



# COOPER NEW ENERGY




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## 库珀新能源股份有限公司

Cooper New Energy Co., Ltd.

# COOPER

## Strong R&D team---

Decades of experience in independent R&D and design in the global new energy field.

## The service team is sincere and responsible---

All-day service response mechanism to meet customers' requirements.

## The engineering team is meticulous and professional---

Strict engineering acceptance standards, quality is valued by everyone.

## COOPER COMPANY PROFILE

- Cooper New Energy Co., Ltd. was founded in 2011, is an international group company. Cooper focuses on new energy integrated equipment manufacturing and scientific and technological innovation research and development, and its main business covers many sectors, such as high-altitude lifting equipment, safety protection equipment, turbine supporting equipment, energy storage equipment, structural parts integrated equipment, intelligent equipment, engineering services, etc.
- Cooper is headquartered in Tianjin, China, with standardized production bases in Hebei, Jiangsu, Gansu and Yan 'an in China, R&D centers and production bases in Germany, Brazil and other places. Cooper is a national high-tech enterprise and a national "little giant" enterprise with a total of more than 150 patents. Cooper gathers the world's leading talents in the field of new energy, focuses on the industry technology innovation, focuses on the layout of intelligent equipment area, a number of technologies break the foreign monopoly, and achieve the real "intelligent manufacturing in China" in the field of high-end new energy equipment.
- With a full series of low-carbon technology solutions and comprehensive benchmarking demonstration project, Cooper has reached long-term strategic cooperation with China Huaneng Group, State Power Investment Group, China Marine, Three Gorges Group, Goldwind Technology, Yuanjing Energy, Mingyang Intelligent, Vestas, Siemens-Gamesa and other well-known new energy enterprises at home and abroad. Cooper takes "green, cooperative and sustainable" as its core value, and is committed to "promoting energy transformation and creating a new era of energy".

## HONORS AND QUALIFICATIONS

- National high-tech enterprise, China Quality Association rated AAA quality credit enterprise, China Occupational Safety and Health Association of high-altitude service branch member.
- A national "little giant" enterprise.
- Committed to the construction of "quality, safety, environment" integrated management system, technology-led, innovation-driven!
- ISO9001 / ISO14001 / ISO45001 authentication, won many titles.
- More than 150 patents have been obtained worldwide.



## ENTERPRISE VISION

Cooper is committed to promoting energy transformation and creating a new era of new energy

**5000+** MORE THAN 5000 CATEGORIES OF PRODUCTS

**50+** MORE THAN 50 INTERNATIONAL STANDARD CERTIFICATION

**150+** MORE THAN 140 PATENTS TECHNOLOGY CERTIFICATION



With the mission of  
“Let the future have more blue sky”



**Wind energy**



**Soler energy**



**ENTERPRISE VISION**



**Energy Storage**



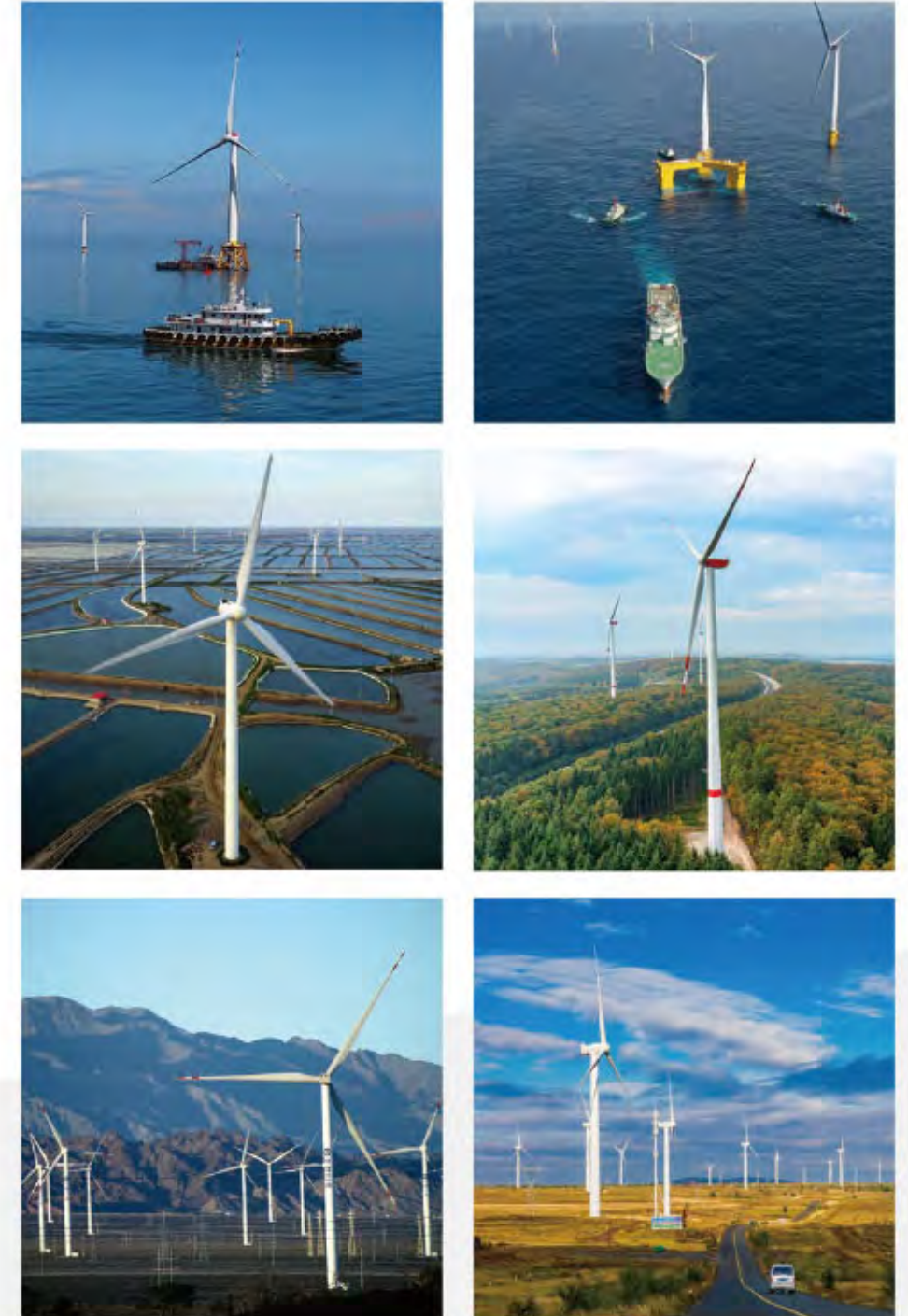
**Hydroge energy**

# 01 Wind Energy

## WIND POWER EPC PROJECT

Development and optimization of EPC turbine of wind tower  
Wind energy EPC · Concrete tower integration · Lattice tower

### Cooperation and development of offshore and onshore wind farms





# Offshore Wind Products



## Tower tube

- 01. Offshore environmental control (salt spray) system
- 02. Floating magnetic platform



## Lighting Products

- 01. Offshore berthing lights, aviation lights



## Structural parts

- 01. Offshore cage system
- 02. Offshore anti-corrosion coating
- 03. Blast-Wall



## Spreader tooling

- 01. Offshore crane
- 02. Offshore intelligent equipment (spreader, tooling, blade stacking)



## Nacelle products

- 01. Offshore nacelle crane
- 02. Functional structural parts



## Safety products

- 01. offshore escape emergency cabin
- 02. offshore safety (Self-Retracting Lifelines)
- 03. Pedestrian trestle



## Basement products

- 01. Offshore base tower



## Service

- 01. Offshore hoisting operation and maintenance vessel leasing
- 02. Regular inspection and commission of the whole turbine
- 03. Offshore large parts maintenance (gearbox, generator, blade)





## Onshore Wind Power Products



### Tower products

01. Tower tube
02. Tower interior platform
03. Environmental temperature control system (fresh air, air duct)
04. Damper (liquid, solid)
05. Tower sealed door, tower step ladder
06. Twisted cable protection



### Lighting Products

01. Lamps (nacelles, towers, hubs, UPS)
02. Aviation beacon lamps

### Safety products

01. Self-Retracting Lifelines Anti-fall device, speed differential
02. Safety Escape Kit



### Spreader Tooling

01. Single blade spreader
02. Transportation and hoisting tooling
03. Barring system
04. Draught system

### Lifting products

01. Servicelift
02. Ladder
03. Free climb/ climb aid

### Wind resource

01. Anemometer tower system (Electrical, Structural, Construction)

### Nacelle products

01. Nacelle structural parts/metal parts
02. Tower slip ring
03. Smoke sensor, blinds, cooler, anemometer
04. (500-1000kg) Nacelle crane (500-1000kg)
05. fire extinguish system

### Accessories

01. Blade load vibration monitoring system
02. Cable matching (cable tray, mesh sleeve, seal, clamp, spacer)
03. Spoilers, cable ties, high-strength bolts, etc.
04. Packaging, cable sealing, safety lifting points

# 02

## Solar Energy

Cooperation and development of decentralized and centralized photovoltaic electric fields



### Products

01. Photovoltaic modules
02. Photovoltaic inverter (string type)
03. Photovoltaic combiner box
04. 35KV switchgear, transformer (grid-connected system)
05. Centralized inverter booster all-in-one machine
06. Communication system, monitoring (monitoring) system
07. UPS power cabinet (optional)
08. Security system, fire extinguish system and lighting
09. Photovoltaic intelligent equipment (optional)
10. Photovoltaic intelligent cleaning robot



### Accessories

01. Photovoltaic bracket
02. Electrical cables, accessories terminals, PE pipes



### Construction Products

01. Installation project





# 03 Energy Storage

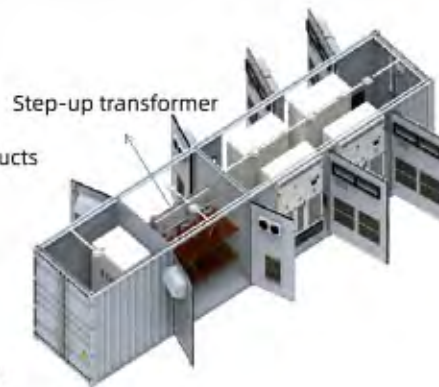


## Products

- 01. Energy storage container
- 02. PCS Energy storage inverter PCS
- 03. EMS Energy Management System EMS
- 04. Battery management system BMS
- 05. SCADA remote monitoring
- 06. Fire protection system
- 07. Energy storage battery
- 08. Pack and module components

## Service

- 09. Cooling system
- 10. Harness accessories
- 11. Energy storage transformer (optional) energy storage products
- 01. Design fee
- 02. Debugging and acceptance
- 03. Civil construction and electrical installation, decoration



# 04 Hydrogen Energy

1 Integrated design and development of hydrogen refueling station



3 Co-development of hydrogen fuel cells



2 One-stop solution for hydrogen fuel storage and transportation



4 Integrated manufacturing of hydrogen production equipment and structural parts



## BUSINESS AREA

Cooper's products and services involve global new energy fields, industrial lighting fields, industrial high-end manufacturing fields, public and infrastructure construction, aerospace fields, hydrogen energy and energy storage fields, military fields and other industry sectors, providing global customers with local One-stop system solution

## DESIGN AND DEVELOPMENT



# Cooper New Energy



## Integrated self-source distributed intelligent control system



Smart Device Management



Visual data statistics



Efficient cleaning task settings



Automate preset tasks



Real-time monitoring of operating status



Error alarm



Economic Benefit Analysis

# STRATEGIC PLANNING

