

Stock code
300772.SZ



WINDEY

Uphold the Future of Renewable Energy
With a Sustainable Service Attitude

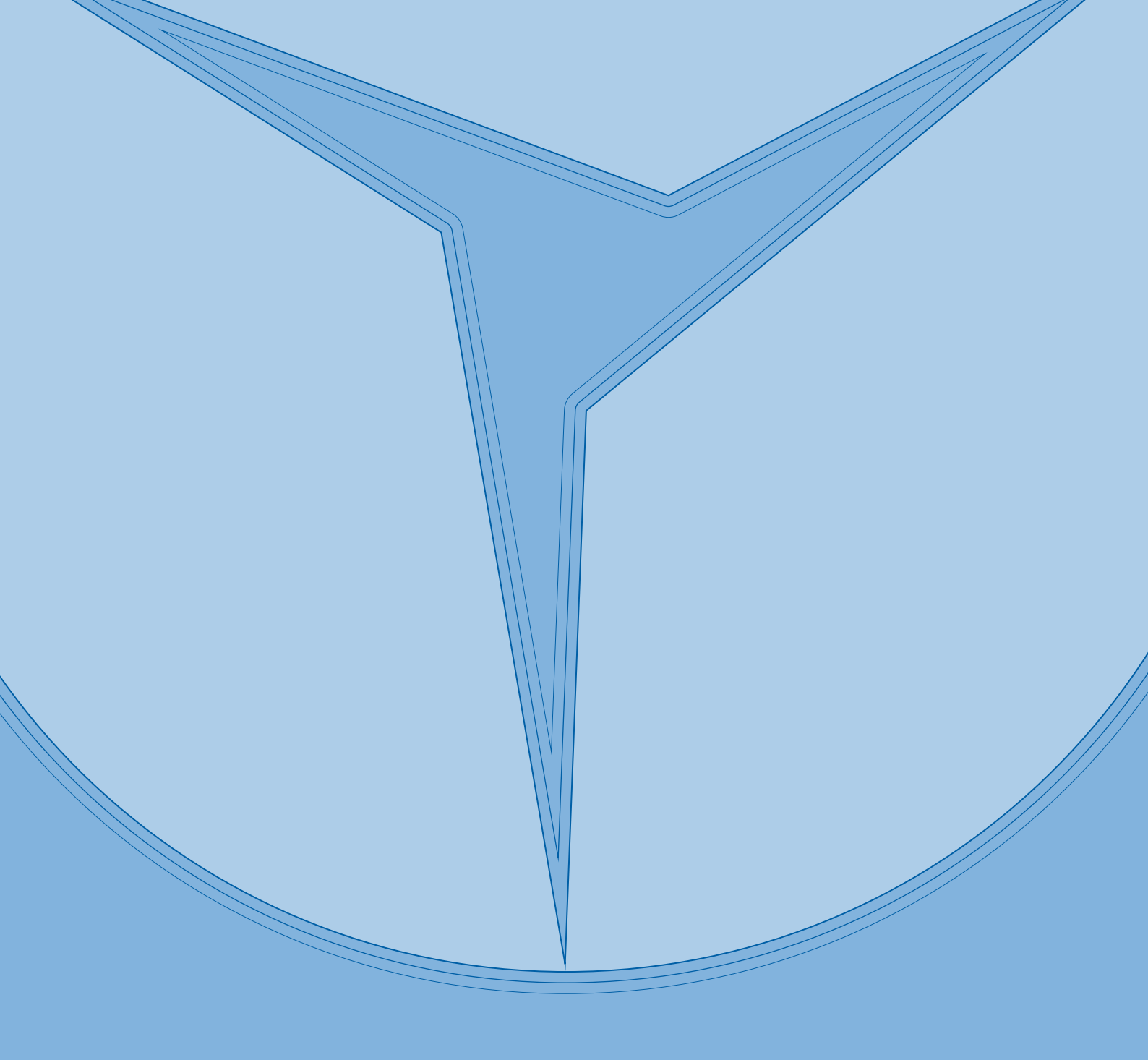


www.windeyenergy.com



Windenergy
Power Clean Energy To Human
Create Green Future To Earth

WIND ENERGY



POWER CLEAN ENERGY TO HUMAN
CREATE GREEN FUTURE TO EARTH



WINDEY Profile

www.windeyenergy.com

WINDEY is a comprehensive new energy solution provider headquartered in Hangzhou, China. It stands as one of China's earliest wind turbine manufacturers, pioneering and innovating within the country's wind energy sector. The company achieved a significant milestone by developing one of the first grid-connected wind turbines in China, marking its deep involvement in the renewable energy industry for over half a century. With more than five decades of experience in renewable energy operations, Windey has solidified its position as a seasoned player in the field.

Windey has six main business areas: wind turbine manufacturing, renewable energy investment, technology transfer, energy storage systems, EPC, and intelligent services. This diverse portfolio underscores the company's commitment to holistic solutions within the renewable energy landscape. Our expertise in wind energy technology is complemented by ventures into cutting-edge energy storage solutions, comprehensive project development, and strategic investments in renewable energy initiatives.

Engaging actively with over 200 international and national standard committees, Windey demonstrates its commitment to shaping industry standards and driving technological advancements. With a workforce of 4,000 employees and the support of a dedicated team of 800 R&D engineers, the company possesses substantial expertise and manpower.



Wind Turbine OEM

Renewable Energy Investment

Technology Transfer

Energy Storage Systems

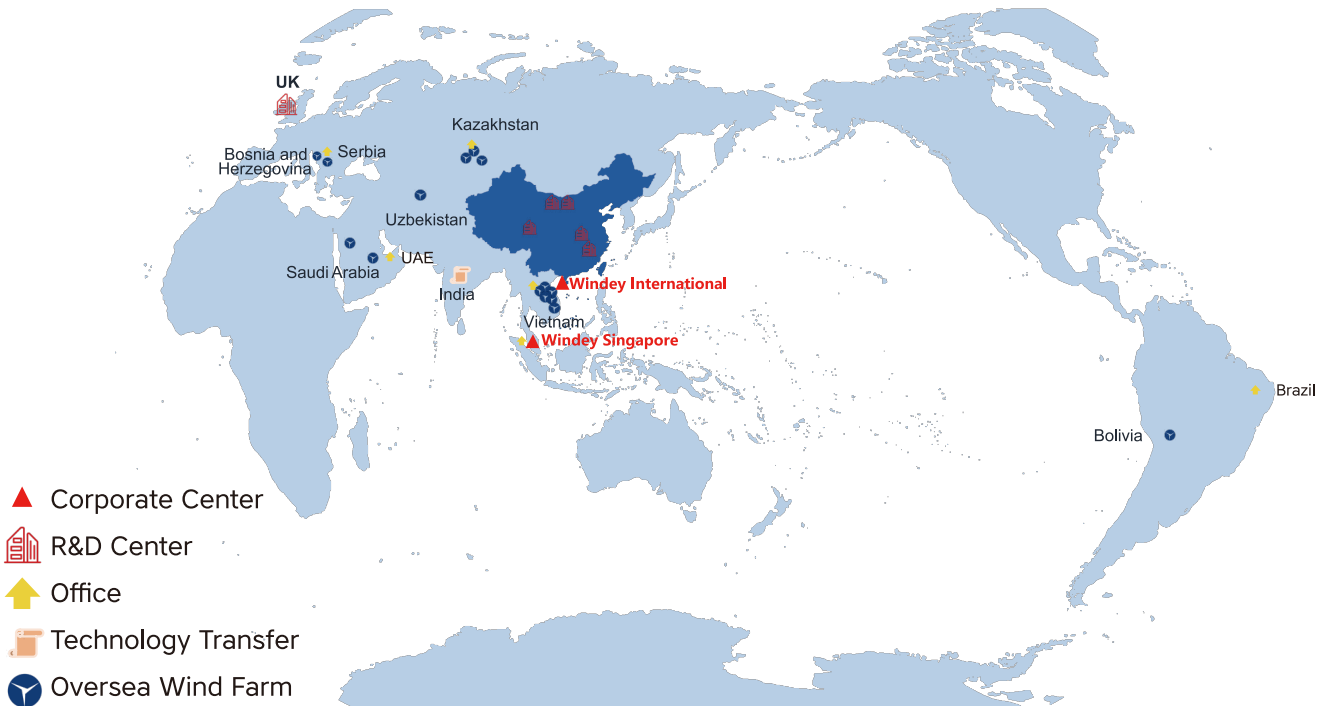
EPC

Intelligent Services

50 years *Windey has gone through a journey of 50 years in the field of new energy*

17,000⁺ units *With a global installed capacity of more than 17,000 units*

Global Footprint



Always On The Road of Chasing The Wind.

As of June 2024

40^{GW}

More than 40GW wind turbines have been installed worldwide

13^{+GW}

11 production base with 13GW+ annual production capacity

5

5 oversea regional center:
East Europe | Middle East and North Africa |
South America | Middle Asia | Southeast Asia

600⁺

Over 600 wind farms in China and at abroad

Wind Farms

■ Vietnam Chinh Thang 49.8MW Wind Power Project

Model: 13 x WD147-3000 + 3 x WD147-3600



Capacity
49.8MW



Location
Chinh Thang



COD
Aug. 2021



Wind Speed
6.28m/s

■ Vietnam la Pech 99MW Wind Power Project

Model: 30 x WD164-3300



Capacity
99MW



Location
la Pech



COD
Aug. 2021



Wind Speed
6.54m/s



Wind Farms

■ Kazakhstan Borey 100MW Wind Power Project

Model: WD172-5000



Capacity
100MW



Location
Astana



COD
Dec. 2022



Wind Speed
8.2m/s

■ Kazakhstan ET 50MW Wind Power Project

Model: WD172-5000



Capacity
50MW



Location
Astana



COD
Dec. 2022




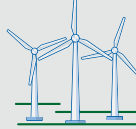
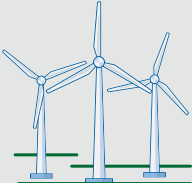
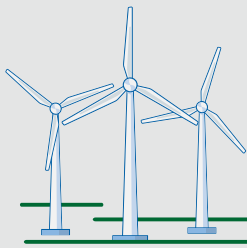

Wind Speed
8.2m/s

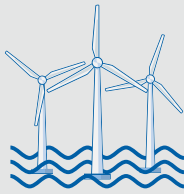
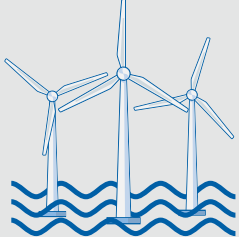



Wind Turbine OEM

PRODUCT

Windey is a wind turbine manufacturer with the most complete product portfolio and a well-known mainstream brand of DFIG wind turbines.

Onshore Platform				
	3.XMW	4.X~5.XMW	6.X~7.XMW	8.X~9.XMW
				
 Rotor Diameter	⊕ 164m	⊕ 156~200m	⊕ 172~200m	⊕ 190~200m

Offshore Platform		
	9.XMW	16.XMW
		
 Rotor Diameter	⊕ 225m	⊕ 260m



Environment Adaptability



Zhangbei
Extreme cold
-30°C



Ningbo
Extreme weather with Typhoon



Tibet
High altitude area
5500 meters



Henan
Ultra-low wind speed regions
4.7 meters per second



Sichuan
Earthquake zones
8.0 magnitude



Gansu
Desert and Rocky
Hot and Dry

Tower Solutions



Steel Tower
90~120m



Soft Tower
120~153m



Concrete Tower
120~180m



Truss Tower
170m

Smart Turbine



NO.1

Operation stability first



NO.1

Availability rate first



HIGH RELIABILITY

01 Modular Design

1. Platform design that can reduce/increase capacity, redundancy design makes the machine more secure
2. Modular, platform design, mature structure, strong scalability

02 Intelligent Control

1. Independent variable propeller control technology, significantly reduce unit fatigue load, prolong the service life of parts
2. Site load optimization control, significantly reduce unit vibration, more stable operation
3. Flexible tower resonance fast crossing control technology and dynamic thrust reduction control strategy, safer operation

03 Health Management

Digital integrated intelligent monitoring system and unit fault warning system, real-time monitoring unit operation



ECONOMIC EFFICIENCY

1. High transmission conversion efficiency of the unit
2. With the longest blade of megawatt level, maximum sweep area, combined with high tower technology, to provide optimal power generation
3. Optimal speed control and optimal pitch Angle control technology, improve the unit operation performance and power generation efficiency
4. Intelligent operation and maintenance management system to create ultra-low failure rate products and ultra-low operation and maintenance costs



Excellent Features



ADVANCED INTELLIGENCE



Intelligent Remote Sensing

Through the real-time monitoring of the key parts of the unit, the fine control and fault warning are carried out



Intelligent Prediction

Through the big data analysis platform cooperated with Ali Cloud, weather prediction and electricity quantity prediction with high precision can be achieved



Intelligent Control

Intelligent optimal control is achieved through wake management, energy management, sector control and other adaptive control technologies



HIGH ADAPTABILITY



Adaptability of Power Grid

The platform unit is equipped with grid active support technology and squirrel cage three-level scheme to effectively improve the power quality



Adaptability to Complex Environment

With ultra-high altitude special design solutions, intelligent flexible noise reduction solutions, de-icing, anti-platform and other special solutions



Supply Chain Adaptability

The platform design of the unit makes the supply chain highly adaptable and improves the coordination ability of the project equipment supply

50 Years of Persistence
Unceasing Wind, Unfailing Trust



Address: 23F, Building A, West Lake International Plaza S&T, No. 391 Wen'er Road, Hangzhou, Zhejiang, China

Post code: 310012

Tel.: 0571-87397666

Fax: 0571-87397667

www.windenergy.com
