

Global Wind Turbine Market:
Analysis By Location (Onshore and
Offshore), By Axis (Horizontal and
Vertical), By Component (Rotator
Blade, Generator, Gearbox, Nacelle
and Others), By Application (Utility
and Non Utility), By Region, Size and
Trends with Impact of COVID-19 and
Forecast up to 2026

July 2022



Global Wind Turbine Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact Of COVID 19

Dynamics

Competitive Landscape

Company Profiling

Global Wind Turbine Market: Coverage

Scope of the Report

Attributes	Details
Title	Global Wind Turbine Market: Analysis By Location (Onshore and Offshore), By Axis (Horizontal and Vertical), By Component (Rotator Blade, Generator, Gearbox, Nacelle and Others), By Application (Utility and Non Utility), By Region, Size and Trends with Impact of COVID-19 and Forecast up to 2026
Coverage	Global and Regional
Regional Coverage	Asia Pacific, Europe, North America, Latin America and Middle East and Africa
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2026
Competition in the Market	Moderately Concentrated
Key Players	General Electric Company (GE), Vestas Wind Systems A/S, Siemens Gamesa Renewable Energy, Nordex SE, Suzlon Energy Ltd., Xinjiang Goldwind Science & Technology Co., Ltd., Guodian Technology & Environment Group Corporation Ltd, Shanghai Electric Group Company Ltd., Ming Yang Smart Energy Group Ltd., Enercon GmbH, Envision Energy and Zhejiang Windey Co., Ltd.

Global Wind Turbine Market

Executive Summary

Wind power is a type of renewable energy. As various governments are adopting initiatives to combat the climate change renewable energy is experiencing great growth. Compared to many other energy sources, producing energy from the wind has lesser impact on the environment. With few exceptions, wind turbines do not emit pollutants that can harm the environment. Additionally, wind turbines may lessen the amount of fossil fuels used to generate energy, which lowers overall air pollution and carbon dioxide emissions. Wind turbines are mechanical devices used in wind power plants. Wind turbine uses the aerodynamic force of rotor blades, which function similarly to an aero plane wing or a helicopter rotor blade, to transform wind energy into electricity. The global wind turbine market was valued at US\$70.54 billion in 2021, and is expected to be worth US\$94.26 billion in 2026.

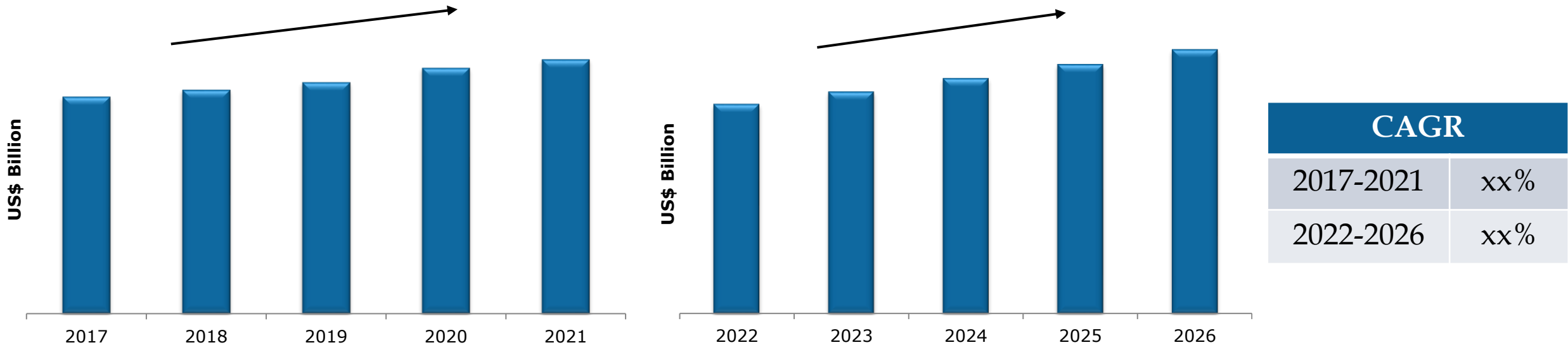
Global wind turbine market can be segmented on the basis of location, axis, component and application. Among the Location, it is anticipated that the offshore location would experience a significant growth, rising at a CAGR of 7.76%. Advantages of the offshore wind turbine include increased power output as a result of steady wind flow and speedy installation of the turbines. As large corporations in the nations turn to adopting renewable and clean energy sources, the installation of offshore wind turbines is anticipated to increase during the forecast period.

Like many sectors, COVID-19 has also impacted the energy sector and threatened to derail efforts implemented to speed up the transition to clean energy. The wind turbine market, was also imparted by the pandemic in the initial stage due to investment curbs and supply chain disruptions caused through unavailability of workforce. But in the 2nd half, the impact of the pandemic was alleviated by favorable government policies and robust demand pulled by increased awareness of the people towards clean energy sources.

Global wind turbine market is expected to show significant increase during the forecasted period, i.e. from 2022 to 2026. The growth can be attributed to declining levelized cost of energy (LCOE), increasing investments, federal and state policy support, road to net zero, and wind turbine financing. However, some challenges are also impeding the growth of the market such as high entry barriers, high maintenance and challenges with turbine blades.

Wind Turbine Market: Global Analysis

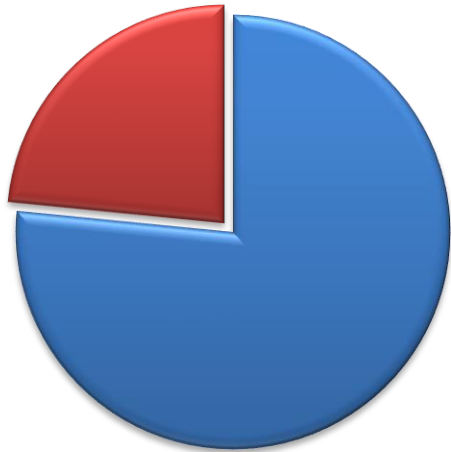
Global Wind Turbine Market by Value



Global wind turbine market was valued at US\$... billion in 2021 and is anticipated to reach up to US\$... billion by 2026 from US\$... billion in 2022, with a CAGR of xx%.

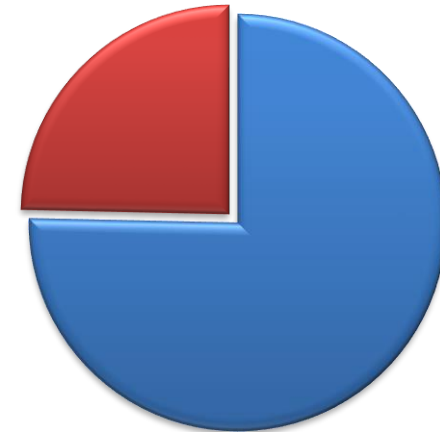
Wind Turbine Market: Global Analysis

Global Wind Turbine Market by Location; 2021



Location	Share
Onshore	xx%
Offshore	xx%

Global Wind Turbine Market by Axis; 2021



Axis	Share
Horizontal Axis	xx%
Vertical Axis	xx%

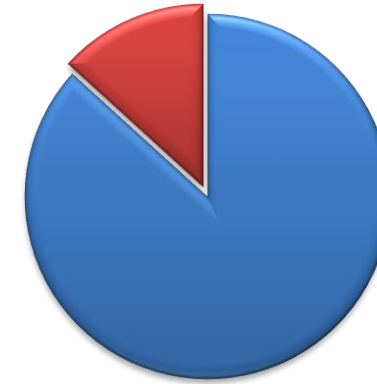
Wind Turbine Market: Global Analysis

Global Wind Turbine Market by Component; 2021



Component	Share
Rotator Blade	xx%
Generator	xx%
Gearbox	xx%
Nacelle	xx%
Others	xx%

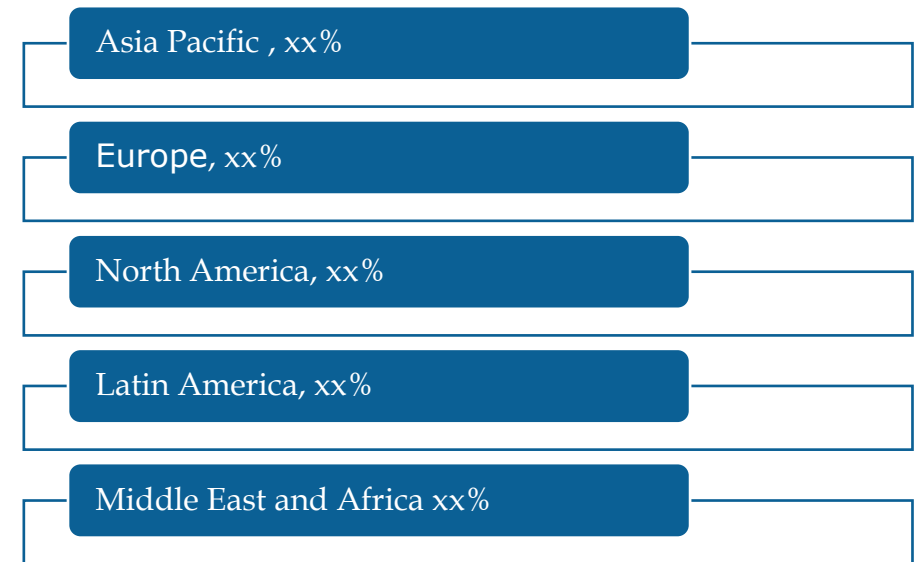
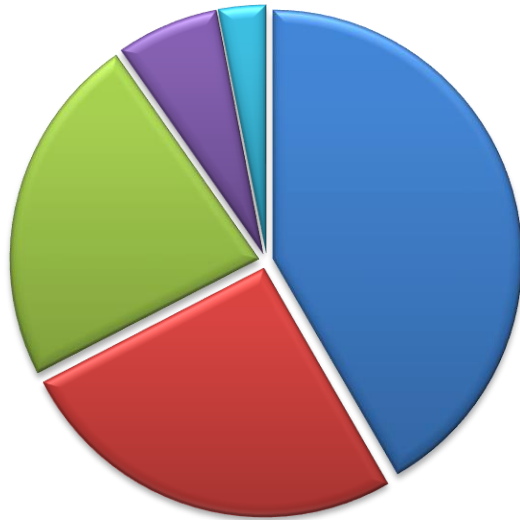
Global Wind Turbine Market by Application; 2021



Application	Share
Utility	xx%
Non Utility	xx%

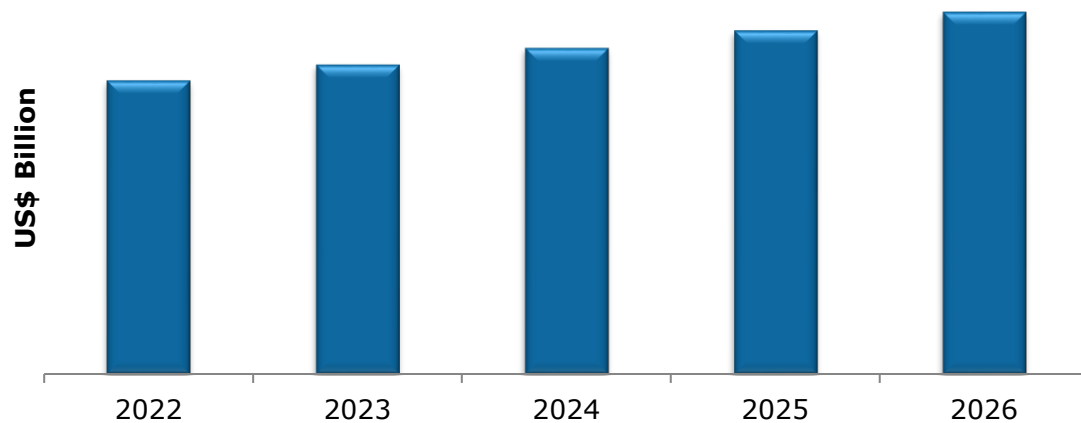
Wind Turbine Market: Global Analysis

Global Wind Turbine Market by Region; 2021

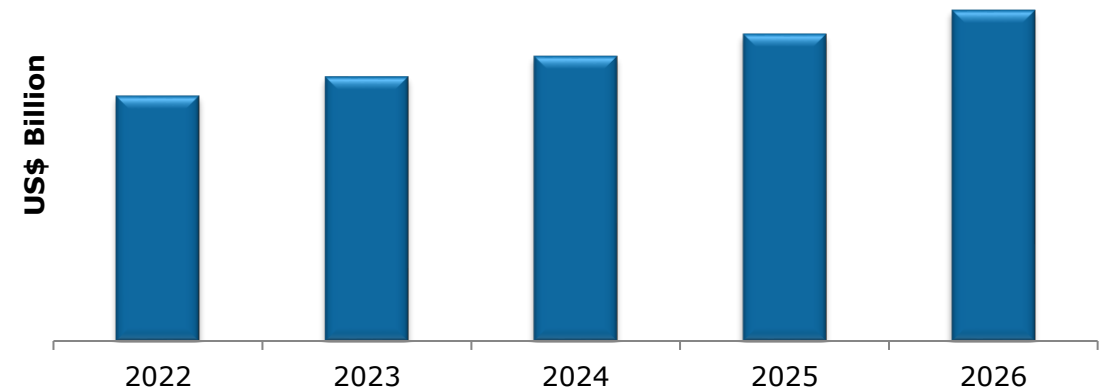


Wind Turbine Market: Location Analysis

Global Onshore Wind Turbine Market by Value



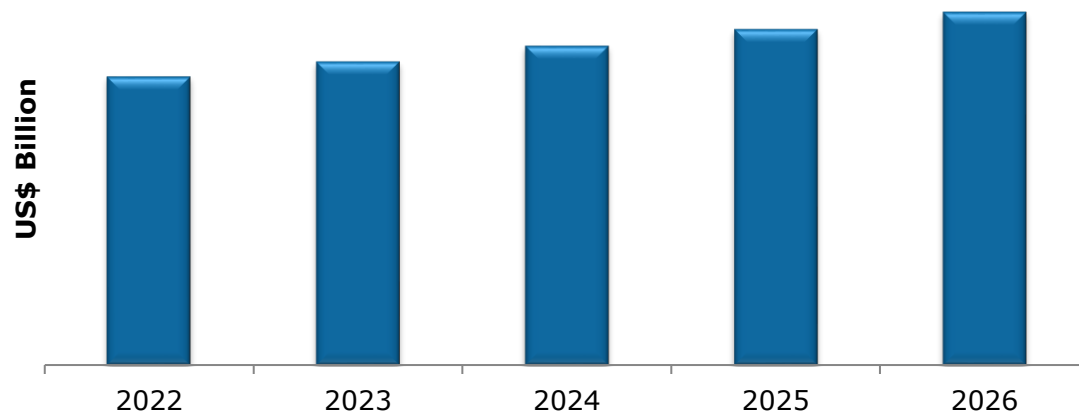
Global Offshore Wind Turbine Market by Value



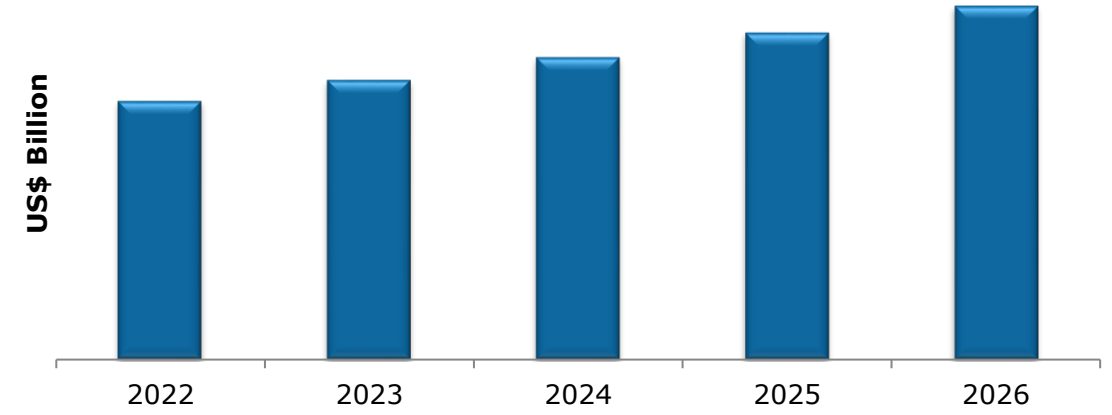
Location	CAGR (2022-2026)
Onshore	xx%
Offshore	xx%

Wind Turbine Market: Axis Analysis

Global Horizontal Wind Turbine Market by Value



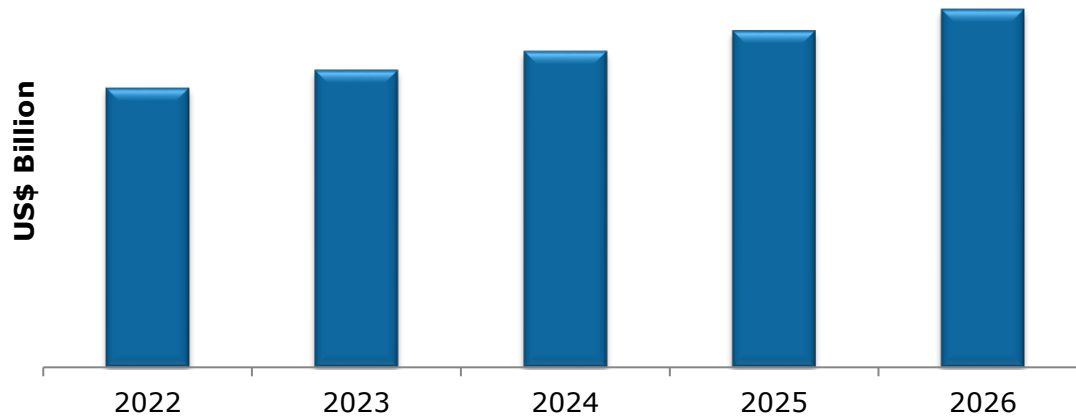
Global Vertical Wind Turbine Market by Value



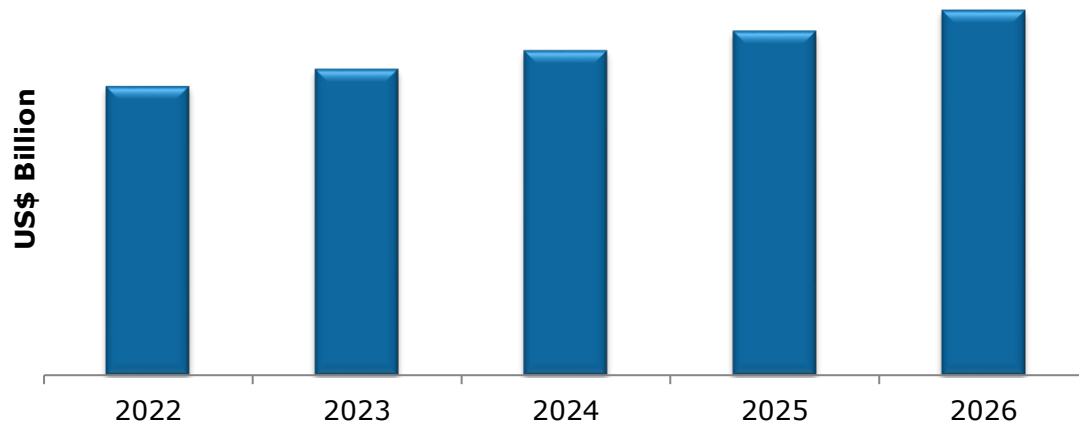
Axis	CAGR (2022-2026)
Horizontal Axis	xx%
Vertical Axis	xx%

Wind Turbine Market: Component Analysis

Global Wind Turbine Rotator Blade Market by Value



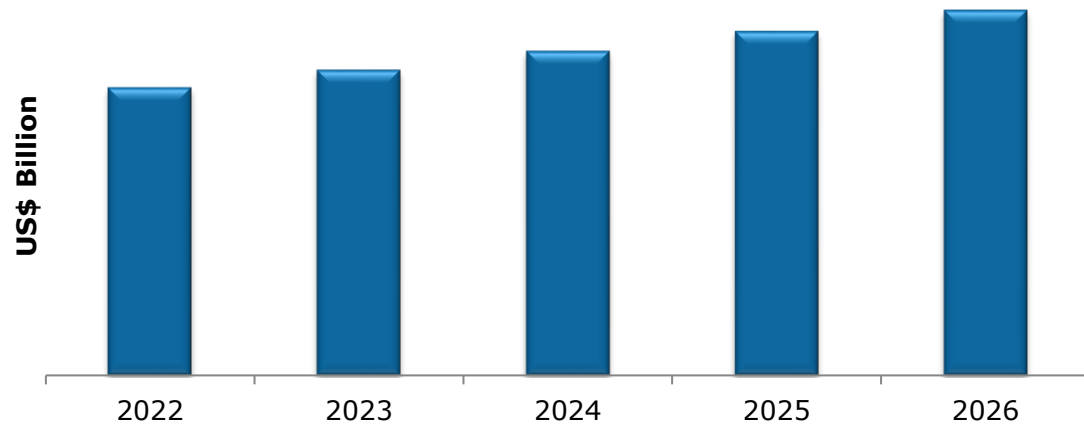
Global Wind Turbine Generator Market by Value



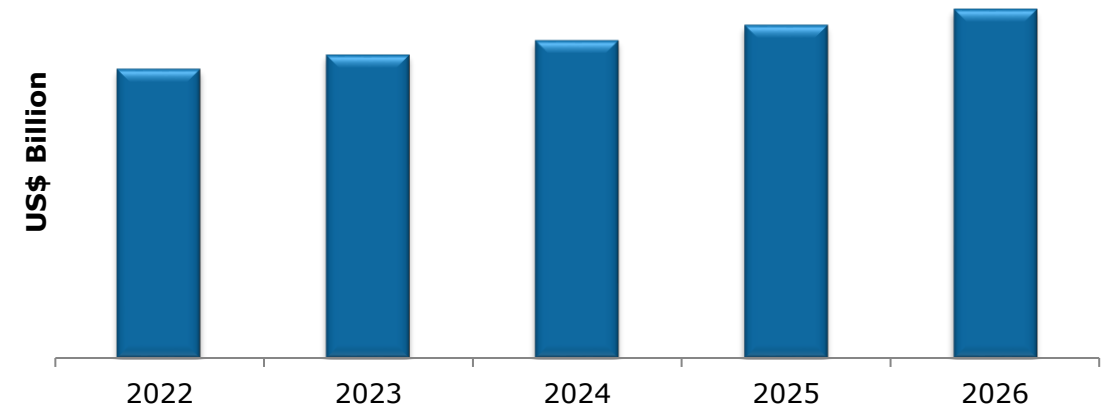
Component	CAGR (2022-2026)
Rotator Blade	xx%
Generator	xx%
Gearbox	xx%
Nacelle	xx%
Others	xx%

Wind Turbine Market: Application Analysis

Global Utility Wind Turbine Market by Value



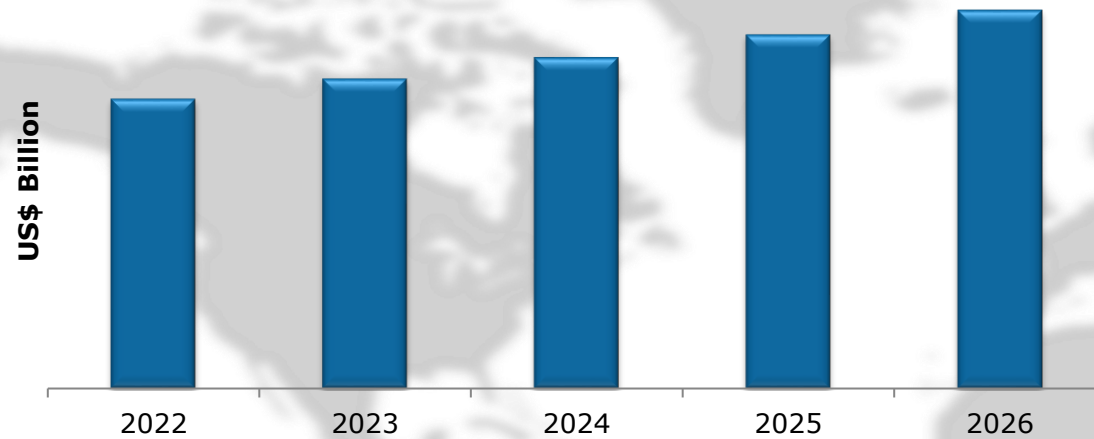
Global Non Utility Wind Turbine Market by Value



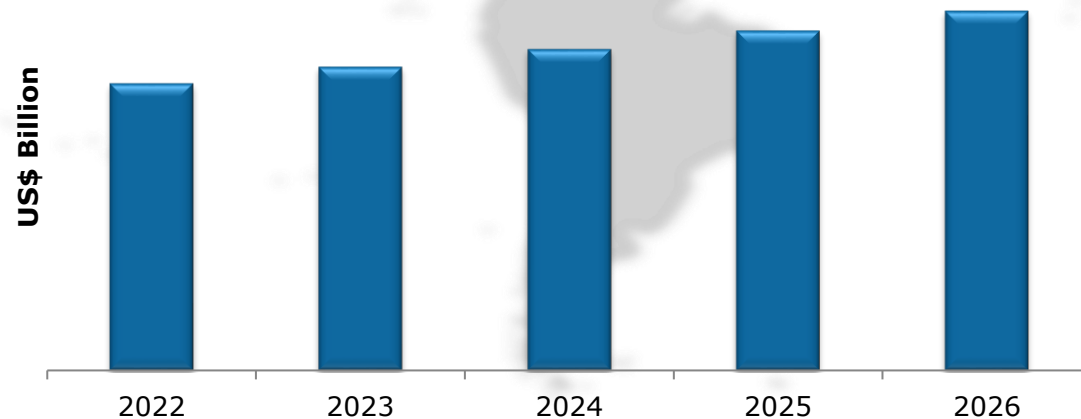
Application	CAGR (2022-2026)
Utility	xx%
Non Utility	xx%

Wind Turbine Market: Regional Analysis

Asia Pacific Wind Turbine Market by Value



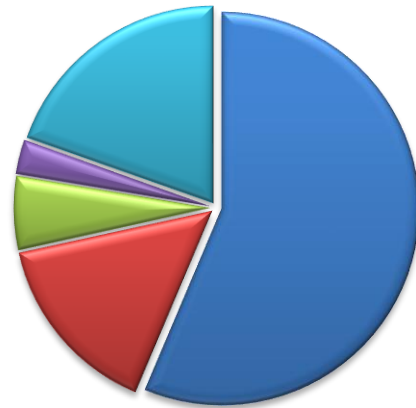
Europe Wind Turbine Market by Value



Region	CAGR (2022-2026)
Asia Pacific	xx%
Europe	xx%
North America	xx%
Latin America	xx%
Middle East and Africa	xx

Asia Pacific Wind Turbine Market: An Analysis

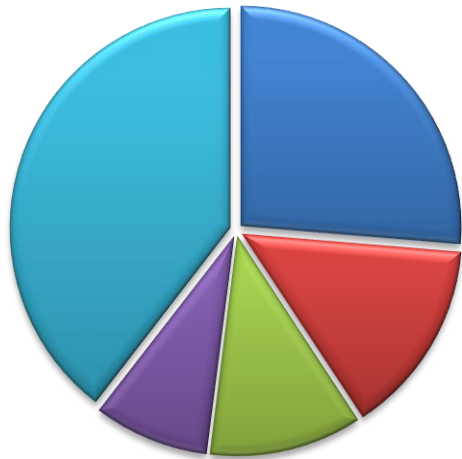
Asia Pacific Wind Turbine Market by Region; 2021



Region	Share (2021)	CAGR (2022-2026)
China	xx%	xx%
India	xx%	xx%
Australia	xx%	xx%
Japan	xx%	xx%
Rest of Asia Pacific	xx%	xx%

Europe Wind Turbine Market: An Analysis

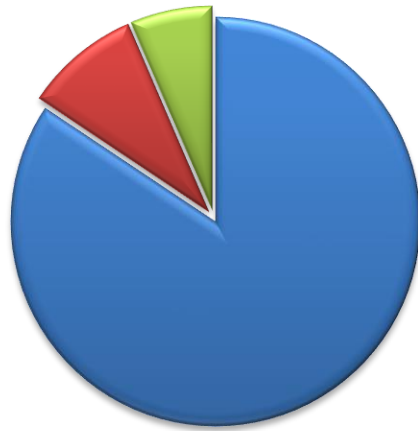
Europe Wind Turbine Market by Region; 2021



Region	Share (2021)	CAGR (2022-2026)
Germany	xx%	xx%
UK	xx%	xx%
Spain	xx%	xx%
France	xx%	xx%
Rest of Europe	xx%	xx%

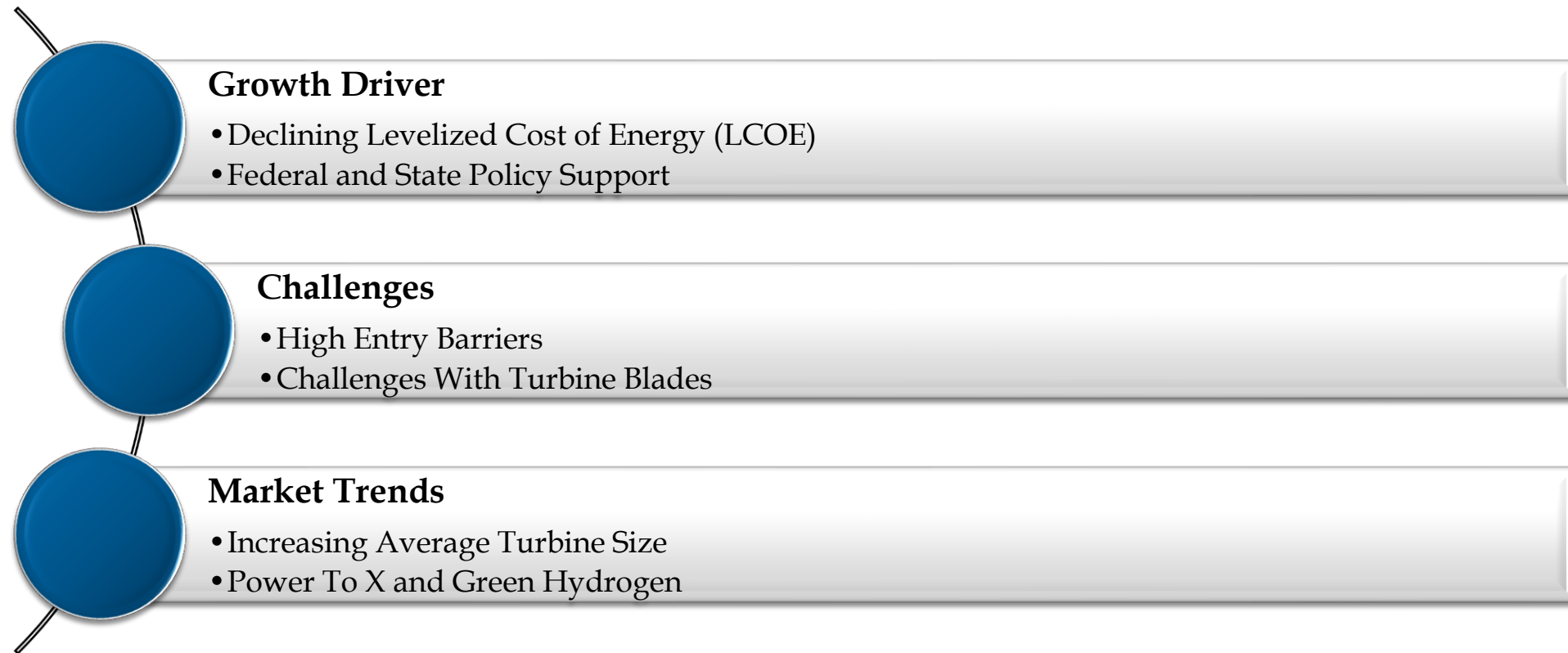
North America Wind Turbine Market: An Analysis

North America Wind Turbine Market by Region; 2021



Region	Share (2021)	CAGR (2022-2026)
The US	xx%	xx%
Canada	xx%	xx%
Mexico	xx%	xx%

Global Wind Turbine Market: Dynamics



Global Wind Turbine Market: Competitive Landscape

Players Profiled

- ❑ General Electric Company (GE)
- ❑ Vestas Wind Systems A/S
- ❑ Enercon GmbH
- ❑ Siemens Gamesa Renewable Energy
- ❑ Nordex SE
- ❑ Guodian Technology & Environment Group Corporation Ltd.
- ❑ Suzlon Energy Ltd.
- ❑ Shanghai Electric Group Company Ltd.
- ❑ Ming Yang Smart Energy Group Ltd.
- ❑ Envision Energy
- ❑ Zhejiang Windey Co., Ltd.
- ❑ Xinjiang Goldwind Science & Technology Co., Ltd.