Purpose

Based on advanced cloud computing and big data capabilities, it can realize the full amount of wind turbine operation and maintenance data, and open real-time data links, enabling real-time viewing, calculation and analysis of fan status in the cloud. By establishing a wind tower model, it is possible to predict the potential failure of the fan in advance. At the same time, the technical solution can make the wind turbine group control more intelligent and greatly improve the overall power generation efficiency of the wind farm.

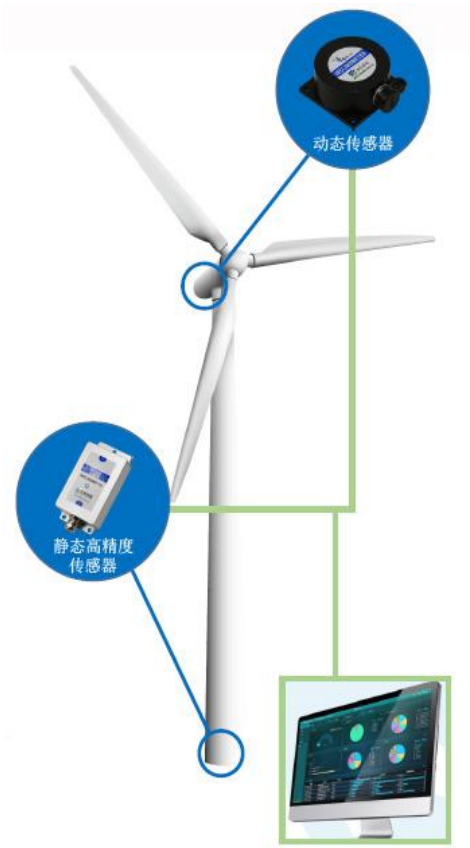
System Component

The on-line monitoring tower body is unevenly inclined, swaying and tilting, and has wide monitoring range and high precision.

The BWS2700 tilt sensor has an accuracy of 0.001° and a resolution of 0.0005°.

It is a unique and objective high-precision sensor; it can monitor the subtle uneven settlement in the lower tower in real time.

The BW-VG527 dynamic tilt sensor has a dynamic accuracy of 0.1 ° and a static accuracy of up to 0.01 °. It is used to monitor the angle of the low-frequency sway of the tower tower in real time. At present, it has the highest precision in the industry, and it is applied to various application scenarios of onshore wind turbines and offshore wind turbine units.



传感器监测布点

Cloud, big data analysis, management of driving warehouse display, high management efficiency.

In the complex environment of swinging, vibrating and shaking of the upper tower, the health status of the silo is monitored online, so that the administrator can understand the equipment parameters of the fan cores in different places.

Related Cases

Related products have been applied in many domestic wind turbine manufacturers, such as: Huarui, Xiangdian, Yuanjing, Yunda, China Resources Wind Power, Goldwind, and other dozens of host manufacturers, Zhongzi Qingan, Guanwei monitoring and other system integration Partner.

Product Advantages

Bewis has passed and strictly implemented the following standards: ISO9001, CE safety certification, RoHS certification, etc. Accuracy is tested by the accuracy of Zhejiang Metrology Institute.

Talent Technical Advantage

The company's international employees from Germany, the United States, Hong Kong and Japan account for more than 10%, with more than 50% of master's and doctoral degrees, and 70% of R&D and technical staff. The company's technical team has gathered a number of national thousand planners, IEEE FELLOW, ASME FELLOW, Chinese Academy of Sciences "Hundred Talents Program" selected, 973 chief scientist, and has undertaken several national key science and technology projects, and Peking University, University of Electronic Science and Technology, Zhejiang University Xiamen University has established a long-term cooperative relationship, cooperated with cutting-edge technology research and talent cultivation, and cooperated with Zhejiang University to train postdoctoral fellows in the direction of MEMS sensors.

Service Advantage

Bewis Professional Field Service Team has many years of first-line work experience, with professional knowledge and skills in electronics and machinery, providing customers with professional, comprehensive technical guidance, training, installation, commissioning, maintenance and other comprehensive services.

Partner

SINOVEL 华锐风电
MHCC MACHINE HEALTHCARE CENTER
金风科技 GOLDWIND
ENVISION 远景能源
华润 与您携手 改变生活
运达风电 WINDEY
XEMC 湘电股份
WindIT 中自庆安
威锐达 WEIRUIDA

Bewis Sensing Technology LLC Tel: 0510-85737158 Email: www.bwsensing.com

Supplier

Bewis is an industry-leading supplier of inertial attitude sensors and a national high-tech enterprise. Its sensing business covers more than 50 countries and regions around the world, serving more than 5,000 customers.

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