



3S INDUSTRY
SAFE | SIMPLE | SPECIALIZED

INDUSTRIAL ELEVATOR



Company Profile

3S Industry Group INC. 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 make 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), Jaraguá do Sul City (Brazil), and Dubai (UAE). 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.

2005

Year
Established

1st

Market Share in Our
Specialized Segment Within
the Wind Power Industry

600+

Global Patents

11

Global
Subsidiaries

180,000+

Units of 3S Work-at-Height
Products in Service

100+

Global
Qualifications

900+

Employees

5,000+

Wind Farms Utilizing
3S Products

20+

Global Standards



- Headquarters ● Subsidiary ● Countries and regions where 3S LIFT products are used



R&D Center in
Beijing(YiZhuang)



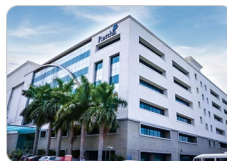
Factory in Tianjin



North America Branch
in Dallas



Europe Branch in
Hamburg



India Branch in
Chennai



Japan Branch in
Tokyo



Brazil Branch in
Jaraguá do Sul

Industrial Elevator

Industrial elevators are designed for high-altitude lifting in industrial applications.

Featuring renowned 3S LIFT rack-and-pinion technology and variable frequency control, our industrial elevators deliver reliable, high-quality performance. Built with durable galvanized components and robust engineering, they offer superior corrosion resistance and thrive in harshest industrial environments, ensuring maximum uptime with minimal downtime. Multiple models provide seamless operation. Key benefits include enhanced productivity, extended lifespan, reduced maintenance costs, and exceptional safety—all designed for strong adaptability across diverse industrial applications.



Product Specifications

Model	SC50	SC100	SC200
Rated load (kg)	500	1000	2000
Speed (m/min)	0-60		
Power supply	380V/50Hz		
Cage dimensions (mm)	1000*1000*2200	1200*1000*2200	3000*1400*2200
Maximum height (m)	300m		
Code Compliance and Certifications	GB/T 26557 ; CE-EN12159 ; Explosion-proof-GB/T 3836		

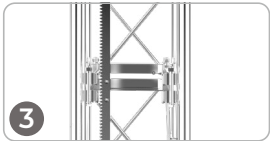
Product Details



Mast Tie



Overspeed Safety Device



Mast Section



Interlocking Device



Constant-Speed Controlled Descent Function



Rack and Pinion Drive



Gear Motor



Frequency Converter



Programmable Logic Controller

Hydropower Dam Shafts

Project Name

Pumped - Storage Power Station

Project Description

The upper reservoir dam is a roller-compacted concrete gravity dam. The total length of the dam crest is 476.8 m, the elevation of the dam crest is 777.60 m, the maximum dam height is 101 m, and the width of the dam crest is 8.0 m

Requirements: High temperature and high humidity & Narrow space & Lifting height: 90m

Solution

Steel-Guided ladders & Aluminum - alloy light - type cage. The customized size of the cage is 950*860*2100mm, with a rated load of 350 kg. The total lifting height is 85.63 m. The wall-attached frame is directly fixed to the concrete structure of the dam body through chemical anchor bolts

Case Results

Since its delivery in 2021, it has been operating smoothly for 4 years without any failure records. It is safe and reliable and has won high praise from the client



Waste Incineration Power Plant - Chimney Internal

Project Name

Environmental Protection Testing Special Industrial Elevator Project

Project Description

An environmental protection testing special industrial elevator shall be installed according to the "Environmental Protection Standard" requirements

Requirements: Small space, 1*1m; Chimney's height: 80m

Solution

Industrial elevator's traveling height is 74m & customized cage (800*600mm). Customized steel ladder with rails, rack and pinion drive(520*1960mm), 2 persons, 400kg

Case Results

The environmental protection testing special industrial elevator runs smoothly and is safe and reliable. At the same time, it does not change the internal structure of the chimney, which reduces the overall construction intensity and has been praised by customers



Coal Power Plant - Chimney External

Project Name

Environmental Protection Testing Special Industrial Elevator Project

Project Description

The height of the chimney (100m), and the continuous emission monitoring system at 38 meters.

Requirements: Low-Temperature Environment (- 40 Celsius)

Solution

The industrial Elevator specifications are designed as below:

Rated load: 450 kg, 3 persons; Lifting speed: 0-0.6 m/s (variable frequency speed);

Cage size: 1000*1200*2200 mm; Two separate doors(enter door & through door)

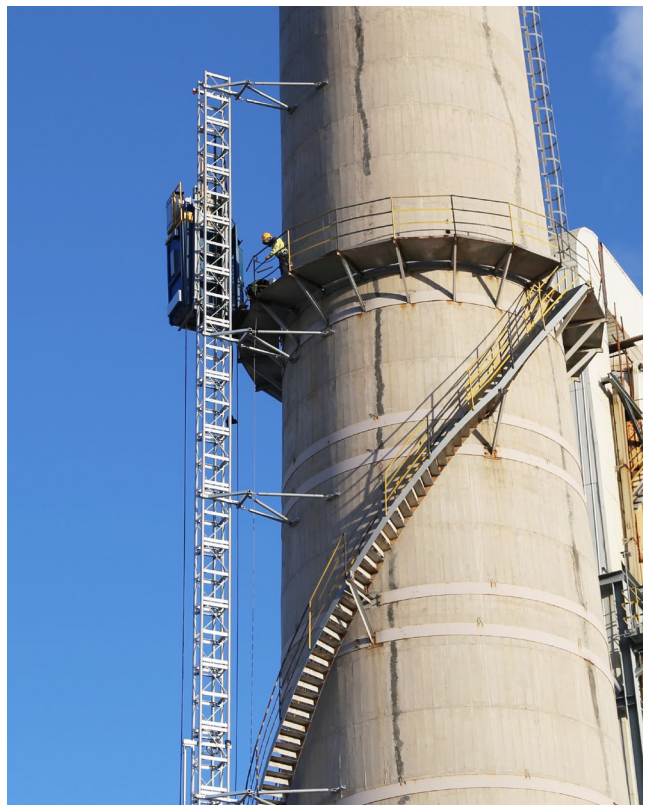
Case Results

Meet the relevant fire safety regulations

Design life: More than 20 years. Working temperature: (- 40 ~ 60 Celsius)

The core drive unit is reliable and has excellent performance.

It is dust-proof and waterproof, and can travel stably, reliably, and safely within its service life.



Thermal Power Plant - Chimney Internal

Project Name

Thermal Power Plant Industrial Elevator Project

Project Description

The power plant's second-stage chimney has a 65-meter platform which can only be accessed using stairs. The Owner requires 3S LIFT to install an industrial elevator which is capable of directly accessing the 65m platform inside the chimney and can stop at the second maintenance platform (40m) and third maintenance platform (65m)

Requirements: Limited space, internal interference

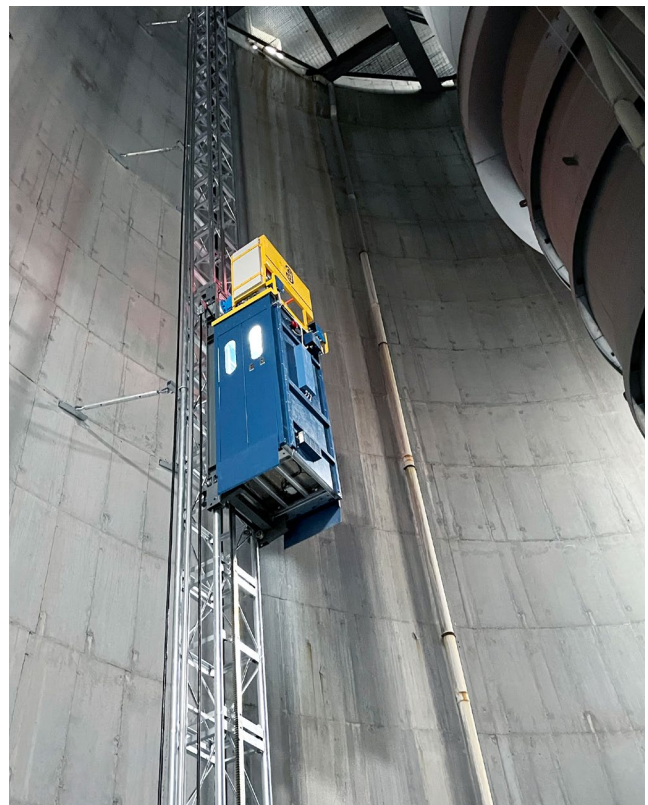
Solution

Install an industrial elevator that can directly reach the 65-meter platform inside the chimney, and can stop at the 40-meter second maintenance platform and the 65-meter third maintenance platform

Customized attachment (up to 4.5m) & Mast section & Cage
Dimensions; Lifting height: 65m & 3 landings (65-40-0)

Case Results

This industrial Elevator is used for both persons and goods. It meets the relevant safety standards and has safety configuration



Satellite Launch Rack

Project Name

Industrial Elevator for the Launch Arm of Landspace (Comparable to SpaceX)

Project Description

With the development of civil aviation, the application of mobile launch racks has increased significantly. The height is usually around 60 meters and the climbing space for personnel is narrow with a lack of safety protection.

Requirements: Limited space (1.1*1.1m)

Solution

A 1508mm * 650mm slice-type standard section & Cage (800*800mm) was adopted. The power supply system adopts a dual busbar & power supply form.

Case Results

Currently, 3S is the only one in China to provide product solutions for such scenarios. Internationally, only Alimak has similar working conditions.



Explosion-Proof Industrial Elevators

Project List

① Shenhua Power Plant - Ordos Cracking Furnace

Requirement: The whole machine shall be Exd IICT4 explosion - proof and provide the whole - machine explosion - proof certification.

② Huisheng Engineering - Chemical Chimney in Qinzhou, Guangxi

Requirement: Electrical explosion - proof Exd IIBT4 for electrical components.

③ Fuhua Chemical Chemical Chimney

Requirement: Electrical explosion - proof Exd IIBT4 for electrical components.

④ PetroChina Dushanzi Petrochemical - Chimney Lift

Requirement: Electrical explosion - proof Exd IIBT4 for electrical components.

The overall mechanical structure shall be designed with reference to the Exd IIBT4 explosion - proof grade.





Scan to learn more



3S Industry Group INC.

No. 11 Tongji South Road,
Jingkai District, Beijing 100176, China
+86 10 69597866
info-china@3sindustry.com

3S Americas, Inc.

2920 Telecom Parkway, Suite 400,
Richardson, TX 75082, USA
+1 972 849 3210
info@3SAmericas.com

3S Europe GmbH

Hein-Saß-Weg 21
21129 Hamburg, Germany
+49 40 32518887
info@3SEurope.de

3S Lift India Private Limited

Workafella Business Center-51, Level 4, Tower A Rattha
Tek Meadows Old Mahabalipuram Road, Rajiv Gandhi
Salaai, Sholinganallur Chennai, Tamil Nadu, India, 600119
+91 9600653379
info-india@3Sindustry.com

3S Japan Co., Ltd.

#B1F Bright Akihabara 1-24-9 Taito,
Taito-Ku, Tokyo, 110-0016 Japan
+81 (90) 4602 3955
info-Japan@3sindustry.com

3S LIFT BRASIL LTDA

Jorge Czerniewicz street, 1020, Room 01,
Czerniewicz zone, CEP 89.255-000,
Jaraguá do Sul City, Santa Catarina State
+55 11 97847-8584
info-brasil@3sindustry.com

3S Middle East LLC-FZ

Meydan Grandstand, 6th floor, Meydan
Road, Nad Al Sheba, Dubai, U.A.E
info-uae@3sindustry.com