



# **China Wind Farm Operation & Maintenance (O&M) Industry Report, 2014-2016**

**Nov. 2014**

## STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

## REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

## METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications.

Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

## INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

## Abstract

Global wind farm operations and maintenance (O&M) market size had increased progressively year after year during 2008-2013, attaining to USD 7.35 billion in 2013, and is predicted to reach USD 9.84 billion in 2016, with China contributing USD 1.77 billion, or 18% of global market.

Europe, as the world's largest wind farm O&M market and the first to develop such business, takes up more than 50% of global wind farm O&M market. In 2013, German wind farm O&M market equaled to EUR 1.2 billion, or 44% of entire European market, followed by Spain (28%) and Britain (13%). The expansion of Western European wind farm O&M market will be propped up mainly by offshore wind farms in Germany, Britain and Italy; Poland will stand out from the emerging Eastern European wind farm O&M markets with significant growth.

As China started wind farm construction on a large scale from 2009, most of wind turbines have come out of warranty from about 2012. The number of wind turbines coming out of warranty stood at 6,769 in 2013, and is expected to total 12,182 in 2014. A surge in the number of wind turbines out of warranty period will greatly promote the development of the Chinese wind farm O&M market, which saw an annual average growth rate of 142%, and is expected to be worth about USD 1.4 billion in 2014.

At present, competitors in the Chinese wind farm O&M market can be divided into three main types: wind turbine manufacturers, wind farm developers and third party O&M companies.

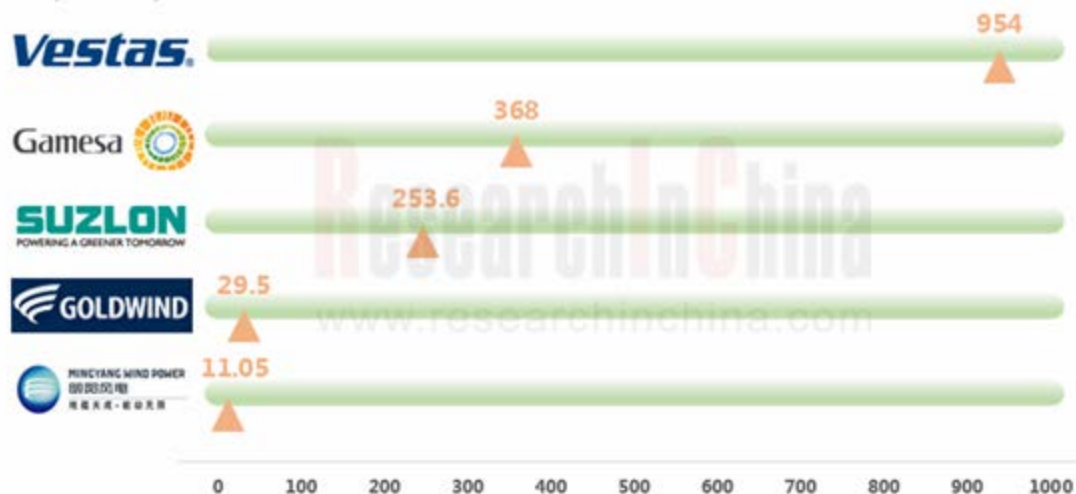
Xinjiang Goldwind Science & Technology Co., Ltd, a leader in China's wind turbine manufacturing, set up a subsidiary- Tianyuan New Energy Technology Co., Ltd. that specializes in wind power services in 2005, and achieved revenue of RMB 240 million from wind farm O&M business in the first half of 2014. With regard to wind power developer and operator, large developers usually establish overhaul companies, like Beijing Century Concord Operation and Maintenance Wind Power Technology Co., Ltd. under China WindPower Group Limited. Due to technical barriers put by manufacturers, third-party O&M companies are small in China, only being responsible for maintenance of specific fields in the early stage, like Shenyang Gideon Wind Power Science & Technology Co., Ltd, which engages mainly in grounding grid engineering construction.

Global and China Wind Farm O&M Industry Report, 2014-2016 by ResearchInChina focuses on the following:

- Market size, competitive landscape, cost analysis and development prospect of global wind farm O&M industry;
- Development, market size, competitive landscape, cost analysis and development prospect of China's wind farm O&M industry;
- Operation and wind farm O&M business of 5 major global wind farm O&M companies (including Vestas, Gamesa, Suzlon, GE and Siemens);
- Operation and wind farm O&M business of 10 major Chinese wind farm O&M companies (covering Goldwind, Ming Yang Wind Power, China Wind Power, Longyuan Power).

## O&M Revenue of Major Wind Farm O&M Enterprises Worldwide, 2013

(EUR mln)



Source: Global and China Wind Farm O&M Industry Report, 2014-2016; ResearchInChina

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