



The Wind Power Market in Guangdong

Wind power, among alternative energies such as solar energy, biomass, and geothermal power, is the most promising in terms of technological and economic viability in Southern China. Guangdong Province's land (including islands) wind power reserve is 75,000 mw and ocean wind reserve is 100,000 mw. The province has decided to increase its wind power capacity from its current 80 mw to 3,000 mw by 2020. From 2005 through 2010, China invested \$726 million in wind power projects, an additional \$1.93 billion will be invested from 2010 through 2020.

Best prospects for U.S. firms:

1. Hydraulic systems
2. Blades
3. Clutches
4. Components. Of all the opportunities, turbine components present the best opportunity for American imports. Despite rising levels of technical competency and domestic manufacturing capability, the demand from turbine manufacturers for components remains extremely high, with tight supplies forecasted to continue for the foreseeable future. In particular, foreign electrical control devices and turbine bearings are most highly sought.
5. Licensing. As a developing industry, Chinese turbine and component manufacturers are eager for the latest technologies. While the acquisition of technology from overseas is the easiest way to accomplish this, leading international firms are wary of licensing their latest proprietary designs to potential competitors. Consequently, smaller wind power companies who do not compete directly in the Chinese market, and who stand to benefit more from licensing fees, have many potential – and willing – partners for co-development and technology transfer in China.



South China Snapshot:

Energy –
Wind Power

Major Trade Shows in 2011:

CWEE 5 Shanghai 2011

April 8th – 10th, 2011

Shanghai, China

<http://www.cwee.com.cn/eng/index.asp>

China Windpower 2011

October 19-21, 2011

Beijing, China

<http://www.globalwind.org.cn>

AWEA Windpower Conference and Exhibition 2011

May 22 – 25, 2011

Anaheim, CA

<http://www.windpowerexpo.com>

Retech 2011

September 20th – 22nd, 2011

Washington, D.C.

<http://www.retech2011.com>

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