

SINCE 2001

Qingdao Huastro

www.huastro.com

Strive for a Greener Earth



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01

Company Overview

HUASTRO
華斯壯

Higher Stronger Greener



Development History

HISTRO
海斯壯鋼構 | 傳統鐵塔領域

2001

Qingdao HISTRO Iron Tower

Communication towers, power towers, broadcast television towers, etc

SINOSTRO
中天斯壯

2012

Qingdao SINOSTRO

Renamed as SINOSTRO, primarily engages in steel structures, broadcast and TV towers, wind power towers, and related businesses.

HUASTRO
華斯壯

2018

Qingdao HUASTRO

After completing the strategic transformation, HUASTRO mainly engages in the research and development, manufacturing and installation of wind turbine tower technology, energy-saving technology and environmental protection technology. It has mature technology for new wind turbine towers of 140 meters and above, and provides technical consultation and services to various energy companies and OEMs.

About HURSTRO

Prestressed steel tubular frame wind turbine tower



Monopole tower



Transition section



Box-type transformer platform



Frame tower



Four-point foundation



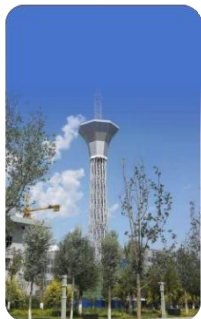
HURSTRO collaborated with Tongji University on technical research and successfully developed the "prestressed frame anti-fatigue steel tube wind turbine tower technology." This technology has applied for and obtained over 30 invention patents and utility model patents and has been authorized by the patent offices in the USA, Europe, and India.

02 | Core Business



Broadcast and TV Tower

158 m



207 m



286 m



354.8 m



180 m



168 m



Wind Tower

2.0MW/140m



2.5MW/160m



3.6MW/160m



4.5MW/170m



6.25MW/185m



03 | Company Qualifications

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Company Qualifications



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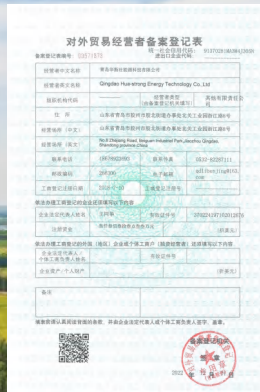
First-level steel structure certification



C E certification



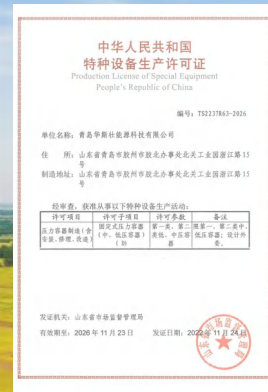
Foreign trade operator registration



185-meter CGC certification



Special equipment production license



HUASTRO
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Spain

Netherlands

France

Germany

United Kingdom

Sweden

Italy

04

Technical Advantages

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High Reliability

01

High structural stiffness
Avoids resonance

02

Strong load-bearing capacity
Enhances tower fatigue resistance

03

Steel high-rise structure
High rigidity, light weight
Low seismic load

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Green Technology

01

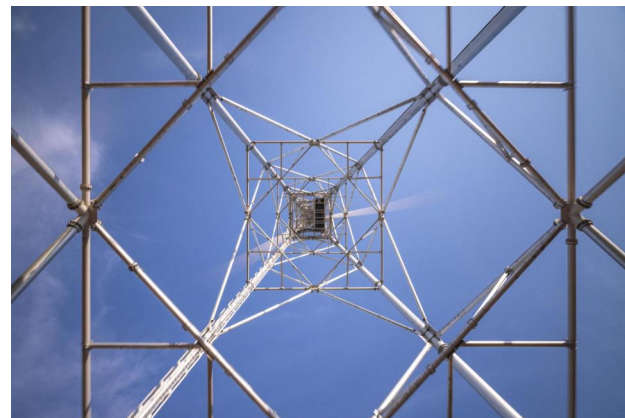
Reduce raw materials — lower steel usage and decrease concrete in pile foundations and caps.

02

Reuse — designed for a service life of over 20 years, and can be reused after inspection and approval.

03

Recycle — no blasting required after the lifecycle; the frame structure is easy to dismantle and recycle, allowing for safe disposal.



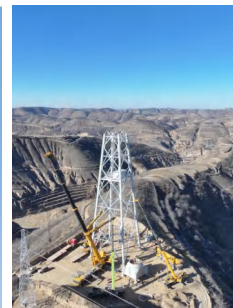
Green Technology



01 Convenient transportation — frame components are small.

02 Efficient installation — each unit takes 7-10 days to install.

03 Save on cable costs:
Mount the box-type transformer on the tower to reduce low-voltage cables;
Place crossarms on the tower to save on underground cables!



Green Technology



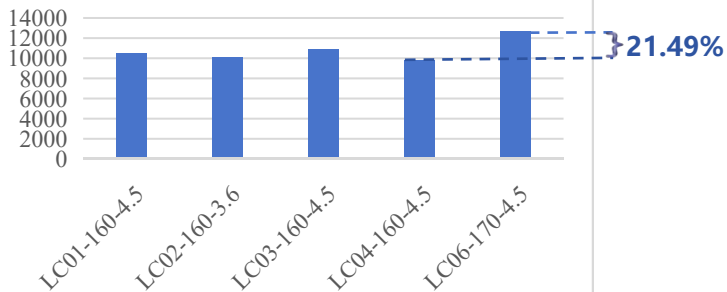
Height advantage
Increase power generation
Enhance project net profit

AND



Lifetime maintenance-free
Inspections replace maintenance
Drone inspections

华益里岔风电场年合计发电量
2022.5-2023.6

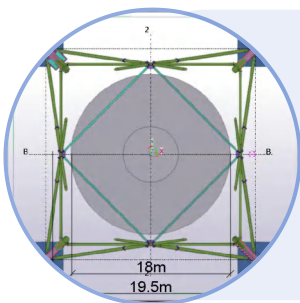


Multi-scenario application



Adaptable to diverse scenarios

Suitable for construction over ponds, ditches, and roads, with tower base space allowing vehicle passage; applicable to unused rural land; adaptable for uneven terrain like mountains; ideal for high-shear areas; suitable for flood zones.



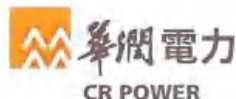
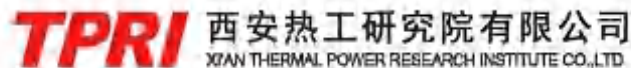
Adaptable for renovating older and smaller wind farms

Using prestressed frame tower technology, there's no need to remove the original foundation. The new four-point foundation is built over the existing one, reducing removal costs, minimizing excavation, and shortening the construction period.

05

Partners





THANKS

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