

Three Stations of SPIC Shandong Energy Win Top Wind Farm Awards

Recently, in the 2023 Wind Power Operational Benchmarking by the China Electricity Council, three wind farms of SPIC Shandong Energy Development Co., Ltd. were recognized for their outstanding performance. The Shandong Peninsula South No. 3 Offshore Wind Farm and Heze Dingtao Wind Farm were awarded the 4A Class Outstanding Wind Farm title, while the Anqiu Shibuzi Wind Farm received the 3A Class Outstanding Wind Farm title.

The Shandong Peninsula South No. 3 Offshore Wind Farm has a total installed capacity of 301.6 MW, featuring 58 wind turbines of 5.2 MW each. The farm has consistently strengthened equipment management, implemented high-quality, high-standard inspections, and independently compiled the *2023 Wind Turbine Maintenance Program* and the *2023 Wind Turbine Three-level Maintenance List*. According to the wind turbine operation data over the years, the farm developed a customized maintenance program, and implemented dynamic closed-loop management of defects, to ensure that all defects and hidden dangers in the maintenance process are eliminated. This proactive approach has effectively improved equipment reliability.

Heze Dingtao Wind Farm is located in Rangu Town, Dingtao District, Heze, Shandong Province, with an installed capacity of 49.9 MW, and has been operational since December 24, 2020. Since then, the farm has enhanced equipment management, improved equipment utility, optimized operational benchmarks, and focused on improving turbine efficiency. Moving forward, the farm will continue to conduct thorough inspections, strengthen operation management and safety standards, properly arrange turbine maintenance, and improve energy production to ensure safe and stable operation.

Anqiu Shibuzi Wind Farm is located in Anqiu, Weifang, Shandong Province. The wind farm was connected to the grid in January 2018, with 45 turbines and a total capacity of 99 MW. It has also focused on enhancing equipment inspections and fault analysis, increased the research on repeated failures to reduce the defect rate, effectively improved the reliability of equipment, optimized the operation and management, and improved the utilization rate of wind energy. By establishing a data analysis platform for turbine issues and optimizing operational management, the farm has carried out analysis and research regularly, carried out the hidden trouble investigation and management in depth, explored the development of state overhaul, and achieved significant improvements in equipment reliability.