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Heracles

Rack and Pinion Service Lift

A Brand New Solution for High Towers

Company Introduction

Ficont Industry (Beijing) Co., Ltd.

Ficont Industry (Beijing) Co., Ltd. (SH605305) is a China-based leading provider of equipment and services for people working at height. Our products have been applied in 16 different industries and exported to 65 countries. Our core business is the wind energy industry. With our strong focus on R&D, we have been granted for more than 800 patents and obtained over 100 global safety qualification certificates. Ficont Industry has won many national awards, including “Specialized and Sophisticated” Enterprise, Intellectual Property Advantageous Enterprise and Demonstration Enterprise of Manufacturing Laureate.

Headquartered in Beijing, 3S INDUSTRY has a factory in Tianjin, and wholly-owned subsidiaries in Plano (USA), Hamburg (Germany), Chennai (India), and Tokyo (Japan). We currently have over 800 employees. Our global after-sales service teams provide on-site installation and maintenance services for our customers around the world. This way, 3S INDUSTRY ensures quick and reliable technical support, offering end-to-end one-stop service for our customers.

With our 3S brand creed Safe, Simple, Specialized, we are dedicated to our mission of providing products and services that exceed customer expectations. We strive to make our products the best in their field. We use scientific and technological innovation to drive the development of integrative solutions that serve people working at height.

900+

Employees

300+

R&D Technicians

800+

Global Patent Applications

100+

International Patents

100+

Global Qualifications

10+

Global Standards

65

Countries Markets

16

Industries



R&D Center in Beijing



Factory in Tianjin



North America Branch in Texas



Europe Branch in Hamburg



India Branch in Chennai



Japan Branch in Tokyo



Heracles

Rack and Pinion Service Lift

A Brand New Solution for High Towers

01 / Ready for Use Immediately

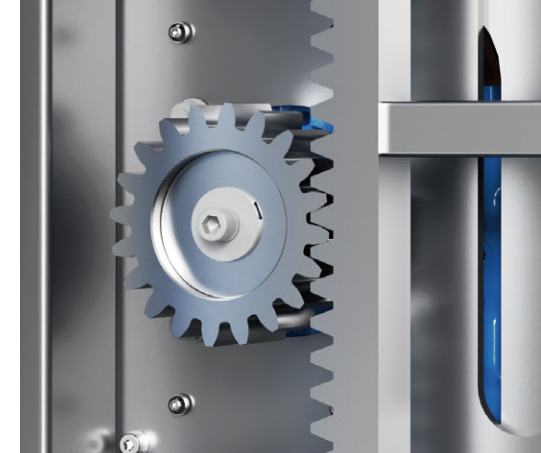
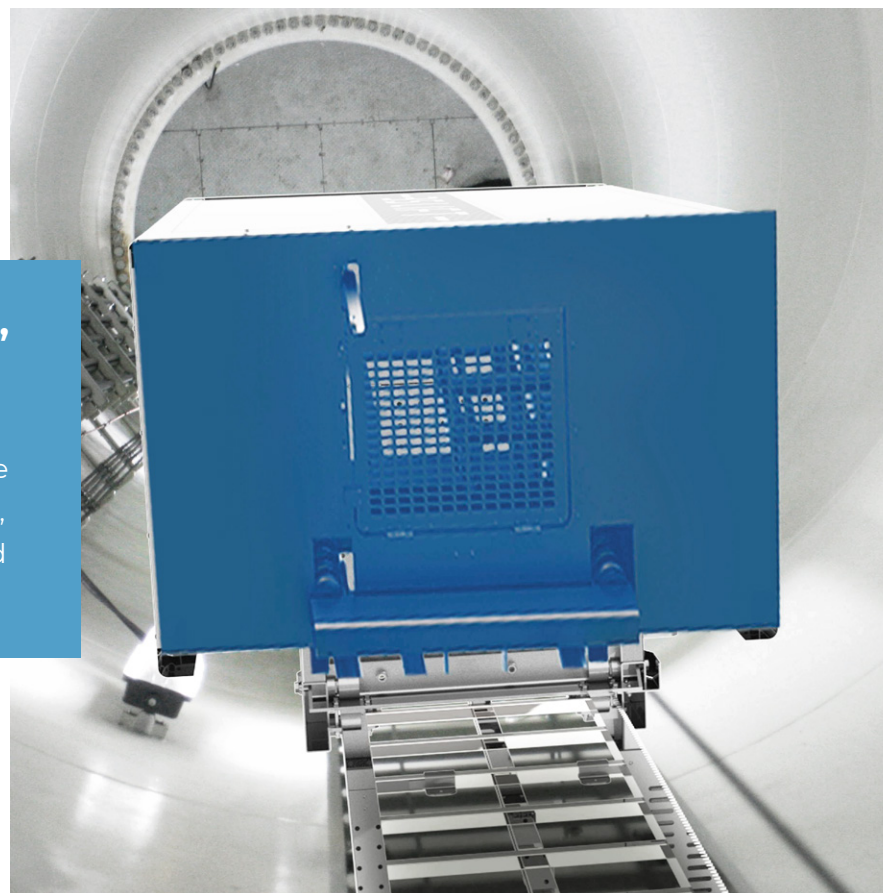
Pre-installed at the tower factory, simply connect and use immediately.

Offshore weather is volatile and tower construction is difficult. Conventional lifts are not installed until after the wind turbine has been erected.

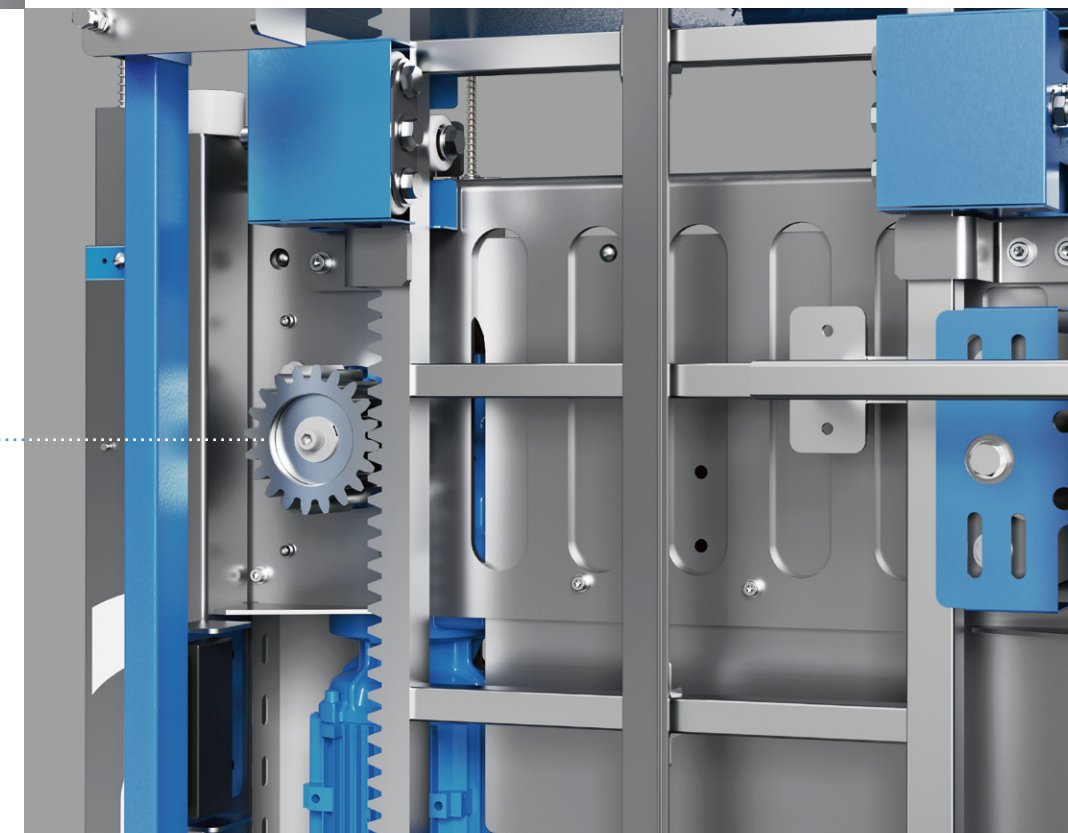
Heracles can be pre-installed at the tower factory and transported to the site with the tower sections. Heracles is powered up and ready for use immediately, increasing the construction's overall efficiency.

The higher the tower, the more time it takes to install

Once the bottom section of the tower has been installed, Heracles is powered up and ready for use immediately.



Rack and Pinion



02 / New Traction System

Rack and pinion ladder guide system

Conventional lifts are prone to sway or wind disturbance, which can lead to wire rope failure.

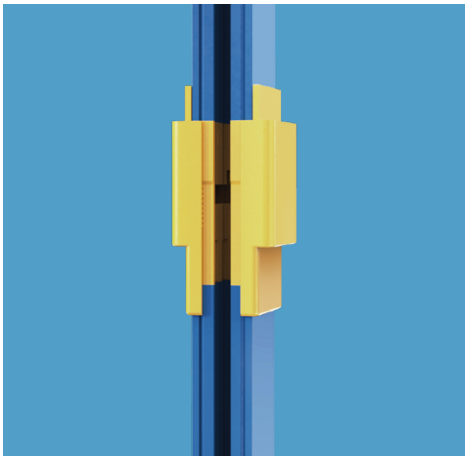
The rack and pinion ladder-guided system makes lifting smoother and eliminates wire rope jerking, hanging rope, tangles and breakages, and other problems.

Advantages of Heracles

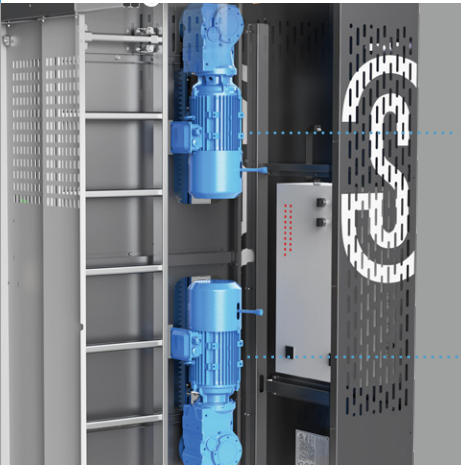
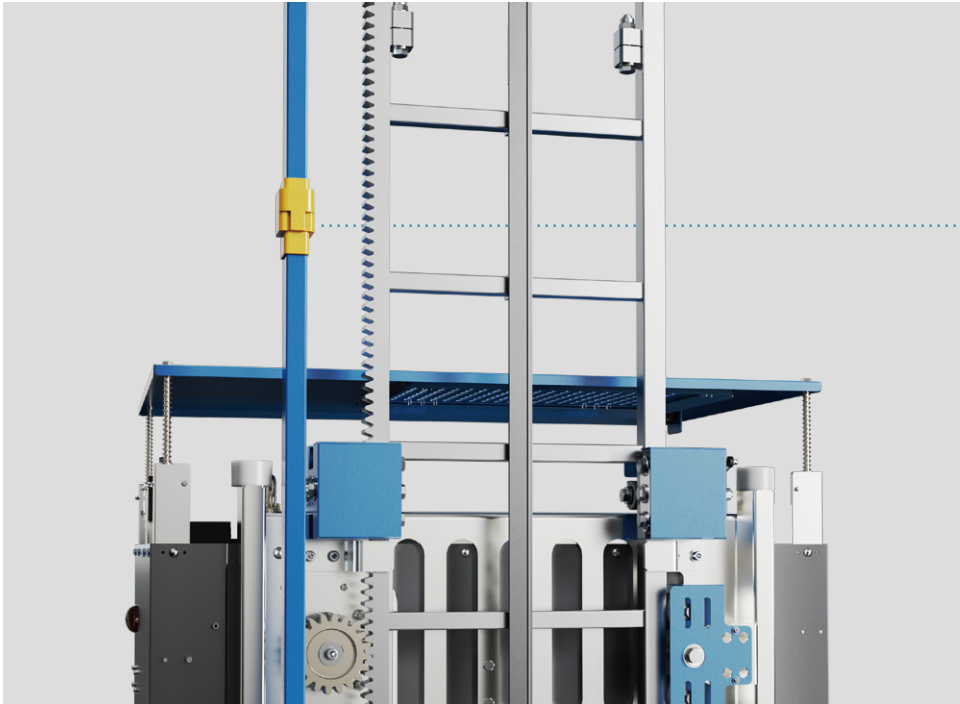
03 / New Power Supply System

Insulated conductor rail without accompanying cables.

The cable is one of the components with the highest failure rate in conventional lifts. Thanks to the use of an insulated conductor rail power supply, Heracles can effectively avoid the associated poor performance and cord breakage, bulging, sheath damage, abrasion, jamming, and eliminate hidden problems.



Insulated Conductor Rail



Dual-Motor System

04 / Improved Efficiency Faster Lifting, Greater Load

Thanks to the double motor and double gear box, the lifting speed of Heracles is twice that of conventional lift, and its standard load up to 480 kg. These specifications can be customized according to individual requirements.

Advantages of Heracles

05 / New Protection System

Rack and pinion ladder guide system

The manual descent speed of Heracles is 18 m/min and the impact force is only 1/2 of conventional lifts, avoiding issues caused by a high impact force.

Dual motors provide safety redundancy, so the lift can still run at a low load when one motor breakdowns.



Minimize necessary maintenance time and avoid downtime

High tower lifts require extensive maintenance. Every breakdown or maintenance stoppage is an unnecessary cost.



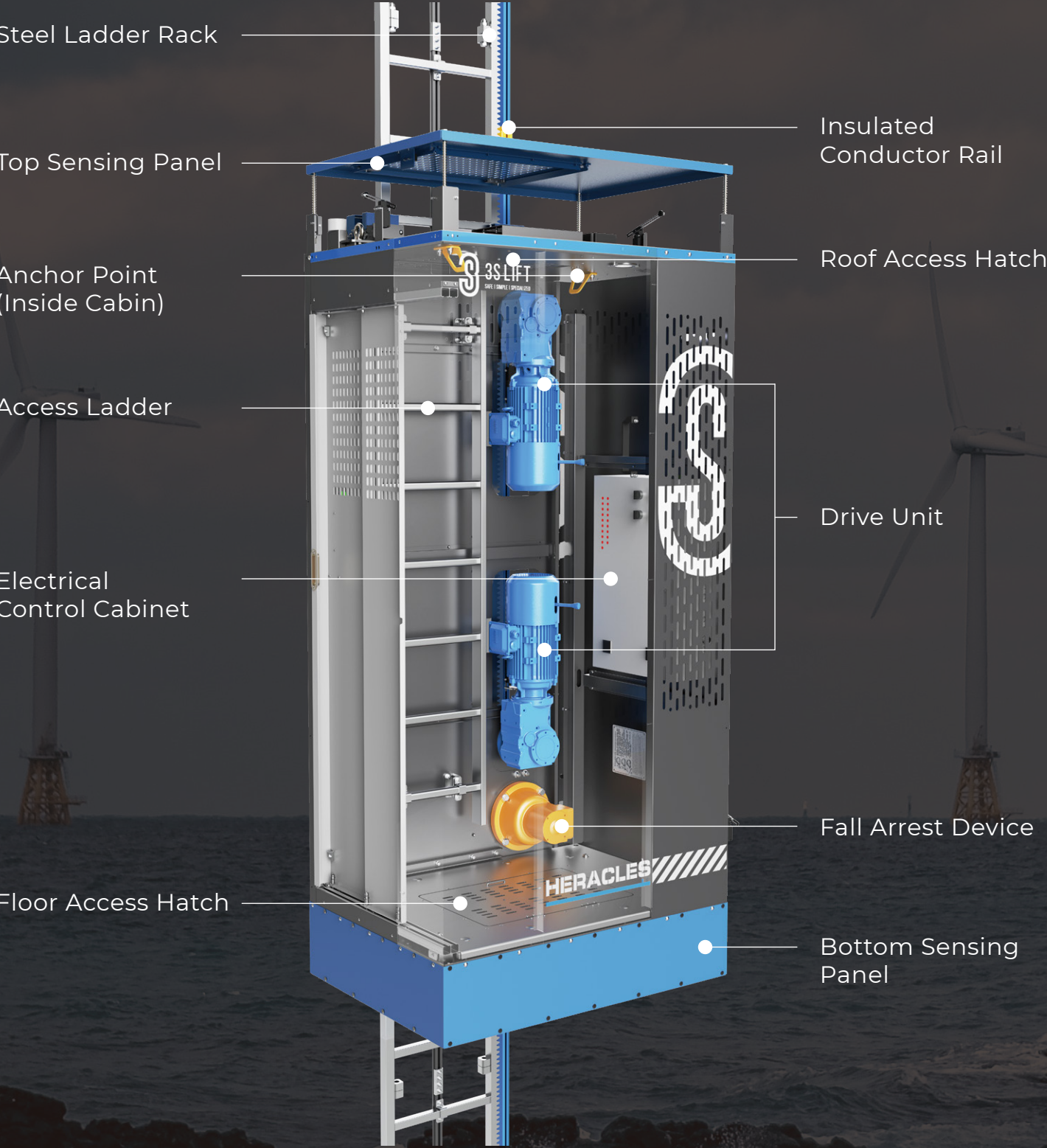
06 / Lower Maintenance

Improved durability, less maintenance

Conventional lifts have higher subsequent O&M costs, but racks are designed to last up to 25 years and do not need to be replaced within the design life, which is 4 times longer than that of wire ropes.

Advantages of Heracles

Heracles Features



Model Overview

Ladder sections of different specifications can be selected to match different Service Lift loads.

Model	H480
Rated load	480 kg
Capacity	4 persons
Motor	2.2/4 kW × 2
Power supply	400 V, 50/60 Hz, 3P+PE
Dimensions (L × W × H)	1200 mm × 860 mm × 2820 mm

Model	H350
Rated load	350 kg
Capacity	3 persons
Motor	1.5/3 kW × 2
Power supply	400 V, 50/60 Hz, 3P+PE
Dimensions (L × W × H)	1200 mm × 860 mm × 2820 mm

Model	H240
Rated load	240 kg
Capacity	2 persons
Motor	1.5 kW × 2
Power supply	400 V, 50/60 Hz, 3P+PE
Dimensions (L × W × H)	1030 mm × 750 mm × 2690 mm

Heracles

The Ideal Solution for High Wind Turbine Towers

The higher the tower, the higher the failure rate of the wire ropes and traveling cables of conventional lifts.

Heracles solves the safety hazards caused by wire ropes and offers more stable operation, and higher efficiency.

After-Sales Service Network

65 Countries

Extensive after-sales service network in 65 countries worldwide to achieve fast and reliable technical support, spare parts, and after-sales service locally.

