

Global Nacelle Mounted LIDAR Systems Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023

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Abstracts

A nacelle-mounted light detection and ranging (LIDAR) system is a remote-sensing device that is used in the wind industry for measuring the wind curve measurements. It is considered as a potential alternative for the met mast, a tool used for reducing the uncertainties in the annual energy production (AEP), which reduces the operational and maintenance costs and helps in the optimization of the turbine performance.

Scope of the Report:

This report focuses on the Nacelle Mounted LIDAR Systems in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Modern wind turbines comprise of active yaw and pitch control systems to change the angle according to the wind flow to improve. These systems rely on the nacelle based anemometers for acquiring real-time data that enables automatic control operations. However, some of the factors that cannot be controlled by the operator include the wind resource and the flow complexity. Such factors impact the power generation and cause yaw misalignment, which affects power performance. Also, yaw misalignment results in an uneven flow of the wind that spins the rotor in one direction and immediately slows down. Under such circumstances, the nacelle LIDAR helps to identify the misalignment and transmits the data to the sensor to correct the alignment that improves the annual energy production (AEP) and return on investment (ROI). The worldwide market for Nacelle Mounted LIDAR Systems is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Epsiline

Pentalum Technologies

AXYS Technologies

Avent Lidar Technology

Mitsubishi Electric

Epsiline

Pentalum Technologies

AXYS Technologies

Avent Lidar Technology

Mitsubishi

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Onshore

Offshore

Market Segment by Applications, can be divided into

Military

Commerical

Government

There are 15 Chapters to deeply display the global Nacelle Mounted LIDAR Systems market.

Chapter 1, to describe Nacelle Mounted LIDAR Systems Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Nacelle Mounted LIDAR Systems, with sales, revenue, and price of Nacelle Mounted LIDAR Systems, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Nacelle Mounted LIDAR Systems, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Nacelle Mounted LIDAR Systems market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Nacelle Mounted LIDAR Systems sales channel,

distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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