



www.3sindustry.com



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**900+**

Employees

**300+**

R&D Technicians

**100+**

International Patents

**70+**

Country Markets

Ficont Industry (Beijing) Co., Ltd. is a China-based leading provider of equipment and services for people working at height. Our products have been applied in 17 different industries and exported to more than 70 countries. Our core business is the wind industry. With our strong focus on R&D, we have been granted for more than 600 patents and obtained over 100 global safety qualification certificates. We strive to support our customers and makes a better future in the field of working at height.

Headquartered in Beijing, 3S Industry has Manufacturing Centers in Beijing and Tianjin. With wholly-owned subsidiaries in Dallas (USA), Hamburg (Germany), Chennai (India), Tokyo (Japan), and Jaraguá do Sul City (Brazil). 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 one-stop-shop 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.



Beijing Headquarters



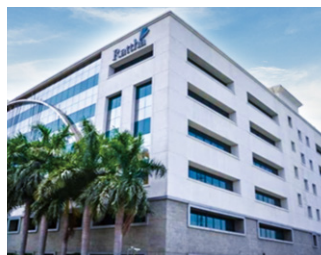
Factory in Tianjin



North America Branch in Dallas



Europe Branch in Hamburg



India Branch in Chennai



Japan Branch in Tokyo



Brazil Branch in Jaraguá do Sul

# RACK AND PINION SERVICE LIFT

## THE IDEAL SOLUTION FOR HIGH TOWERS

The rack and pinion Service Lift travels up and down the guide ladder using a pinion hoist mechanism. Featuring exceptional reliability and streamlined maintenance routines that boost AEP, this model is particularly suitable for offshore wind turbines.



## ■ FEATURES



Enhanced safety thanks to dual-traction system



Steady operation for improved comfort



Insulated conductor rail, more suitable for higher tower



Lift operable even during tower erection stage



**70%** increase in height access efficiency for four persons



**50%** increase in cabin floor area for persons

## ■ SPECIFICATION

### Performance Data

Model	H350
Rated load (kg)	350
Capacity (Persons)	3
Speed (m/min)	18 / 36
Motor (kW)	1.5 / 3 × 2
Power supply	400 V, 50 / 60 Hz, 3P+PE
Dimensions (mm)	1200 × 860 × 2820
Operating temperature	-30 °C ~ +60 °C
Certifications	CE

## ■ PRODUCT DETAILS

### 01 Rack and Pinion Ladder

As the carrier of the lift, the ladder is welded with standard rack and pinion and profiles.

### 02 Top Sensing Panel

When the lift comes in contact with an obstacle, the panel is compressed and a sensor is triggered.

### 03 Driving device

Drive the rack and pinion meshing transmission through the gear motor so that the service lift can descend or ascend towers.

### 04 Fall protection system

When the descending speed of the lift exceeds the preset speed of the fall arrester. It will lock automatically and its indicator in the control cabinet will light up to stop the lift.

### 05 Control Cabinet

As the control system of the lift, the control cabinet is located inside the car.

### 06 Lower Escape Board

Located at the bottom of the lift, it can be opened inside or outside the car for escape or rescue.

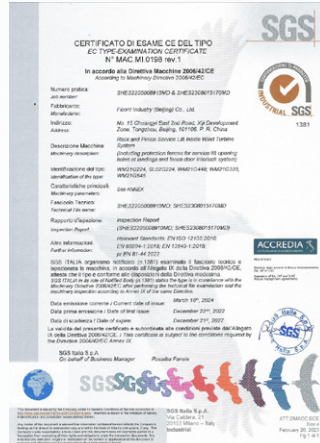
### 07 Insulated Guide Rail Supply System

It serves as the power supply of the lift, replacing the traditional cable.

### 08 Upper Escape Board

Located at the top of the lift, it can be opened inside or outside the car for escape or rescue.





- **12 h** to diagnose fault
- **24 h** to offer solutions
- **48 h** to resolve requirements

