Wind Turbine Control Systems Global Market Research

LOW PRICES, THE NEED TO REDUCE CO2 EMISSIONS SPUR GROWTH

This global market research study covers hardware, software, and services for wind turbine control systems (WTC), which comprise the main controller, condition monitoring, power converter, pitch control, and yaw control systems.

In 2015, the wind turbine control systems market declined marginally. In contrast, unit shipments grew at a good pace. The worldwide wind power installations in 2015 alone increased the cumulative power generation capacity by 17 percent from 369 GW to 432.9 GW. Thus, the wind turbine control revenue decline is attributable to the decline in cost of wind turbine control subsystems, streamlined designs, and higher capacity wind turbines.

New markets in Latin America, Asia, Middle East and Africa are giving a new push for wind energy.

Though the annual wind energy capacities are growing at a good pace in new markets, the wind turbine control systems’ market performance in terms of revenue is directly related to macro-economic trends, changes in governments, and states’ policies by regions, and countries. Also, as volumes continue to grow the unit prices continue to fall, and ARC believes that this scenario is likely to continue in coming years.

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STRIATEGIC ISSUES

The wind turbine control market is diverse, with each region having its own barriers and growth drivers. This study provides an in-depth analysis of the market by control system category and geographic region. It also provides insightful analysis of key issues that will affect this market in the future. Strategic questions answered include:

- What are the key market, technology trends, and drivers in wind energy?
- How can suppliers increase their value proposition?
- Which wind turbine control systems categories are growing the fastest?
- Which regions offer the greatest growth opportunities?
- What is the impact of digitization, analytics, and Industrial Internet of Things (IIoT)?

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