



ENERGY FUTURE SMART GRID
WIND COOLING HEATING
MULTY ENERGY COMPLEMENT



JENMOUR NEW ENERGY CO., LTD
CSSC jinma (Shandong) New Energy Co., Ltd.

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Company Profile

Group Profile

Jinma Industrial Group Co., Ltd. is a national high-tech enterprise · covers 1,200,000 square meters · sales revenue is 8 billion RMB. It has total assets of CNY 3.5 billion and 2500 employees, owns 12 subsidiary companies and 3 joint venture companies. Jinma Group began to export products since 1980 with over 40 years export experience in more than 40 countries and regions. Group gained national mechanical and electrical products export base, national guard contract, heavy credit enterprise, the enterprise of China machinery industry, rizhao city mayor quality prize, group have auto parts, fine chemical industry, building materials, new energy and other leading industries.



Jinma Group Jinma Industrial Group Co., Ltd. is a national high-tech enterprise with over 40 years of export experience, operating in more than 40 countries. The group covers 1,200,000 square meters, with a sales revenue of 8 billion RMB and total assets of CNY 3.5 billion. It employs 2,500 people and owns 12 subsidiary companies and 3 joint ventures. Jinma Group's leading industries include auto parts, fine chemicals, building materials, and new energy.

Machinery manufacturing and production system based on auto parts, rail transit parts, construction machinery, wind power parts as a supplement, become Germany's **Bosch, ZF, Canada Linamar**, We are the best supplier of the world famous enterprises, such as **Sweden Hande** and United States Insurance, and provide high-quality product supporting services for the Oems such as Mercedes-Benz, Volvo, Chrysler and Ford.



Branch Introduction

Forging Equipment



4000T forging press



2500T forging press



1600T forging press



Forging automatic production line

Partial Heat Treatment production line



Tempering production line



Net Back Furnace

Company Profile

Branch Introduction

Production equipment



workshop 02



workshop 01



workshop 03 prodction line

Testing equipment



gear tester



coordinate measurement



hardness tester



gear tester

Company Profile

Company Profile

Jenmour New Energy Co.,Ltd is a high-tech enterprise, mainly engaged in technology development, application of renewable energy. The company has fixed assets of 150 million RMB and covers an area of 76000 m². It has more than 200 employees and 46 research and development technicians.

Jenmour New Energy has obtained ISO9001, ISO14001 and OHAS18001 certifications ,and its products have also obtained German TUV certification, CE certification and Intertek IEC certification, which have Exported to Japan, Korea, America, Europe, southeast Asia and many countries and regions, which is the world's leading mid-sized wind power solutions provider.



Company Profile

Company Profile

- In October 2023, Jenmour New Energy Co.,Ltd. and CSSC Group Wind Power Development Co., Ltd. signed a strategic cooperation agreement on "Rizhao New Energy Equipment Manufacturing Industrial Park Project" in Chongqing, the headquarters of CSSC. In January 2024, the two parties jointly registered and established CSSC Jinma (Shandong) New Energy Co., Ltd. to jointly develop the production equipment and operation and maintenance business of offshore and onshore megawatt wind power, build a digital intelligent base park, and assist the wind power aftermarket in Shandong and East China.
- The joint venture company will also lay out a long-term development plan, focusing on the high-end wind power industrial base integrating high-end manufacturing equipment, intelligent centralized control platform for green energy, marine pasture, hydrogen production from wind power and other emerging offshore industries.





Group profile

CSSC 中船海装

Company overview



**CSSC JV Partner with JENMOUR
for Off-Shore Wind Power
Projects**

CHINA STATE SHIPBUILDING CORPORATION LIMITED

CHINA STATE SHIPBUILDING CORPORATION LIMITED According to the decision of the CPC Central Committee and the approval of the State Council, it was established on October 14th, 2019 by the joint reorganization of the former China Shipbuilding Industry Corporation and the former China Shipbuilding Industry Corporation.

- There are 104 scientific research institutes, enterprises and listed companies with total assets of 890 billion yuan and 220,000 employees.
- It has the largest ship building and repairing base in China and the most complete research and development capability of ships and supporting products.

104

R & D
Institutes

220K

Employees

890B

RMB



中船海装

CSSC 中船海装

Company overview

中船海装风电有限公司

CSSC HAIZHUANG WINDPOWER CO., LTD.

Established in 2004, CSSC Offshore Wind Power Co., Ltd. (hereinafter referred to as "CSSC") is a subsidiary of China Shipbuilding Group Co., Ltd.. Wind power is one of the pillar industries of science and technology application, which is cultivated by China Shipbuilding Group.

Whole
machine
manufacturing

Products
R & D

Engineering
Technical
service

EPC

Project
Financing

*Can provide the whole life cycle of wind farm development.
One-stop integrated solution*





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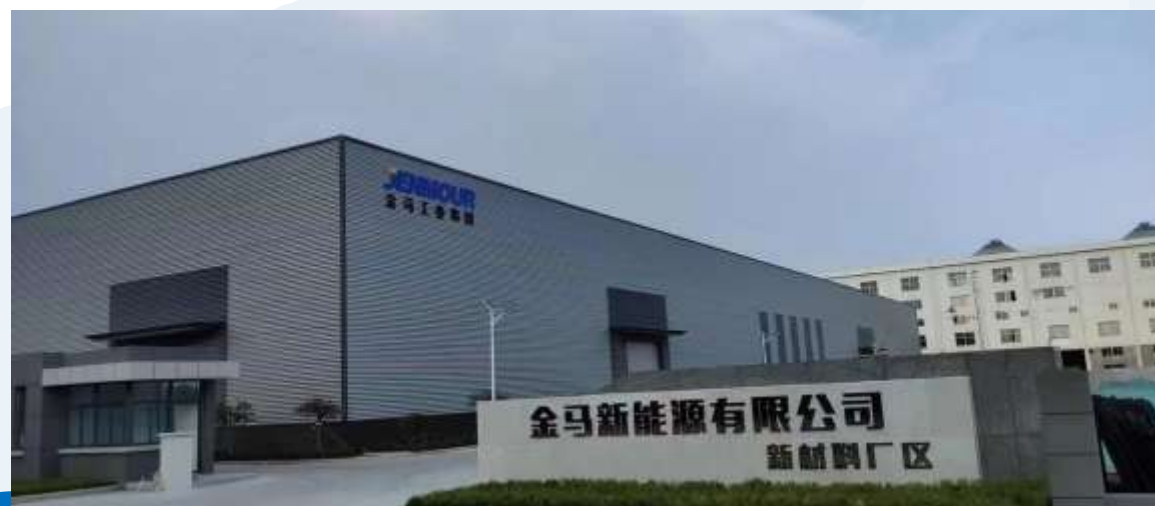
Production Base

Since the establishment of CSSC for more than ten years, it has adhered to the strategic deployment of "making a steady operation, rising rapidly and vowing to become stronger", and has established assembly production bases in Chongqing, Jiangsu, Dalian, Inner Mongolia, Xinjiang, Shandong, Zhejiang and other places, with an annual production capacity of over 10 million kilowatts, operating and maintaining nearly 300 wind farms around the world, with a total installed capacity of 240GW.



Company size

Jenmour New Energy Co., Ltd



Company Honors



国家企业技术中心
National Enterprise Technology Center



国家高新技术企业
National High Tech Enterprises



博士后科研工作站
Post-Doctoral Research Station



山东省院士工作站
Shandong province academician
workstation



山东省热模锻工程技术研究中心
Hot Forging Engineering Technology
Research Center

Related equipment

尺寸检测设备



三坐标 Leitz、Hexagon CMM



齿轮检测中心 Gleason
Gear inspection machine



视频测量机
Video measurement machine



轮廓仪
Mitutoyo Profilometer



粗糙度仪
Mitutoyo Roughmeter



3D扫描 Creaform
Handyscan 3D(Canada)

Related equipment

材料、性能检测设备



光谱仪Spark Direct-reading
Spectrometer (Switzerland)
(29个通道24个元素)



金相显微镜 Carl Zeiss
Microstructure Microscope
(Germany)



硬度计
Hardness Tester



冲击试验机
Impact Test Machine



拉力试验机
Tensile Test Machine



显微硬度计
Micro-Hardness Tester

Independent Research and Development Calculation

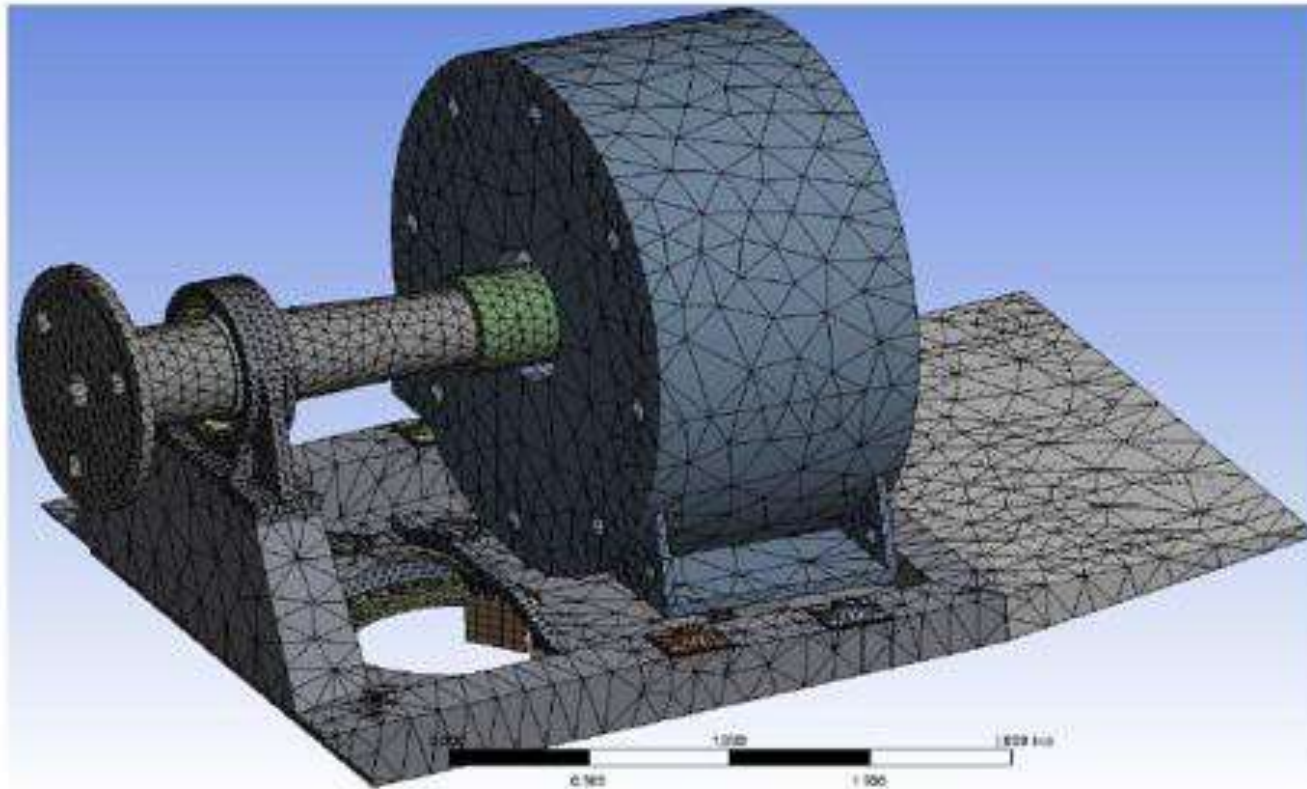
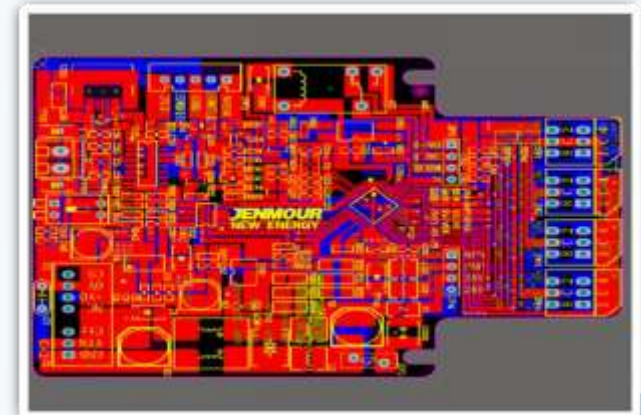
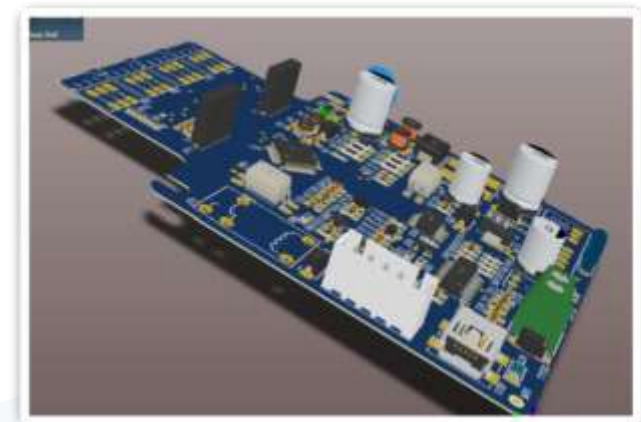
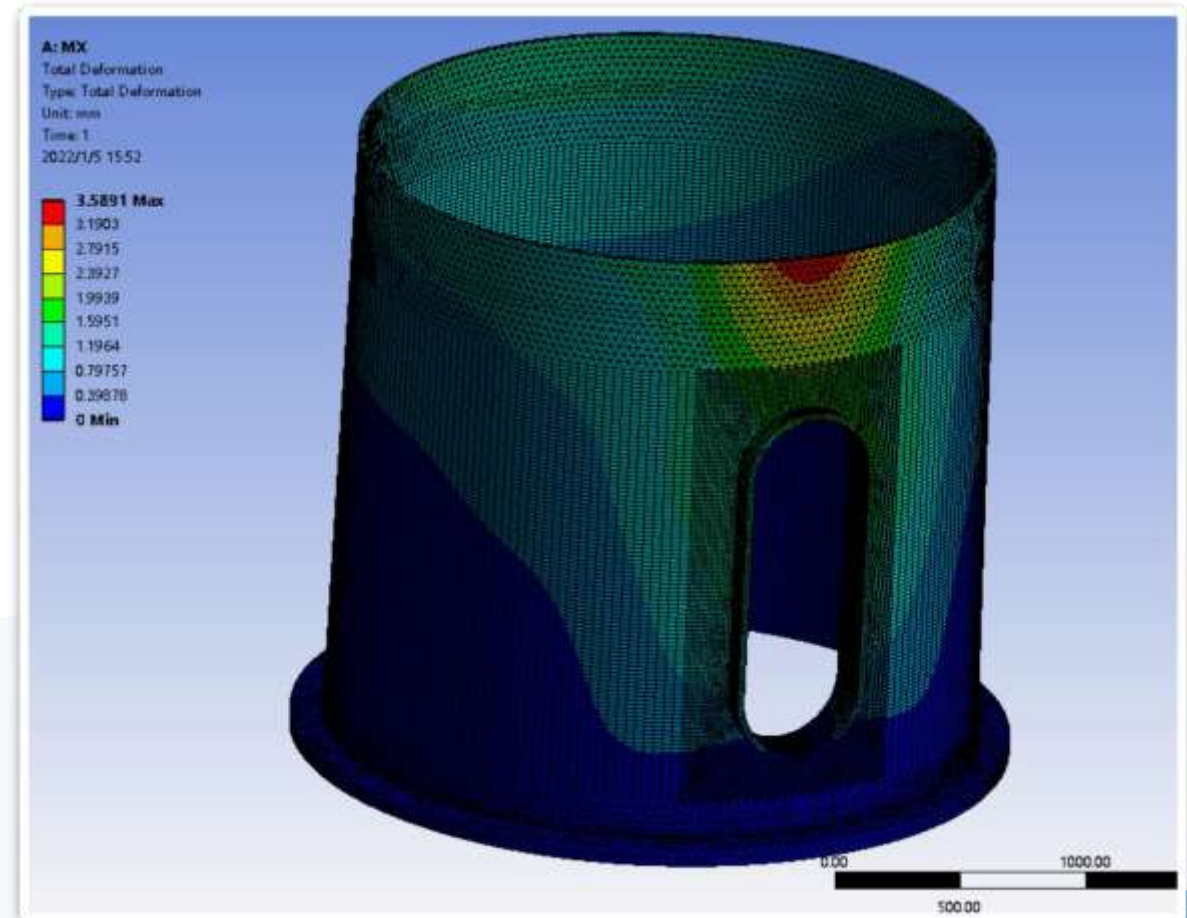
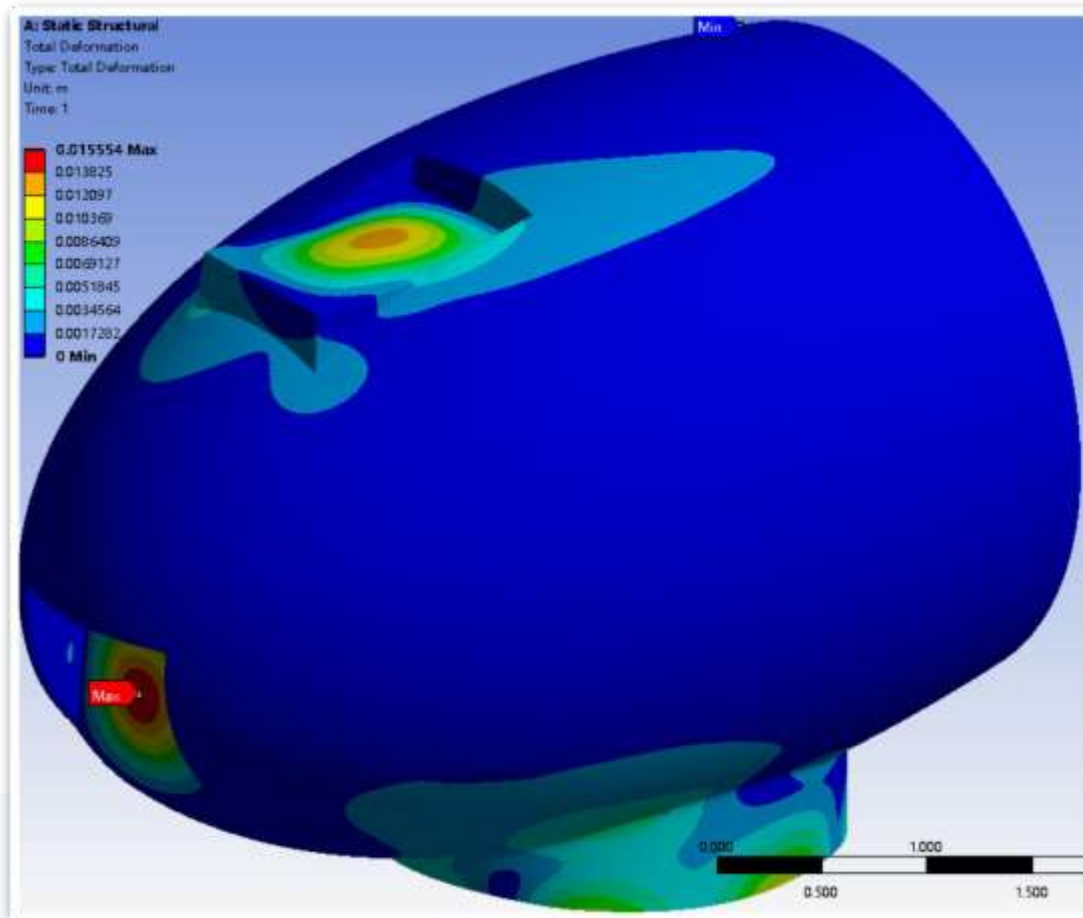


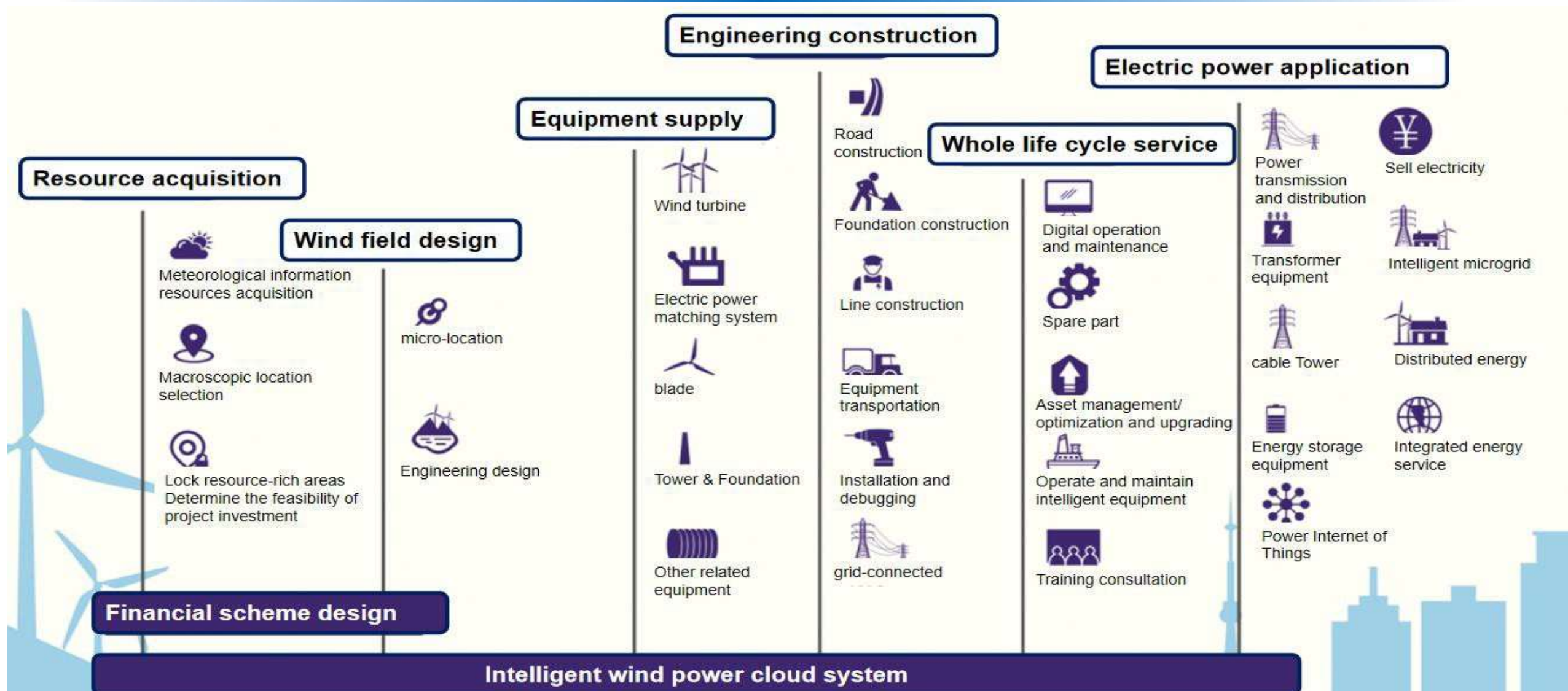
Figure3 FEA Mesh of drive train



Independent Design Calculation



Company Strength(One-stop Service)



Company Strength

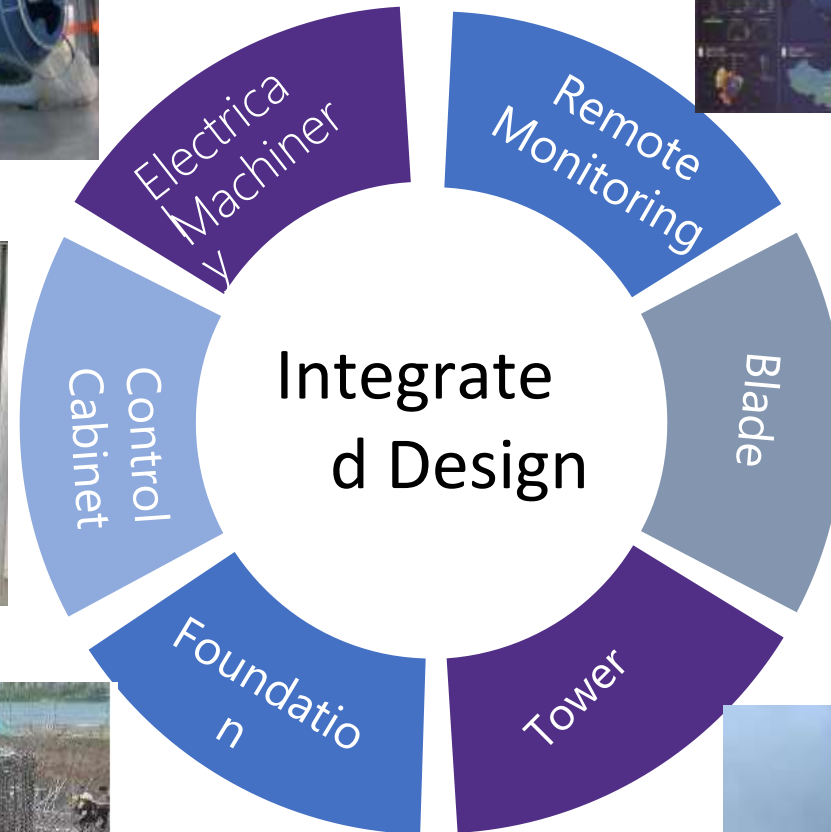
Through permanent magnet direct drive and bearing design to achieve effective noise reduction and improve power generation technology.



Reduce equipment wiring by 30%, lower construction costs, and better anti-corrosion and heat dissipation effects.



Professional design, scientific exploration and materials, strong foundation stability, anti-seismic, anti-sinking performance, construction costs greatly reduced.



Remote real-time monitoring of operating conditions, wind speed and power generation effect are known very well .



Optimized aerodynamic design for small and medium wind safety requirements.



Based on the application environment and force, the optimal mechanical and anti-corrosion design make it has high survivability in harsh environments.

Product Line of Wind Turbines

Blade Production Line



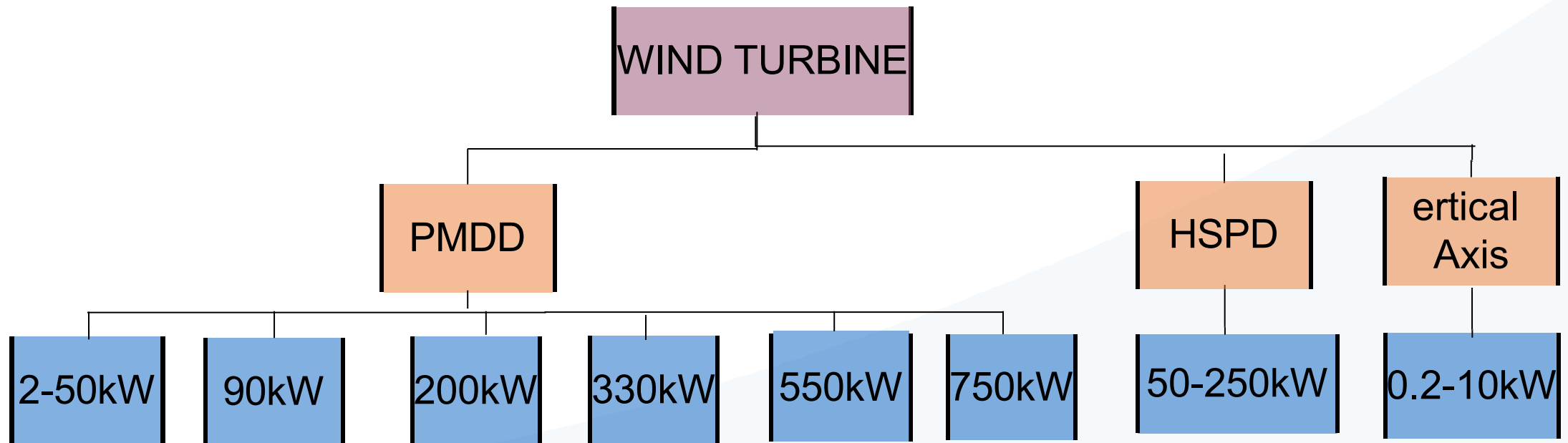
Tower Production Line



Final Assembly Line



Product Series

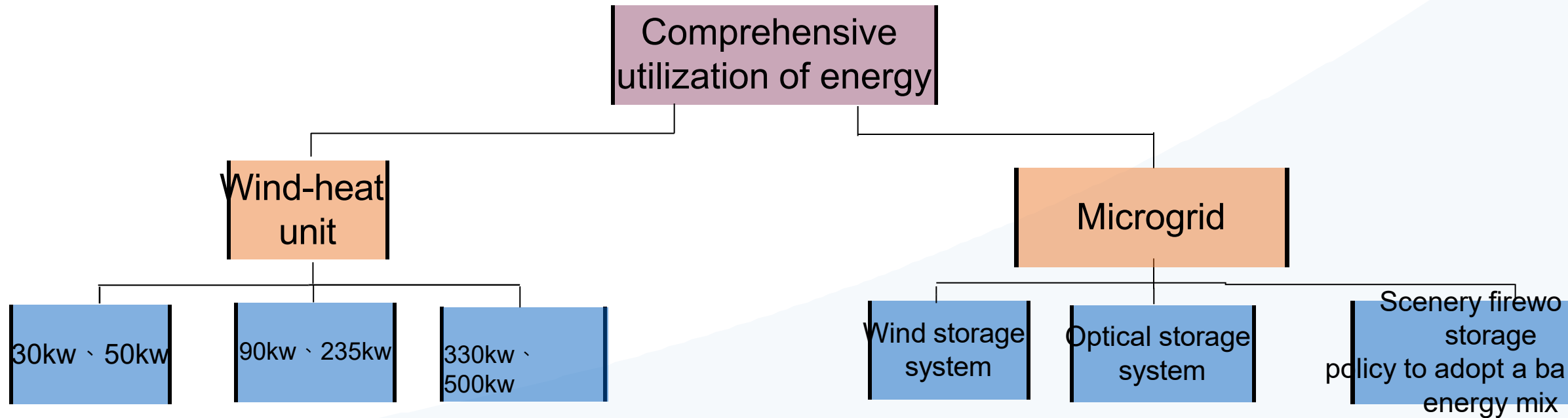


Note:

Products above 30kW have variable pitch and yaw functions;

The design grade is IEC II, which is higher than the design standards of the peers

Product Series



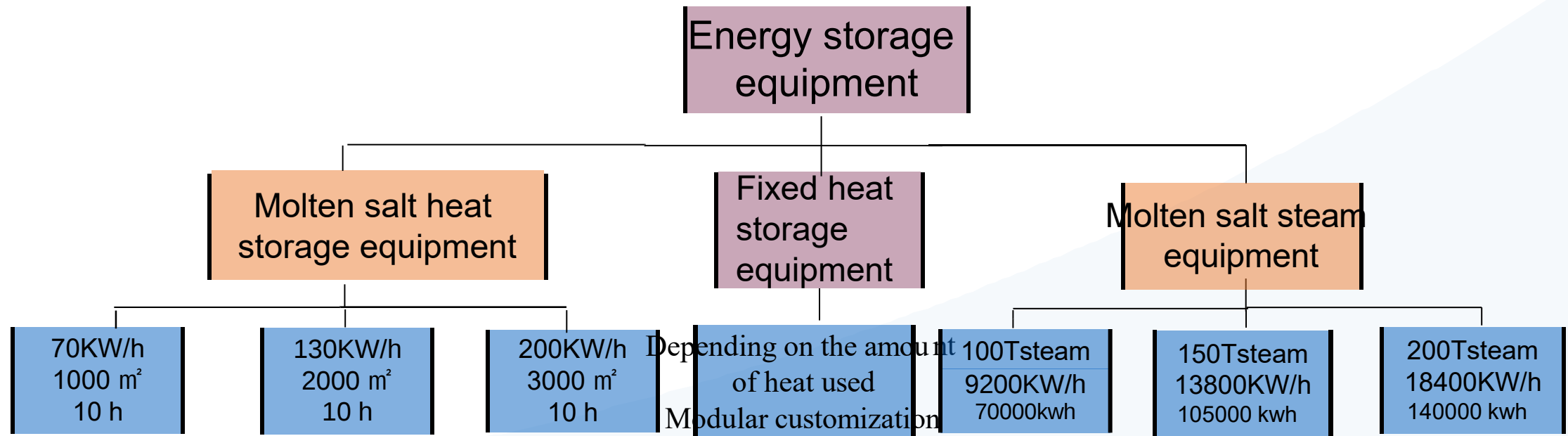
Remarks:

Wind-heating unit is a proprietary model specially designed for oil pipeline in oil field;

Microgrid projects can be customized according to the specific needs and field of

users;

Product Series



Remarks:

It can cut peaks and fill valleys, reduce the cost of enterprises, and use low-cost new energy electricity to store energy;

CSSC jinma product

Product line

25 MW Grade pre-research 10.0MW platform

H260-10.0MW

18.0MW platform

H260-13.7MW H260-16.7MW H260-18 MW

Offshore wind power

Onshore wind power

8.0MW platform

H236-8~10MW

5.X MW platform

H20X-5.XMW

≥7 MW platform

H185-7.XMW H193-7.XMW H220-8~10MW H230-10MW

6.X MW platform

H20X-6.XMW

Other in-service models

H52-850kW

H56-850kW

H82-2.0MW

H87-2.0MW

H93-2.0MW

H102-2.0MW

H111-2.0MW

H120-2.0MW

H136-2.2MW

H140-2.5MW

H146-2.5MW

H140-3.2MW

H140-3.4MW

H146-3.2MW

H146-3.4MW

H160-3.4MW

H165-4.0MW

H171-3.6MW

H171-4.0MW

H155-5.0MW

H165-5.0MW

H171-5.0MW

H185-5.0MW

H193-5.0MW

H193-5.3MW

H176-6.25MW

H176-6.7MW H185-

6.25MW H185-

6.7MW H193-

6.25MW H193-

6.45MW H193-

6.7MW

Offshore wind power

H128-5.0MW

H151-5.0MW

H171-5.0MW

H171-6.2MW

H176-6.25MW

H193-6.25MW

H210-8.0MW

H210-10MW

H210-12MW

H260-16MW

H260-18MW

Main product series

- The first floating wind power demonstration prototype achieved phased results, and the prototype demonstration application was completed in May 2022.
- This project was approved in January 2019 with an investment of 460 million yuan. On the basis of realizing the function of wind power generation, it can be integrated with cutting-edge technologies such as marine pasture, offshore hydrogen production from wind power, seawater desalination, energy island and intelligent microgrid, and it is a strategic product of China Shipbuilding Group during the "Tenth Five-Year Plan" period.
- "Fuyou" floating wind power equipment is applied to deep-sea areas with an average water depth of 65m, which has many advantages, such as strong environmental adaptability, the largest power of floating units in China, simple floating structure, high reliability of mooring and anchoring system, integrated design, etc. Its birth has filled the gap in China's deep-sea floating wind power equipment and become a great weapon for China to enter the field of deep-sea energy development.



- "The total length of the floating platform of "Hull" is 72 meters.
- The shape is 33 meters deep and 80 meters wide.
- It is equipped with a 6.2MW typhoon-resistant Class I wind turbine set installed by CSSC.
- The tower height of the unit is 78m.
- The height of hub center is 96, the diameter of wind wheel is 152 meters, and the blade length is 74 meters.
- The total weight of floating body and unit exceeds 4000 tons.
- It is the largest floating wind turbine in

Product Related Certification

体系认证



风机TUV
认证
叶片TUV
认证



Intertek
IEC61400-2
风机设计
认证



CE认证
Intetek
叶片认证



Product Features

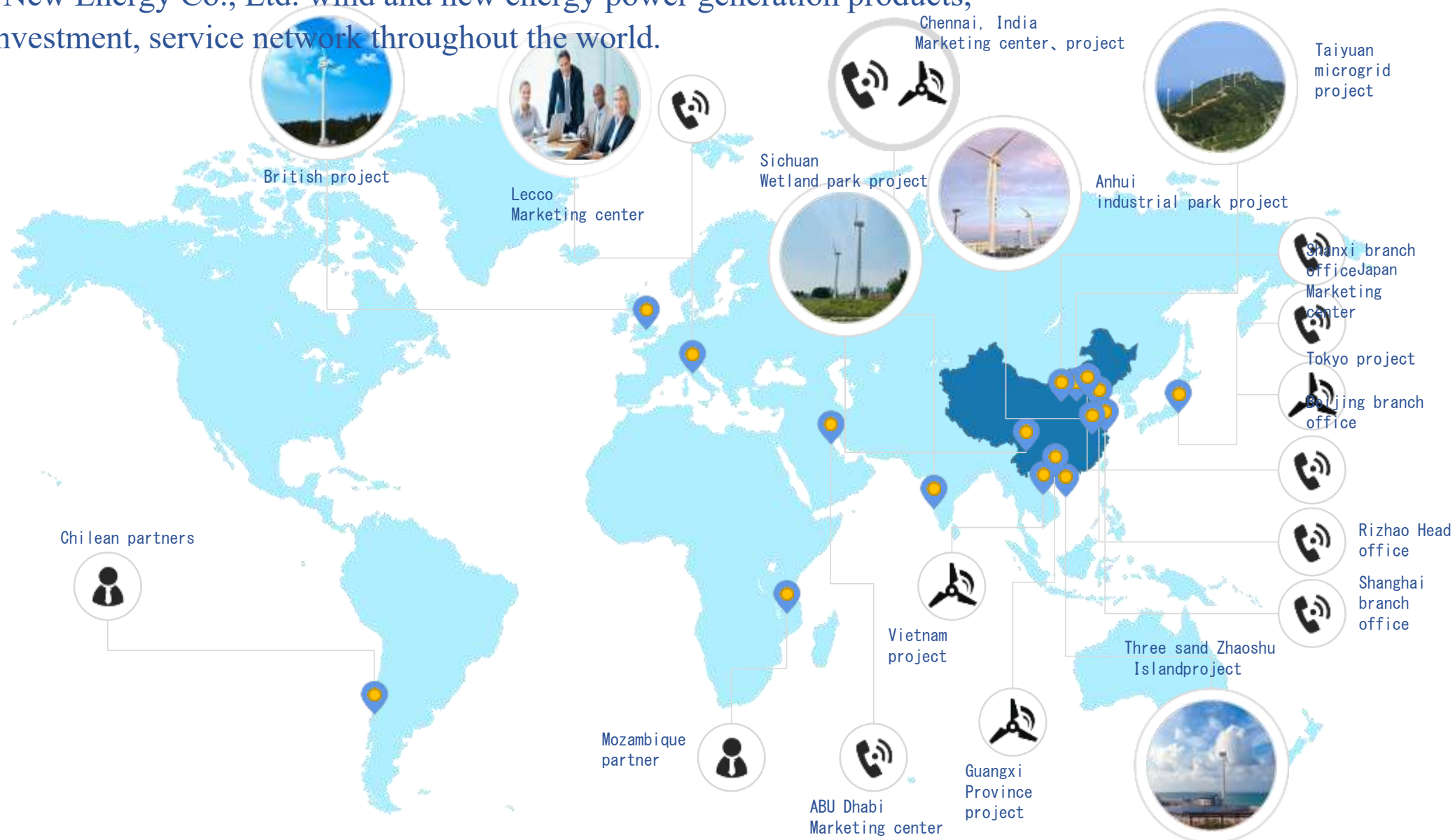
- ◆ Full Power Inverter
- ◆ Low Voltage Ride Through
- ◆ Industrial PLC Control
- ◆ SCADA Remote Control
- ◆ Convenient Installation, Operation and Maintenance
- ◆ Low Noise, Small Footprint
- ◆ Customizable and OEM Processing



Global marketing map

JENMOUR
NEW ENERGY

Jemour New Energy Co., Ltd. wind and new energy power generation products, projects, investment, service network throughout the world.



Application scenarios



Zero Carbon Campus Application



Industrial park low-carbon application



High-speed service park application



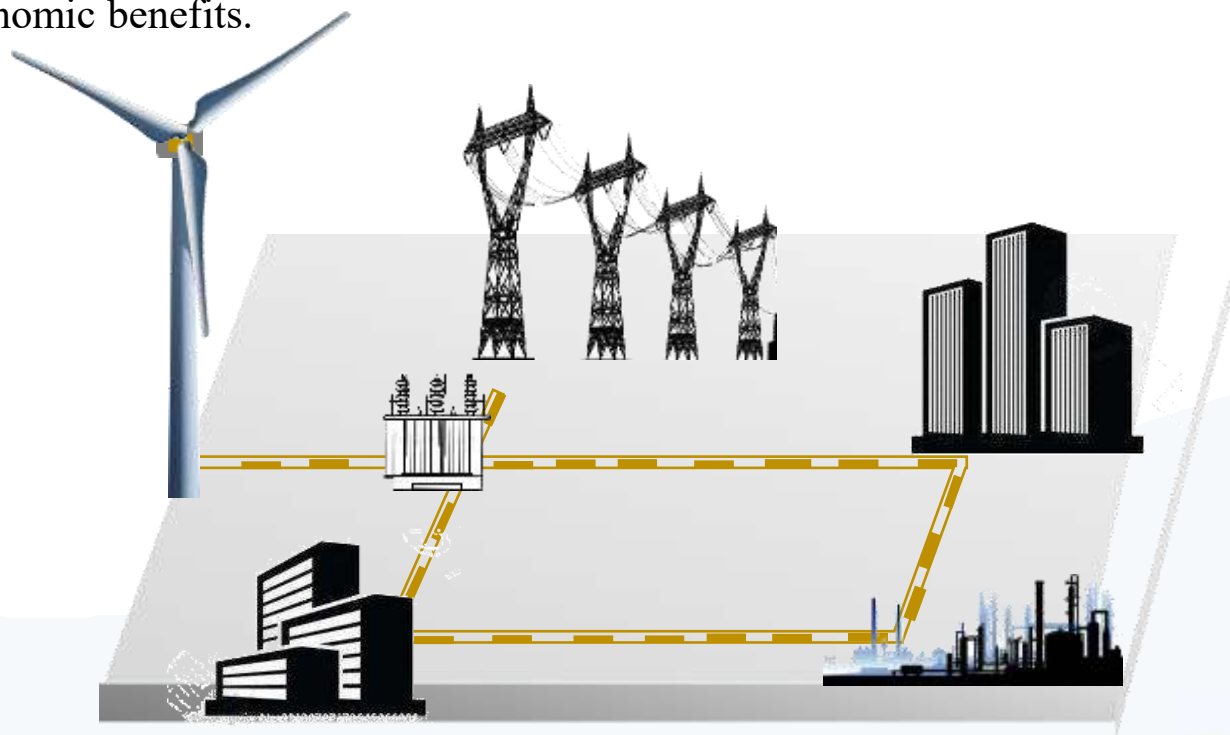
New rural construction application



Sea port and wharf application

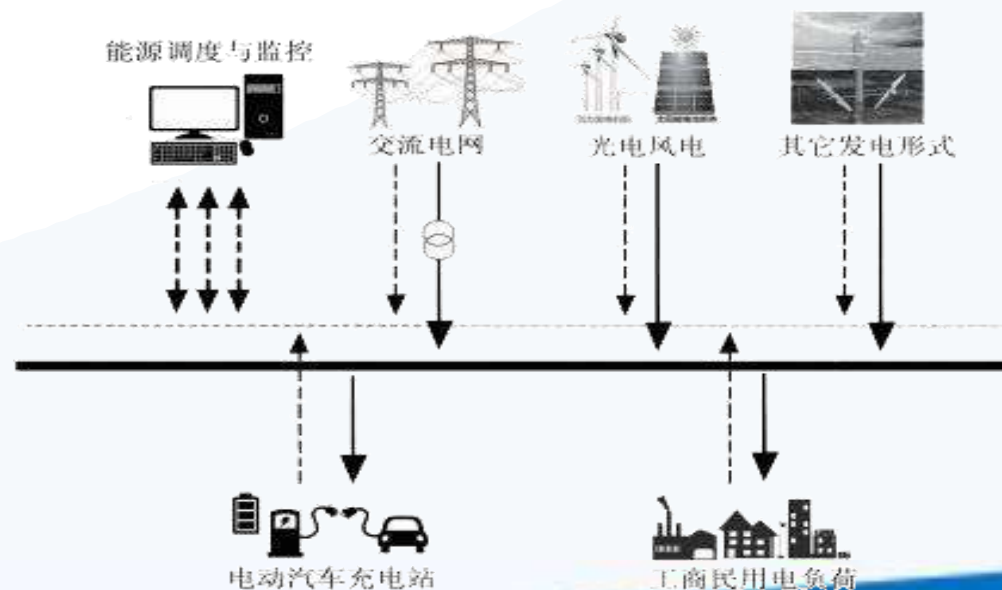
On-grid Microgrid Solutions for Enterprises and Parks

Adopting the mode of self-use and surplus electricity online, our company signed the Contract Energy Management Agreement with enterprises and parks to cooperate with the completion of project approval. Using clean and green electricity at a much lower price than industrial and commercial electricity. At the same time, surplus electricity can be connected to the Internet, which can increase economic benefits.



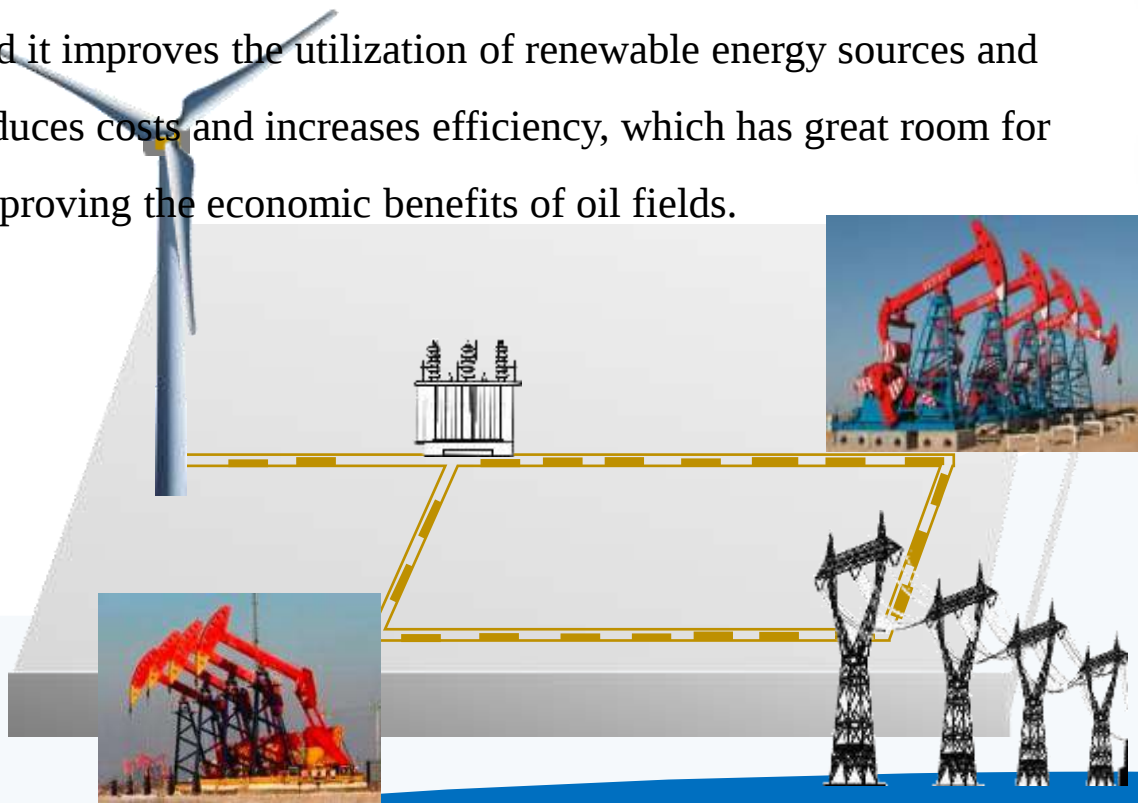
Grid-connected microgrid

Grid-connected microgrid is mainly used in industrial parks, mining areas, enterprises, towns, gas stations and other places where there are power grids. Through the energy management system to achieve multi-energy complementarity.



Oilfield Microgrid Solution

Adopting the mode of self-use and surplus electricity online on the internal grid, the distributed wind energy system of oil Wells is an important part of the future smart grid, which plays a significant role in building the green corporate image of oil fields and it improves the utilization of renewable energy sources and reduces costs and increases efficiency, which has great room for improving the economic benefits of oil fields.

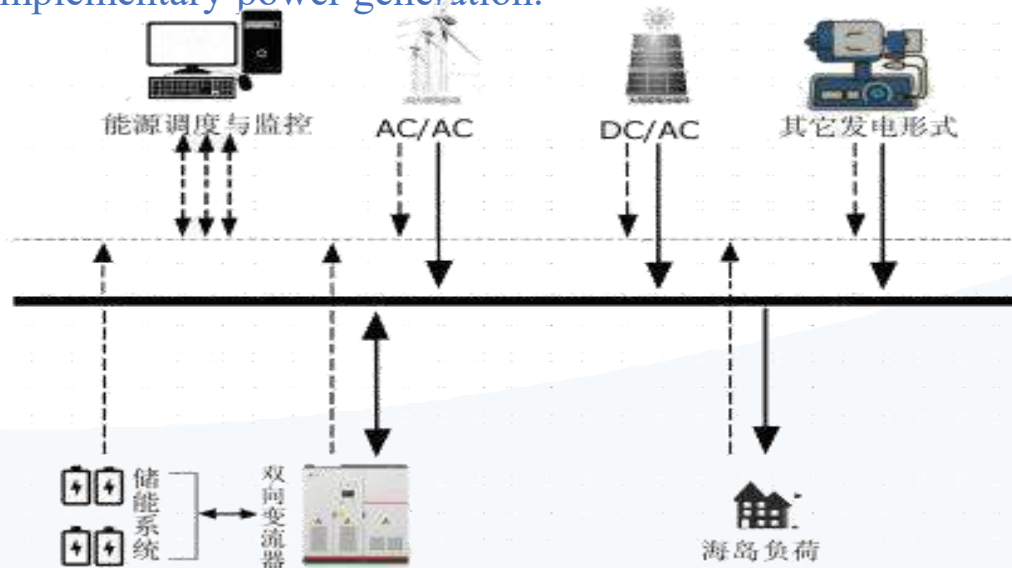


- 1 Optimize the phenomenon that the power factor of pumping unit is low and the line loss is high due to the long line in the mining area**
- 2 Improve the phenomenon of poor power supply caused by 6KV single-loop radial overhead laying;**
- 3 Solve the situation of peak electricity consumption in summer in mining areas, periodic power restrictions, and impact on production efficiency;**
- 4 Reduce the large industrial electricity price at the end of the oil production area to save costs for the oil field ;**
- 5 Innovate the power supply mechanism of the oilfield to realize the reality of green energy use and low-carbon development of the oilfield.**

Off-grid Microgrid Solution

Off-grid microgrid, comprehensive energy solutions

Off-grid microgrid is in the place where the large power grid cannot be laid, using the small power generation, transmission, distribution, electricity consumption and energy storage system established in the region, adopting the way of multi-energy complementary power generation.



Kilowatt wind turbine household, small collective solutions

Kilowatt wind turbine provides a rich solution for animal husbandry, agricultural households, scenic beauty, lighting, remote islands, guard posts, service areas and other small collectives.



Offshore "Fuyao "Project



Total Completed Off-Shore Wind Turbines 90GW

Offshore centralized projects
[Current total installed capacity 90GW]



Completed On-Shore Wind Turbines 150GW

Gansu onshore centralized project
[total installed capacity of more than 150GW]



Rural towns develop decentralized wind power projects



Completed Smart Micro-Grid Anhui Project

Smart Micro-grid project in Anhui Industrial Park



Completed Shangdong Industrial Park Project

Smart Micro-grid project in Shangdong Industrial Park



Completed Overseas Project

Overseas distributed energy projects



Completed Rural Project

Rural revitalization new energy project



Completed Oil Field Project

Oil field scenery complementary project(more than 300 sets)



Completed Single Unit Oil Field Project

Oil field unit project



Completed Island Smart Microgrid Project

Islanding Smart Microgrid Project



Completed Shangxi Mining Project

Shanxi Mining Distributed New Energy Project



Completed Parking Lot with BESS Project

Wind photovoltaic new energy storage parking lot project



Completed Base Station Project

Base station wind and light storage project



Completed Household Project

Household scenery storage project



- **Energy Generation Provider:** Jenmour invests in and operates distributed power stations to distribute wind power, solar, hydrogen with BESS. We can provide for project feasibility study, exploration and site selection, wind resource evaluation, road acquisition, EPC project construction and asset operation and mangement.
- **Joint Venture Provider:** Jenmour interested in Joint Venture development of distributed wind power projects with renewable energy project developer to provide distributed wind power and or other renewable energy projects uner profit sharing.
- **Direct End User Provider:** Jenmour is interested in distribution of renewable energy directly to industrial parks, export processing zones, commercial users with discounted electricity on a 25 years power purchase agreement and or under lease with option to buy but rental rates is base on electricity consumption on a prepaid system.
- **EPC & OEM Supplier:** As Jenmour can act as a EPC contractor and or Equipment and or OEM Supplier for other power generator and providers.

Building an Informatization Park



Improve the quality of the digital economy



Promote industrial digitalization

Building Zero Carbon Industrial Park



The whole plant area is laid with photovoltaic panels to realize the park's self-use

Promote energy conservation, emission reduction and waste heat recovery in data centers through cloud, AI, 5G and other technologies;

Build a "zero" carbon industrial park to build a greener and more sustainable earth.

Acting in the Dual Carbon Target Action



A total of 157MW of distributed new energy projects have been developed in Guangxi, Ningbo, Shandong, Japan and other places, which can reduce carbon emissions by about 170,000 tons per year.



460KW Smart Photovoltaic Carport

Up to now, the Jenmour Industrial Park has completed 15MW photovoltaic power generation projects, which can reduce carbon emissions by about 15,000 tons per year.

During the 14th Five-Year Plan period, Jinma New Energy is expected to have an installed capacity of about 1GW °

Company Profile (Fine Chemistry)

Branch Introduction

Rizhao jinhu Jinma Chemical Co., Ltd. has always maintained the world's leading level of product research and development and quality. As a leading enterprise in the production of carboxylated styrene butadiene latex in the Asia-Pacific region, it has built a provincial engineering technology center for synthetic latex, and is a latex manufacturer with the largest investment and leading quality in China. The drafting of the National Standard of Carboxylated styrene butadiene Latex has filled the gap in the national standard of the product.



Company Profile (Fine Chemistry)

Company Profile (Fine Chemistry)



Feedstock tank farm



The main process reactor



Main control room

Company Profile (Building Material)

Branch Introduction

Building
Decoration

Main Products Introduction

► Windows and doors ► Curtain Wall series ► Steel structures

Jinma Rihui pour the greatest energy, the pursuit of the highest product performance quality. Study every detail that affects product performance, optimize product solutions, carefully control the quality of products and components, and standardized R & D processes lay a solid foundation for Jinma Rihui's high-performance products.



Building doors and windows series

1、High-end doors and windows

- ▶ Passive doors and windows
- ▶ Aluminum-wood composite doors and windows



2、mid-end doors and windows

- ▶ Aluminum broken bridge system doors and windows
- ▶ Aluminum-plastic composite system doors and windows



3、Low-end doors and windows

- ▶ Ordinary aluminum broken bridge doors and windows
- ▶ Ordinary aluminum-plastic composite doors and windows
- ▶ Plastic steel doors and windows



4、Door series

- ▶ Pingkai business ▶ folding door
- ▶ Lifting ▶ Induction
- ▶ sliding door ▶ sliding door



Quality comes from rigorous research and development and testing. Jinma Rihui Testing Center checks all materials, components and finished doors and windows layer by layer to ensure that the sound insulation, energy saving, wind resistance, waterproof and sealing performance of all series of doors and windows products fully meet the design requirements.

Company Profile (Building Material)

卓越品质 因为专业

Building curtain wall series products

1、Glass curtain wall ➤ Glass Curtain wall

Huadi Yuanjing Large Curved Hollow Glass



2、Metal curtain wall

- Aluminum Curtain wall
- Copper plate and copper mesh curtain wall



3、Stone curtain wall

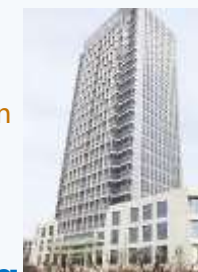
- Stone curtain wall
- Ceramic curtain wall



4、New energy curtain wall

- Solar Photoelectric Glass Curtain Wall

Photoelectric curtain wall of R&D building in Rizhao High-tech Zone



Our company has a complete range of building curtain wall products, strong production capacity, comprehensive protection from raw materials, processing technology, tooling and equipment, excellent quality and high cost performance.

Steel structure series

- ▶ Portal steel structure
- ▶ Grid steel structure
- ▶ Frame steel structure
- ▶ Cable membrane steel structure

Steel structure is a structure mainly composed of steel materials, and it is one of the main types of building structures. The structure is mainly composed of steel beams, steel columns and steel trusses made of section steel and steel plates, and the components or parts are usually connected by welds, bolts or rivets. Because of its light weight and simple construction, it is widely used in large factories, stadiums, super high-rise buildings and other fields.

Our company's steel structure construction qualification is Grade I, and the scope of steel structure projects that can be constructed is not limited.



Weihai Gemini steel structure designed and constructed by the company

The entrance of the civil air defense project of Haiqu Road in Rizhao City, which was designed and constructed by the company, innovatively adopted the suspended cable structure.

Company Profile (Building Material)

Some project photos



Hotel-海纳君豪
商务酒店



Office
building-华地



Center
building-万基航
贸中心

JENMOUR

THANKS!

JENMOUR NEW ENERGY
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Trust us.

Will become your most reliable partner.

