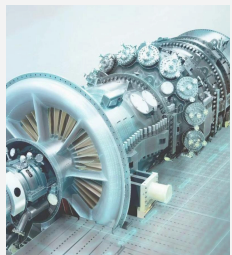




Shenzhen Stock Exchange : Finework Technology  
Stock code: 301232

# Finework(Hunan) New Energy Technology Co., Ltd.



**WIND ENERGY**



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+86 0736-6689739



Sales2@shfinework.cn



www.hnfinework.com



总部  
Headquarters

湖南省常德市桃源县陞市镇东新路  
Dongxin Road, Zoushi Town, Taoyuan County,  
Changde City, Hunan Province, PRC.



## Introduction

- Finework Tech. was founded in 2012, located in Changde, Hunan Province, China. A listed company on Shenzhen Stock Exchange's GEM since June 2023.



No. of Employees: **2000+**

- Leading wind energy fasteners suppliers in global. Focus on **High-strength fastener R&D**, manufacturing and providing fastening system solutions.



Output Value: **1.8 billion CNY**  
/Year

- Expanded to high-end equipment manufacturing users in industrials of aerospace, oil&gas, nuclear power, construction machinery, etc to be the Second Growth Curve.



Factory Area: **200,000m<sup>2</sup>+**



# Our History

FINEWORK

2007

Our first factory was built in Shanghai.



2016

The company's output value exceeded to 100 million yuan, and was listed on the New OTC Market (Beijing)



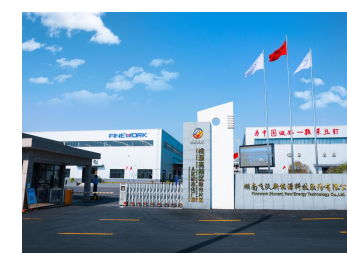
2019

The company launched new products for wind power like turbine bolts, anchor components, etc..



2021

The company **expanded** its business from wind power to aviation, aerospace and petroleum.



2024

The company establishes three **new subsidiaries**: Yingji, Zhilingyun, and BoTe Aviation.



2012

The factory was relocated to Hunan. Finework (Hunan) was founded.



2018

Finework's factory **expanded** and modernized and standardized facilities were introduced.



2020

Awarded as the single champion of PRC Ministry of Industry and Information Technology (MIIT), Hunan Top 100 Manufacturing Industry.



2023

Shenzhen Stock Exchange's Growth Enterprise Market rings the bell for **listing**.



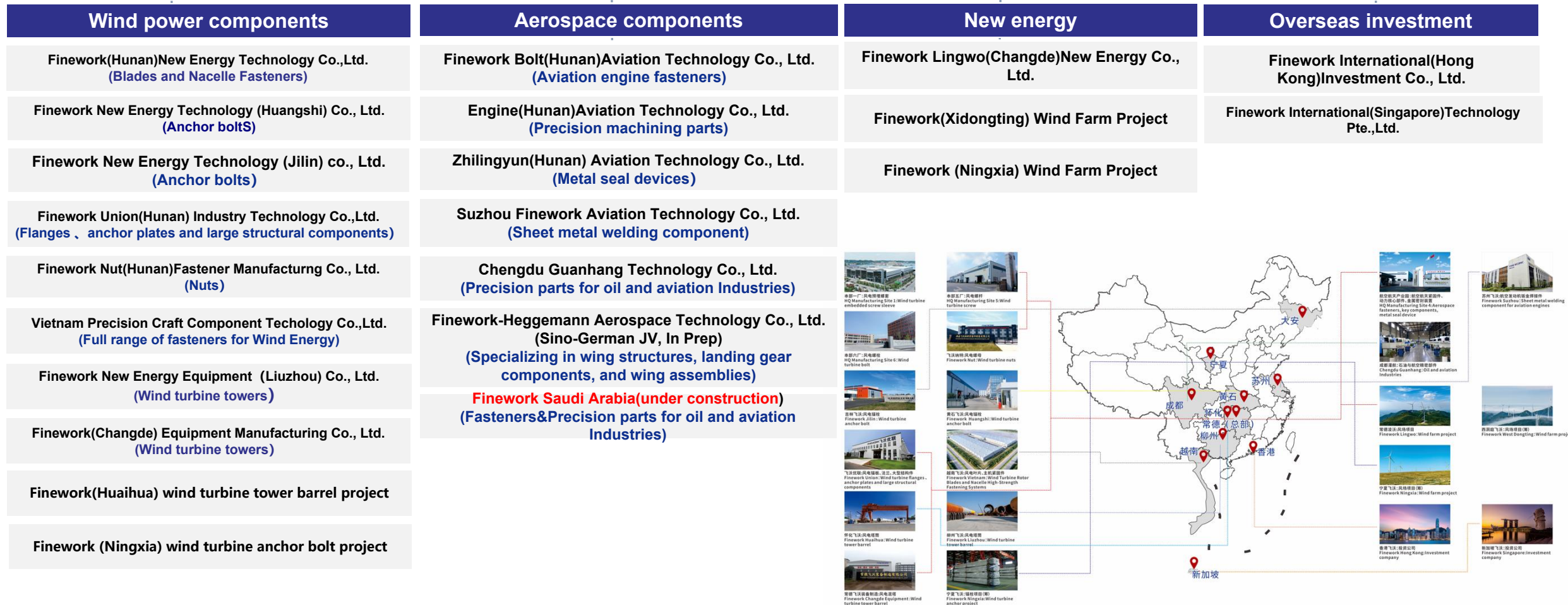
2025

Wind Energy: Vietnam plant settle down; Wind towers & farms projects launched. Aerospace: Acquires Chengdu Guanhang subsidiary.

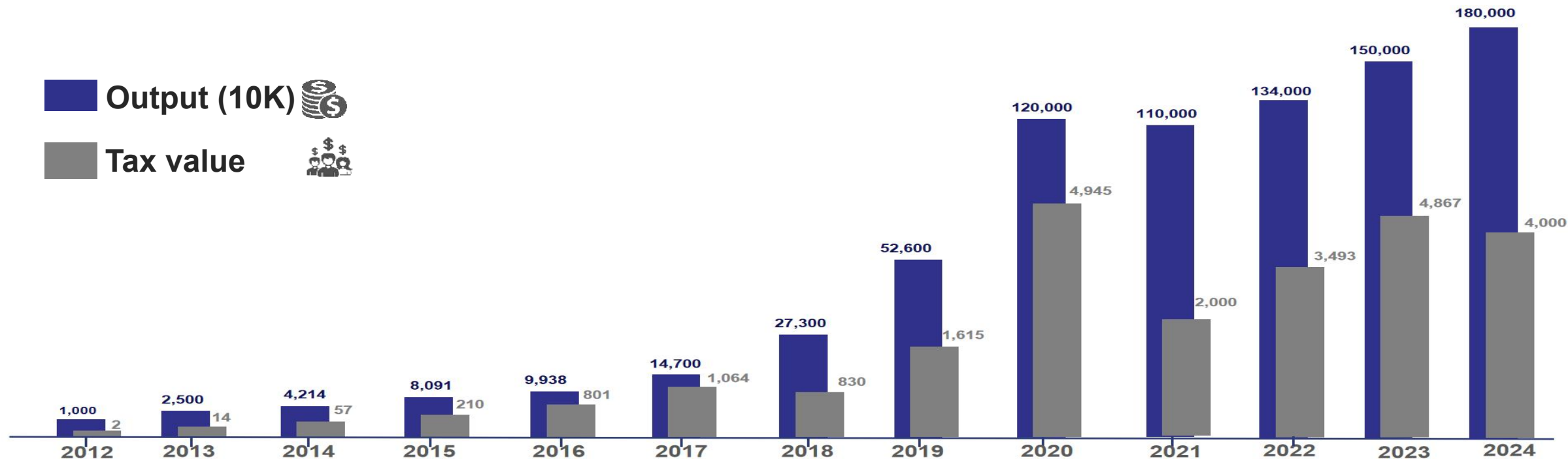


# Organization Structure

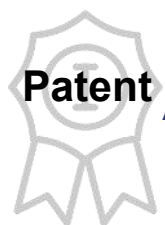
## Finework (Hunan) New Energy Technology Co., Ltd. (Headquarter)







**A 12-Year Leap: Scaling from RMB 1 Million Startup Capital to RMB 1.8 Billion in Output Value.**



**Patent**

**75+** items

Authorized Patent

**24** items

Software Authorships

**36** items Patent for Invention

**37** items Utility Model Patent

**8** items Leading Participation  
Indeveloping



**Honor**

Global market share of embedded  
screw sleeve of wind turbine blade **No.1**

National Intelligent **Manufacturing Pilot**  
Demonstration Enterprise by MIIT

# Wind Energy—Overview and Product Portfolio

**FINEWORK**



- Qualified by LM and stepped into wind energy industry in 2012 as a global blade bushing supplier
- Expanded product portfolio from blade connections to full range of wind turbine fasteners
- The biggest wind energy fasteners supplier with a global market coverage (#1 since Year 2020)
- Customer portfolio enlarged from wind turbine manufacturers, OEM players, EPC contractors to utility operators
- Wind tower manufacturing and wind farm project set up in 2025

Annual output: **150,000 Metric Tons**

Factory Area: **180,000m<sup>2</sup>**

Full in-house manufacturing

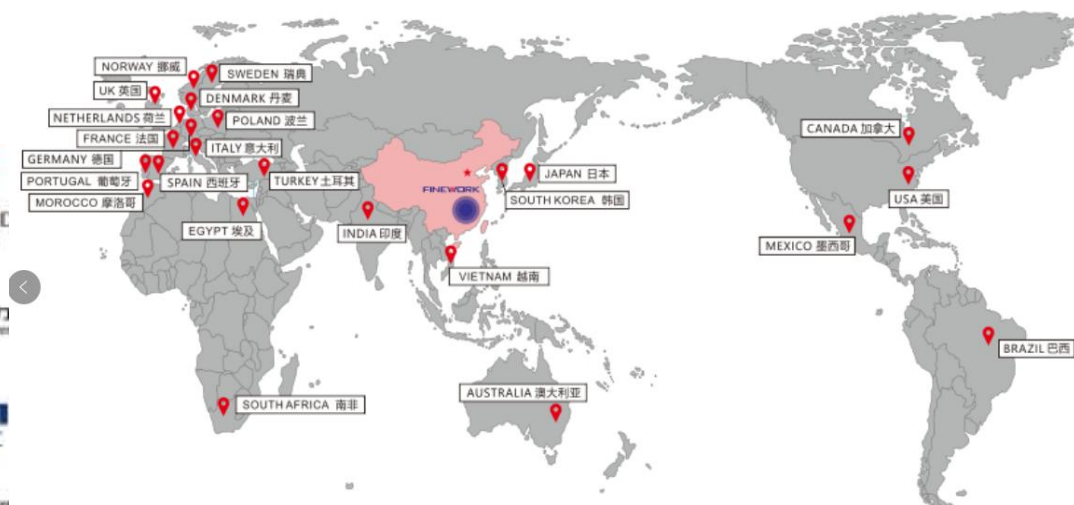


# Wind Energy—Customer Portfolio

## Global



## China





# Wind Energy—Capability

FINEWORK

## Automatic manufacturing lines for bushing

### ● Material loading system

Automatically loading material, adjust the supply speed of loading materials, voice and light warning for workpieces shortage

### ● Forging automatic sysetm

Composed of robot, medium frequency machines and punching machines. One robot controls 6 medium frequency heating stations

### ● Drilling flexible manufacturing system

Composed of drilling machines, robots and loading system. Loading and unloading worpieces by robots. Pecise drilling holes, pre-warning during manufacturing process

### ● Machining flexible manufacturing system

One robot and 4 NC lathes collaborative turning operation, clamping and loading workpieces automatically

### ● Automatic cleaning system

Automatically grasp workpiece with truss-type manipulator. Soak and dry the cleaning grooves automatively

### ● MT automatic system

Automatically loading workpieces, control the feeding speed according to the operation of the magnetic particle detection lines, warning for material shortage automatically

### ● Automatic zinc spraying system

Automatic loading the workpieces , controll spray gun by advanced sensors and servo motors. Workpieces are driven by the frequency conversion motor to rotate at a constant speed to ensure the spraying quality



1、Cutting



2、Forging



3、Drilling



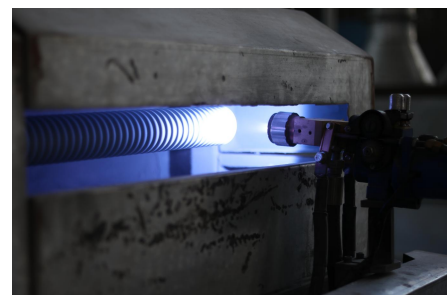
4、Machining



5、Automatic Cleaning



6、MT



7、Zinc Spraying



8、AGV Trasit



## Automatic manufacturing lines for stud bolts

- **Automatic production lines for cutting and chamfering**  
Two sawing machines with a double-head chamfering machine are closely connected to cutting machine as a automatic line
- **Automatic production lines for boring and extruding**  
Six boring machines are connected with one extruding machine. Save transit time and manpower cost
- **Automatic production lines for turning**  
Different processes are connected through the product conveyor chains continuously with the self-developed integrated control system
- **Marking - Threading automatic lines**  
Marking, threading and visual checking are closely connected to realize the automatically operation
- **Threadling- cleaning- MT automatic system**  
Threading process is connected to the cleaning machines and automatically transit to the MT process. After the MT is qualified, move the material rack with robot. By remote monitoring



1、Cutting&Chamfering



2、Boring



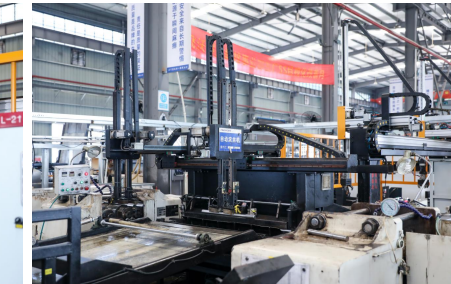
3、Extruding hole



4、Turning



5、Marking



6、Threading



7、Cleaning



8、NDT



9、Coating



10、Packing



## Automatic manufacturing lines for Hex-bolts

- **Turning and testing automatic system+Hot forging automatic**

Automatic production for cutting, rough turning and forging process with online testing

- In-house design and development of integrated automatic control system to get online switch of process parameters and pre-warning of manufacturing process done

- **Threading- cleaning- MT automatic system**

Self-designed and developed an integrated control system to achieve automated online production of hex bolt threading, cleaning, and NDT. Reduce the transit time and man power cost.

- **Automatic coating line**

- Realize the cooperative operation mode of shelf, drive system, palletizing tooling and palletizing cars

- Online process parameters switch and automatic pre-warning in manufacturing process

- **Automatic packing line**

Robots equipped with specialized fixtures to replace manual handling, the workload on personnel has been significantly reduced. Work efficiency improved by 160%. The integration of vision systems, counting systems, weight-bearing systems, and automatic label printing and affixing devices has **effectively mitigated issues such as material mixing and inaccurate quantities that are often associated with manual operations.**



1、Cutting



2、Forging



3、Turning



4、Threading



5、Cleaning



5、NDT

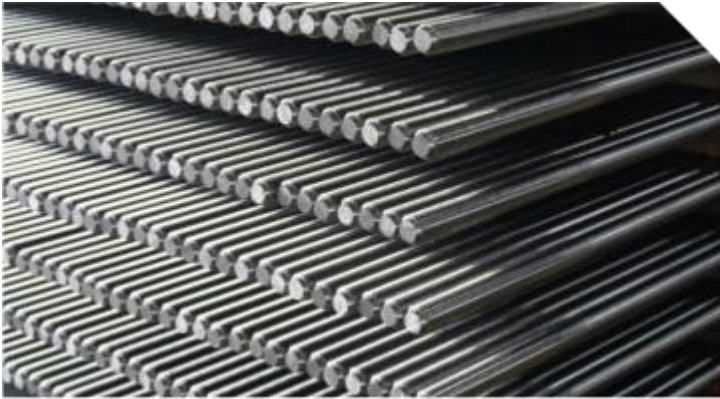


5、Coating



5、Packing





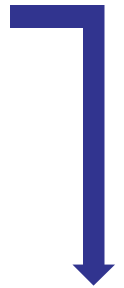
Heat Treatment



Peeling



Straightening



## Anchor Bolt

- Annual capacity: 50,000 metric tons
- Max. in size: M72
- Max. in length: 12meters
- Surface treatment: HDG & others



Packaging



Surface Treatment



Thread Rolling

## Flanges (Anchor Plates)

- Annual capacity: 20,000 tons
- Maximum Diameter: 8 meters
- Surface treatment: Zinc Thermal Spraying and others



## New setup in 2025-Wind Towers

- Manufacruting base: Changde City, Huaihua City, Liuzhou City
- Capcity:
  - a) Steel tower: 250 sets
  - b) Concrete tower: 100sets
- Highlights:
  - a. Welded steel construction
  - b. Leading manufacturing process
  - c. Experienced engineering



**Steel Tower**



**Concrete Tower**



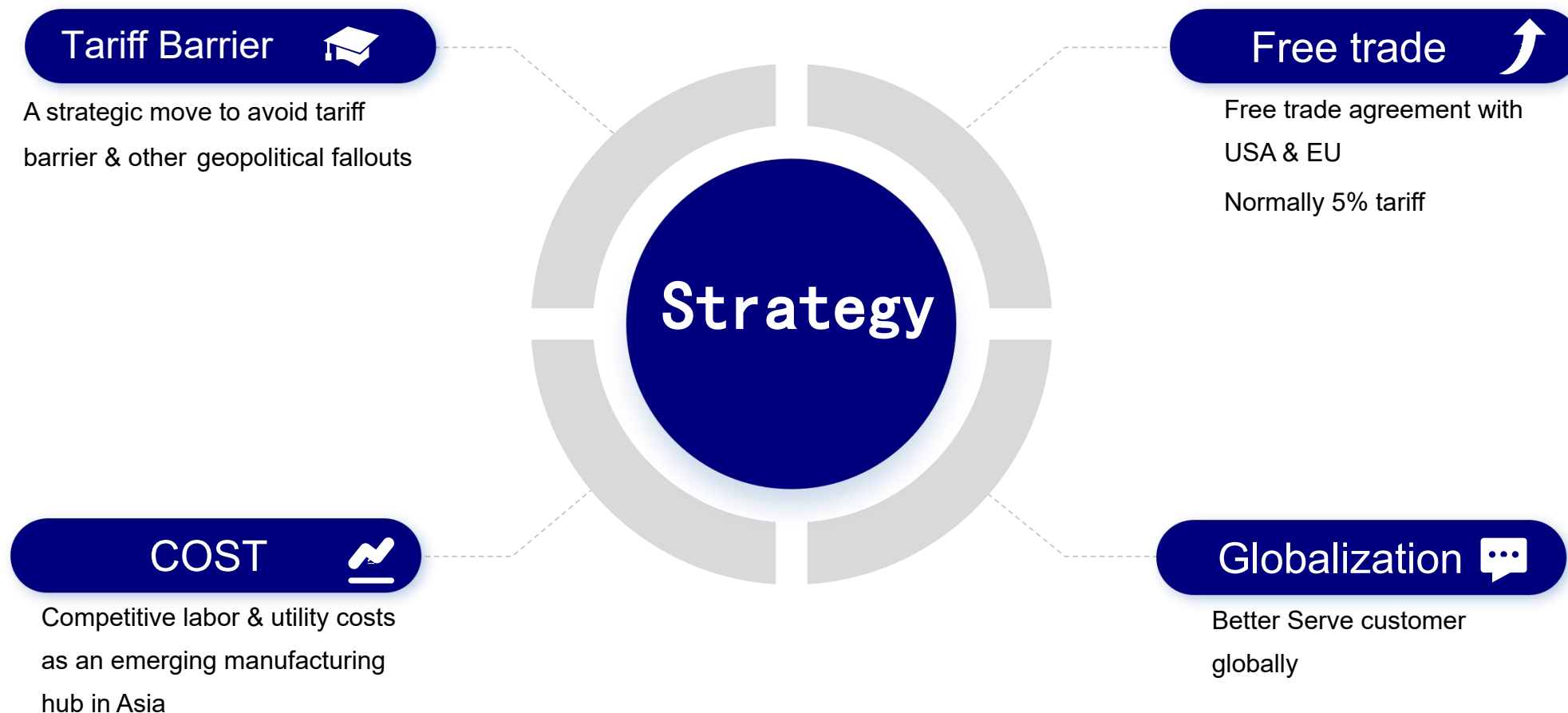




## New setup in 2025-Wind Farms

- Location:
  - a) Hunan Changde
  - b) Ning Xia Wuzhong
- Capacity: 1.4GW
- Investment: 10 Billion CNY

## Why build a factory in Vietnam?



# Wind Eenergy—New Production in Vietnam



- Location: Nam Dinh Vu Industrial Park, Haiphong City, Vietnam.
- Temperature: Monthly average temperature is 20~23 °C.

Location	Distance
Hai Phong Train Station	15 km
Deepwater Port	15 km
Highway	7 km
Airport	12 km
Hanoi city center	105 km



Category	Construction	Trial Manufacturing
Insert/ Stud	Sep./2023- Jul./2024	In trail manufacturing
Nacelle & Tower Bolt	Sep./2023- Sep./2024	In trail manufacturing
Anchor cage	Sep./2023- Oct./2024	TBD
Flange (TBD)	Sep./2023- Mar./2025	TBD

# Full In-house Manufacturing Process



## Heat Treatment

Production lines: 10+  
Capacity: 100,000 metric tons/Year



## HT—Magnetic Induction

Production lines: 5  
Capacity: 50,000 metric tons/Year



## Hot Forging

Production lines- 10+  
Capacity: 100,000 metric tons/Year



## Machining

CNC #: 500 units+  
Capacity: 10 Million pieces



## Thread Rolling

Production lines: 10+  
Capacity: 100,000 metric tons/Year  
Max. in Size: M72



## Coating

Production lines: 8+  
Capacity: 100,000 metric tons/Year  
Coatings available: GEOMET ,MAGNI , DELTA-MKS ,ZINTEK ,  
HDG, Zinc THERMAL SPRAYING



# Non-destructive Testing

- PT, UT, MT and other non-destructive testing capabilities
- PT & MT level 3 qualification certificates.



UT

UT Level III certificate



MT

MT Level III certificate



PT

PT Level III certificate





**ICP Testing**



**OES Testing**



**ONH Testing**



**CS Testing**



**XRF**



**NSS**



**Digital Microscope**



**Hardness Testing**



**Metallographic Microscope**



**Vibration Testing**



**Durability Testing**



**Fatigue Testing**



**Torque**



**Room Temperature Stretching**



**High Temperature Stretching**







**Coordinate Measuring Machine**

**Model**  
CromaClassic8106/  
800\*1000\*600

**Monitoring Project**

Precision Size  
Measurement

**Accuracy**  
0.0001mm



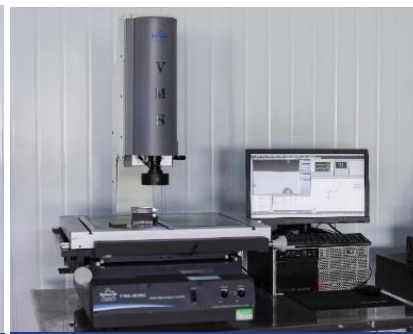
**Digital Altimeter**

**Model**  
Mitutoyo (Japan) LH-  
60

**Monitoring Project**

Precision Height  
Measurement

**Accuracy**  
0.0001m  
m



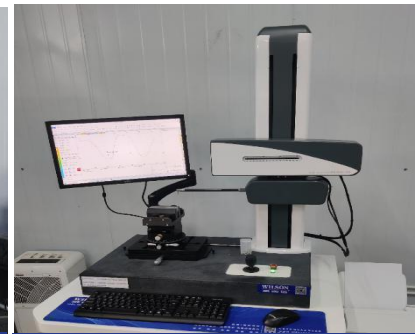
**CNC Projector**

**Model**  
RPI VMS-4030G

**Monitoring Project**

Precision Projection  
Measurement

**Accuracy**  
0.001mm



**Profilometer**

**Model**  
Wilson Precision MMD-  
HPG150TSL  
**Monitoring Project**

Precision Contour  
Measurement

**Accuracy**  
0.005mm



**Roundness Tester**

**Model**  
Mahr Group. MMQ44

**Monitoring Project**  
Precision Roundness  
Measurement

**Accuracy**  
0.0001m  
m



**Gear Testing Center**

**Model**  
PREC30

**Monitoring Project**

Precision Gear  
Measurement

**Top to bottom distance**  
15-500  
m

# Qualification and Certificates



ISO 14001



ISO 16949



ISO 9001



IATF 16949



GL



CNAS(ISO/IEC 17025)



TPG-Heat Treating



TPG-NDT



NADCAP(MT&PT)



AS9100D



API-20E



API-20F



➤ **Strive for 30 years to build tens of billions of fastening-tech industry**

**--dedicated to become the Global Leading High-strength Fastening System Provider**

**1.5 billion**

No.1 in Global Wind-power  
Fastener Manufacturing

**3 billion**

Rank Top 10 in Global Aerospace  
and Engines High-strength Fastener  
Manufacturing

**10 billion**

Rank No.5 in Global High-  
strength Fastener  
Manufacturing

2023

2030

2040



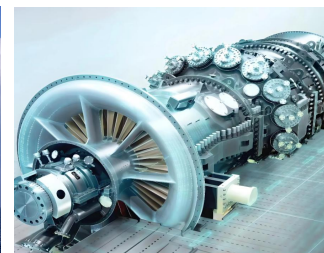
Wind Power  
4 billion



Aerospace  
3 billion



Petroleum  
1 billion



Gas Turbine  
1 billion



Ship or Vessel  
500 million



Engineering  
Machinery  
500 million

(in RMB)



Shenzhen Stock Exchange : Finework Technology  
Stock code: 301232

# Thank you!

To be Global Leading High  
Strength Fastening System

Provider



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