

Global Wind Tower Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

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Abstracts

Wind towers are tall structures, which carry nacelles, rotors, and other components. These are used to position wind turbines and rotors to an optimum height to produce electricity using the kinetic energy of wind. The capacity of the turbine for energy generation and the size of its blades determine the length of the wind tower. Tall wind towers support the rotor blades of the wind turbine to clear contact with the ground. Taller wind towers get access to higher wind speed and steady wind conditions thereby minimizing turbulences and increasing wind energy harvesting time. As a result, performance of the wind energy plant is maximized by increasing the wind energy production. The global wind tower market is expected to grow at a CAGR of 10.2% from 2017 to 2025.

The global wind tower market is segmented based on type, installation, and geography. Based on type, the market is divided into tubular steel tower, lattice tower, and others which include concrete, hybrid, and guyed towers. By installation, the market is classified into onshore and offshore markets. Geographic breakdown and deep analysis of each of the aforesaid segments have resulted in the following regions: North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Reducing dependency on conventional energy sources

Increase in government initiatives for energy production from renewable sources

Restraints:

Higher initial cost as compared with conventional power generation

Inaccessibility of potential sites

MARKET PLAYERS:

The top players in the global wind tower market include CS Wind Corporation, ENERCON GmbH, General Electric Corporation, KGW Schweriner Maschinen-und Anlagenbau GmbH, Shanghai Taisheng Wind Power Equipment Co. Ltd., Siemens AG, Suzlon Energy Limited., Trinity Structural Towers, Inc., Vestas Wind Systems A/S, and WINDAR Renovables,

KEY TAKEAWAYS

MARKET LANDSCAPE

By Type

Tubular Steel Tower

Lattice Tower

Others (Concrete, Hybrid, and Guyed Towers)

By Installation

Onshore

Offshore

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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