

Market Report

By MAKE Consulting

May 2010

Supply Side

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(Price EUR 1,500)

Following years of shortages of several important components in the wind power supply chain, the balance shifted toward overcapacity in 2009. Adapting to lower demand, uncertainty and reduced order visibility made 2009 a difficult year, especially for European and American supply chain companies while the Asia Pacific supply chain was shielded from the effects of the financial crisis by continued strong market growth.

Overall the installed wind power capacity in 2009 came close to nominal annual capacity of bearings, forgings and castings. Although 2009 saw some manufacturing capacity being phased out, idled or restructured the global capacity for all main components have increased in 2009 as a consequence of efficiency gains, capacity expansions and new entrants into the sector. Global capacity build-out for main components has in 2009 mainly been driven by the rapid expansion of the Asia Pacific wind power supply chain.

Based on current global supply chain capacity, we do not expect overall shortages of any of the main components in 2010 and 2011. Towards 2012 we forecast that bearings – particularly main bearings – may once again become a key constraint for the industry and that increasing demand for larger WTGs could create bottlenecks for some other large and giant sized components like gearboxes and blades, although overall global component capacity is sufficient to meet demand.

Considering regional differences in demand and supply situation as well as overall trends we expect the top-5 supply chain challenges in the next three years to be: ramp-up of Northern European offshore supply chain, ramp-up of Asia Pacific supply chain for larger turbines and components, American supply chain expansion, global footprint optimization for cost-out and strategic market access as well as increasing use of industrial automation.

This 100+ pages report provides the reader with an overview of the supply chain dynamics of the wind power industry. It focuses on the current status and development in the supply of WTGs, main components and other subcomponents and provides an overview of the world's leading supply side players.

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As a guideline, our research is published as illustrated in the figure below:

	Q1	Q2	Q3	Q4
Market Reports	Market Outlook	Supply Side	Demand Side	WTG Trends
Business Studies		U.S. Wind Power	Offshore Wind Power	China Wind Power
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Flash Notes	Min. Five Flash Notes	Min. Five Flash Notes	Min. Five Flash Notes	Min. Five Flash Notes
Forecasts	Annual/Semiannual/ Quarterly	Quarterly	Semiannual/ Quarterly	Quarterly
Project Pipelines		Project Pipeline	Project Pipeline	Project Pipeline
Policy Event Horizons	Policy Event Horizon		Policy Event Horizon	

Market Reports are 40-60 pages of high quality industry forecasts, trend spotting and analysis, giving the reader a detailed insight into the demand side, the supply side, wind power development in a range of countries as well as current WTG trends. Our market reports are published four times a year.

Business Studies are 60-100 pages detailed in-depth strategic market studies of key segments of the wind industry. In 2010 the business studies will focus on the US-, offshore,- and China wind power markets.

Research Notes are 10-20 pages of comprehensive analysis of specific trends in the industry. They are published 8 times a year and cover topics such as capacity shortages, order announcements, emerging markets, policy changes and strategic changes in the competitive landscape etc.

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