 Asia Wind Turbine Gearbox Market Size by Application
 - 12.2.1 Asia Wind Turbine Gearbox Revenue by Application (2019-2030)
 - 12.2.2 Asia Wind Turbine Gearbox Sales by Application (2019-2030)
 - 12.2.3 Asia Wind Turbine Gearbox Price by Application (2019-2030)
- 12.3 Asia Wind Turbine Gearbox Market Size by Country
 - 12.3.1 Asia Wind Turbine Gearbox Revenue Grow Rate by Country (2019 VS 2023 VS 2030)
 - 12.3.2 Asia Wind Turbine Gearbox Sales by Country (2019 VS 2023 VS 2030)
 - 12.3.3 Asia Wind Turbine Gearbox Price by Country (2019-2030)
 - 12.3.4 Japan
 - 12.3.5 South Korea
 - 12.3.6 India
 - 12.3.7 Australia
 - 12.3.8 China Taiwan
 - 12.3.9 Southeast Asia

13 MIDDLE EAST, AFRICA AND LATIN AMERICA

- 13.1 Middle East, Africa and Latin America Wind Turbine Gearbox Market Size by Type
 - 13.1.1 Middle East, Africa and Latin America Wind Turbine Gearbox Revenue by Type (2019-2030)
 - 13.1.2 Middle East, Africa and Latin America Wind Turbine Gearbox Sales by Type (2019-2030)
 - 13.1.3 Middle East, Africa and Latin America Wind Turbine Gearbox Price by Type (2019-2030)
- 13.2 Middle East, Africa and Latin America Wind Turbine Gearbox Market Size by

Application

13.2.1 Middle East, Africa and Latin America Wind Turbine Gearbox Revenue by Application (2019-2030)

13.2.2 Middle East, Africa and Latin America Wind Turbine Gearbox Sales by Application (2019-2030)

13.2.3 Middle East, Africa and Latin America Wind Turbine Gearbox Price by Application (2019-2030)

13.3 Middle East, Africa and Latin America Wind Turbine Gearbox Market Size by Country

13.3.1 Middle East, Africa and Latin America Wind Turbine Gearbox Revenue Growth Rate by Country (2019 VS 2023 VS 2030)

13.3.2 Middle East, Africa and Latin America Wind Turbine Gearbox Sales by Country (2019 VS 2023 VS 2030)

13.3.3 Middle East, Africa and Latin America Wind Turbine Gearbox Price by Country (2019-2030)

13.3.4 Mexico

13.3.5 Brazil

13.3.6 Israel

13.3.7 Argentina

13.3.8 Colombia

13.3.9 Turkey

13.3.10 Saudi Arabia

13.3.11 UAE

14 VALUE CHAIN AND SALES CHANNELS ANALYSIS

14.1 Wind Turbine Gearbox Value Chain Analysis

14.1.1 Wind Turbine Gearbox Key Raw Materials

14.1.2 Raw Materials Key Suppliers

14.1.3 Manufacturing Cost Structure

14.1.4 Wind Turbine Gearbox Production Mode & Process

14.2 Wind Turbine Gearbox Sales Channels Analysis

14.2.1 Direct Comparison with Distribution Share

14.2.2 Wind Turbine Gearbox Distributors

14.2.3 Wind Turbine Gearbox Customers

15 CONCLUDING INSIGHTS

16 APPENDIX

16.1 Reasons for Doing This Study

16.2 Research Methodology

16.3 Research Process

16.4 Authors List of This Report

16.5 Data Source

16.5.1 Secondary Sources

16.5.2 Primary Sources

16.6 Disclaimer

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