3S LIFT
SAFE | SIMPLE | SPECIALIZED

3S LIFT

Global Supplier of Safety Equipment and Service Solutions for Working-at-height

SAFE | SIMPLE | SPECIALIZED

Our Vision
Our Mission

Since 3S LIFT was founded in 2005, it has been part of our mission to support the fight against climate change. The solutions we offer contribute to the effectiveness, efficiency, and acceptance of renewable energy.

Elevating
Health & Safety

We enable people to service wind turbines safely and help to protect their health. We believe in delivering safe, innovative, and cost-effective wind turbine tower internals that benefit our customers, employees, and the planet.

Company Profile

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), 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

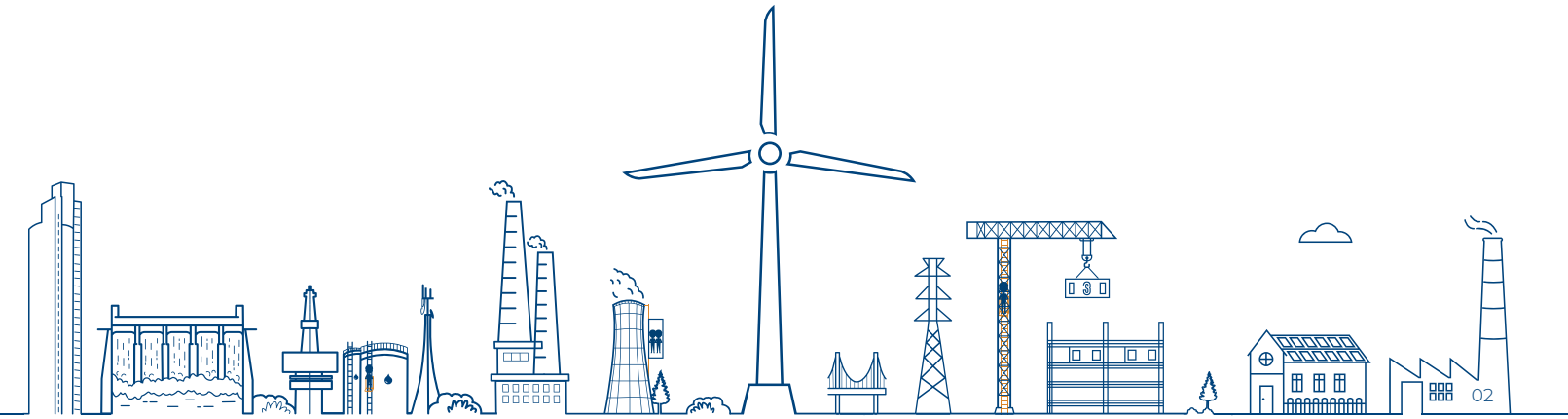
180,000+
Units of 3S Work-at-Height Products in Service

100+
Global Qualifications

900+
Employees

5,000+
Wind Farms Utilizing 3S Products

20+
Global Standards



Rack and Pinion Service Lift

The ideal solution for high towers.

The rack-and-pinion ladder-guided Service Lift provides a larger load capacity, faster lifting speeds, and greater operational efficiency compared to conventional lifts. Equipped with an insulated conductor rail power supply, it is seamlessly operable during the tower erection stage. This versatile lift is suitable for a wide variety of tower types, particularly tall towers in both marine and land environments.

Application Scenarios :

Wind turbine towers (steel towers, hybrid howers, flexible towers, truss towers, "V"-shaped towers)

Key Features :

- Enhanced safety thanks to dual-traction system
- Insulated conductor rail, more suitable for higher tower
- Lift operable even during tower erection stage
- Steady operation for improved comfort
- 70% increase in height access efficiency for four persons
- 50% increase in cabin floor area for persons

Rack and Pinion Service Lift Specifications

Model	H240	H350	H480
Rated load	240 kg	350 kg	480 kg
Capacity	2 persons	3 persons	4 persons
Operation speed	18, 36 m/min	18, 36 m/min	18, 36 m/min
Dimensions (L x W x H)	1030 x 860 x 2700 mm	1200 x 860 x 2820 mm	1200 x 860 x 2820 mm
Rated voltage	400 V / 690 V, 50 Hz / 60 Hz, 3P+PE		
Operating temperature	-30°C to 60°C (Customizable low-temperature model available)		
Ambient temperature	-60°C to 75°C		

Tower Factory Pre-Installation Site


3S LIFT


HERACLES

Ladder-Guided Service Lift

A better solution for high towers.

The ladder-guided Service Lift will be effectively connected with the ladder through the support arm, to effectively prevent the movement and deviation of the lift during operation. The operation is more stable, the load is larger, and a number of safety configurations are superimposed to achieve a higher safety level, which is suitable for the development trend of high tower.

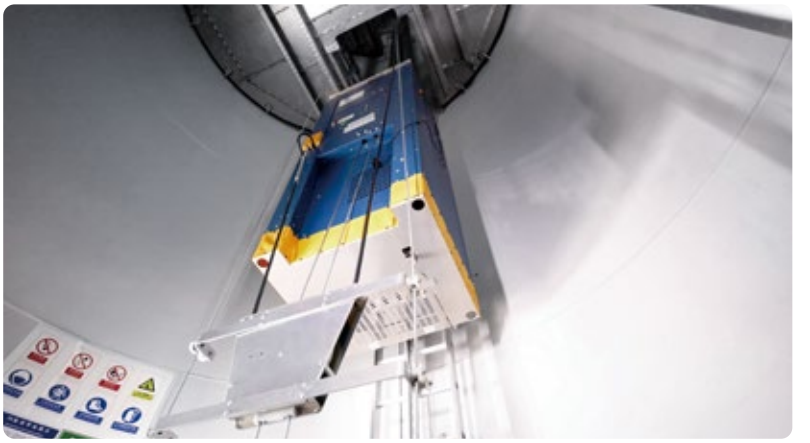
Application Scenarios : Wind turbine towers (steel towers, hybrid towers, flexible towers)

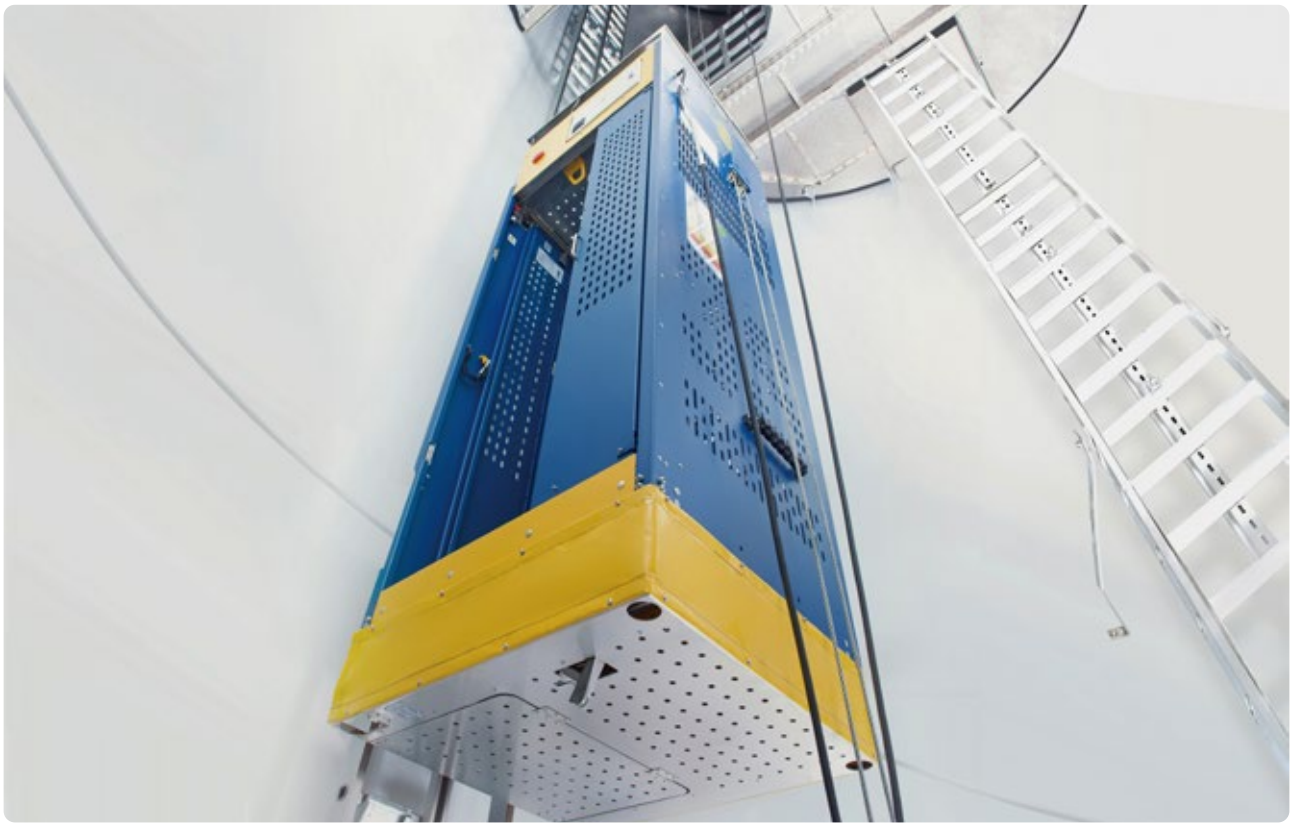
Key Features :

- Smooth and steady movement, providing better comfort
- 50% more passenger space
- 70% more efficient in height access for 3 persons

Ladder-Guided Service Lift Specifications

Model	WM250A-LL18	WM350A-LL18	WM450A-LL18
Rated load	250 kg	350 kg	450 kg
Capacity	2 persons	3 persons	4 persons
Operation speed	18, 21 m/min	18, 21 m/min	18, 21 m/min
Dimensions (L x W x H)	860 x 800 x 2750 mm	950 x 860 x 2750 mm	1200 x 860 x 2750 mm
Rated voltage	400 V / 690 V, 50 Hz / 60 Hz , 3P+PE		
Operating temperature	-30°C to 60°C (Customizable low-temperature model available)		
Ambient temperature	-60°C to 75°C		





Wire Rope-Guided Service Lift

Designed and manufactured to the industry's high safety standards.

The wire rope-guided Service Lift takes both sides of the guide wire rope as the track, and moves up and down along the working rope through the traction of the hoist. Suitable for towers with small top diameter and limited space.

Application Scenarios : Wind turbine towers (steel towers, hybrid towers, flexible towers)

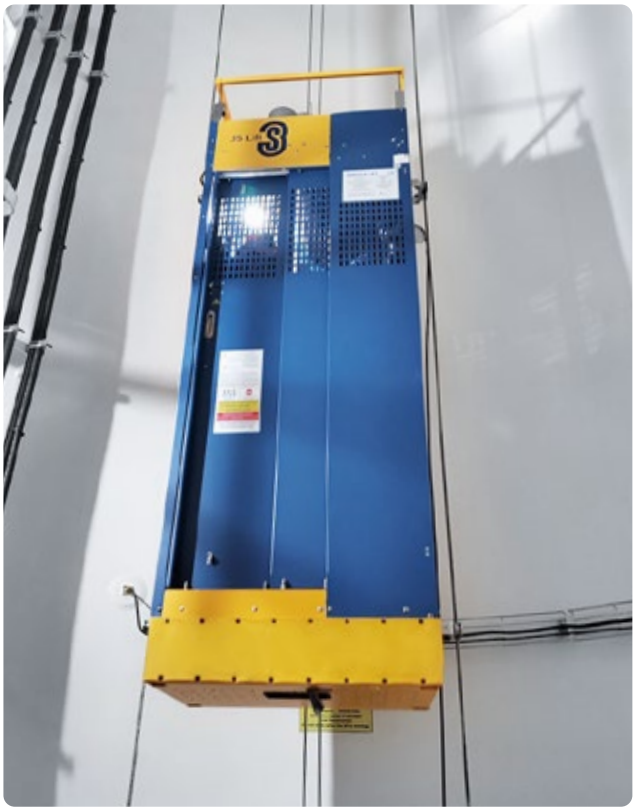
Key Features :

- Fully independent lifting and safety systems
- Omni-directonal sensing limit device and safety limit switches: Make a full range limit protection.
- Fall protection system: Guarantees the safety of personnel and equipment.
- Manual descent
- Mechanical interlock (optional)
- Electromagnetic door lock (optional)
- Smart information control system (optional)
- Advanced lift driving technology: Ensures safety and liability.
- Emergency back-up safety doors: Installed at the top and bottom of the car.
- High-strength load bearing structure
- Mechanical overload protection
- Platform indicator (optional)

Wire Rope-Guided Service Lift Specifications

Model	WM240A8-LR	WM300A8-LR
Rated load	240 kg	300 kg
Capacity	2 persons	
Operation speed	18, 21 m/min	
Dimensions (L x W x H)	960 x 600 x 2980 mm	
Rated voltage	400 V / 690 V, 50 Hz / 60 Hz, 3P+PE	
Operating temperature	-30°C to 60°C (Customizable low-temperature model available)	
Ambient temperature	-60°C to 75°C	


3S Lift



Climb Auto System

Tower lifting equipment for single access

No more climbing – thanks to the Climb Auto System.It is a kind of tower lifting equipment that can carry 1 person, which is mainly used in the market of wind power technology reform. The structure of the machine is compact, there is no need to transform the existing wind power platform, convenient installation, simple operation, stable operation and high safety.

Application Scenarios : Wind turbine towers

Key Features :

- Independent Fall Protection System
- Three Control Modes
- Overspeed Lock-Up
- Variable Frequency Drive
- Overload Detection
- Platform Approach Indication
- Manual Emergency Brake
- Foldable Footpanels for Evacuation

- **Retrofit Installation in 8 Hours or Less**

  The CAS can be easily installed on nearly any wind turbine in under 8 hours, with no structural changes required since it mounts to the existing ladder.

- **Increased Uptime**

  The CAS enables technicians to ascend more towers daily, completing maintenance more efficiently, leading to higher uptime, extended turbine life, and reduced operational costs.

- **Improved Health & Safety**

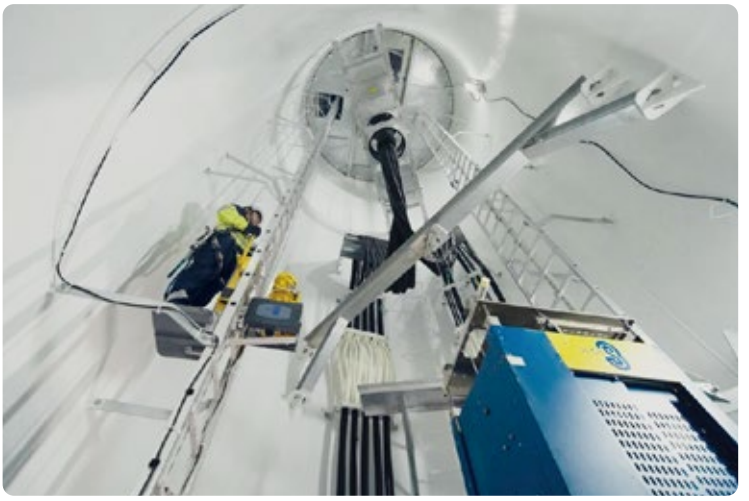
  The CAS eliminates the physical strain of climbing, allowing technicians to safely reach the top of a tower without stressing muscles and joints.

- **Improved Employee Retention**

  The CAS enhances technician satisfaction, leading to higher retention, reduced turnover, and lower associated costs.

Climb Auto System Specifications

Constructing materials	Aluminum, steel
Rated load	Man load capacity: up to 140 kg (310 lbs) Freight safe load: 60 kg (132 lbs)
Speed	18 m/min
Control method	Frequency conversion vectorial technology
Rated voltage	Single / 3 phase, AC, 220 V, 50 Hz / 60 Hz (400 V optional)
Dimensions	431 x 468 x 1410 mm
Certification	CE, ETL, UL and OSHA compliant



Auto Hatch Opener

Preventing falls from the platform

The Auto Hatch Opener makes Climb Auto System operation even more convenient by automatically opening and closing platform hatches as the car passes through them.

Application Scenarios : The opening of the wind turbine tower platform

Key Features :

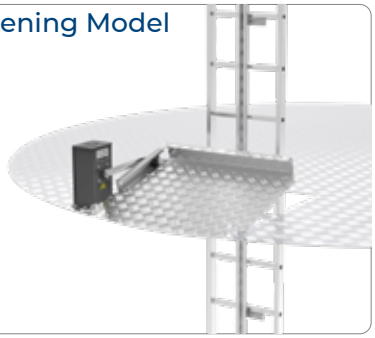
- **Retrofit Installation in 8 Hours or Less**
  The Auto Hatch Opener can be adapted to most hatch and platform types, without major structural modifications.
- **Robust Temperature Resistance**
  The system can be operated in adverse temperatures ranging from -40°C to 60°C.
- **Easy Installation**
  The AHO can be installed quickly and easily, using only a few screws to mount it.
- **Maintenance-Free**
  The AHO requires no maintenance.
- **Dual Operation**
  Normal opening and closing of the hatches by hand remains possible (in the event of power outage or another problem).
- **Compact Design**
  Work activities on the platform are not impaired thanks to the system's compact design.
- **Durability**
  Over 25 years service life thanks to high quality materials and sturdy construction.

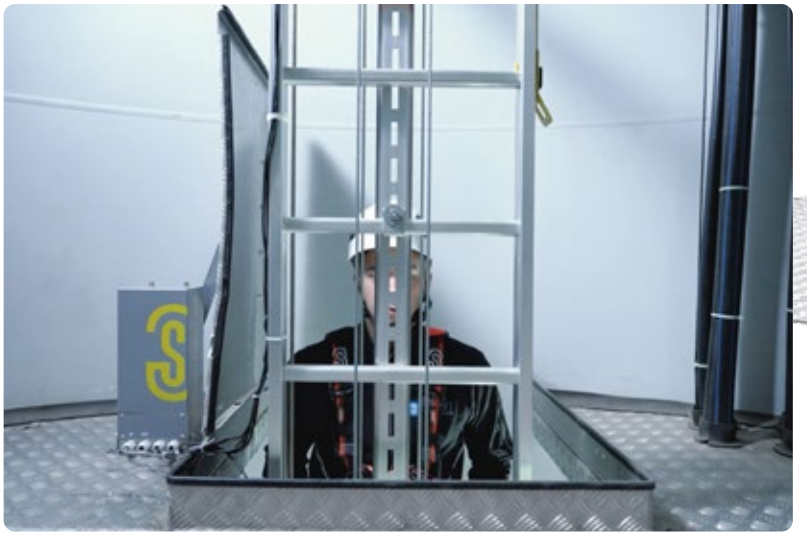
Auto Hatch Opener Specifications

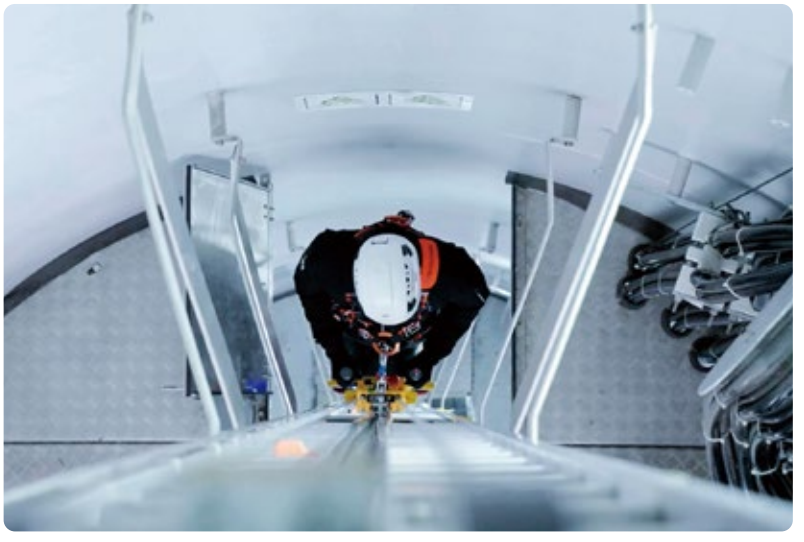
Model	IHM-15 / IHA-15
Operating temperature	-40°C to 60°C
Anti-Corrosion grade	C4
Rated voltage	Single phase, AC 230 V ± 10%, 50 / 60 Hz
Power	60 W
Certification	CE, ETL, EMC
Protection class	IP 44 (Higher protection class optional)
Weight	11 kg
Drive unit dimensions	167 x 128 x 314 mm
Crank arm length	400 mm

Side-Opening Model

Back-Opening Model







Rack and Pinion Climb Auto System

Safe and easy access to the tower

The Rack and Pinion Climb Auto System is a one-person capacity tower lifting device powered by batteries and guided by a rack. It is primarily used in the wind power retrofit market, as it can be deployed during the construction phase. It is also applied in some new wind power projects. The system offers high safety, smooth operation, a compact design, and simple operation, significantly improving the safety and efficiency of climbing personnel.

Application Scenarios : Wind turbine towers

Key Features :

- Two-handle start-up switch
- Remote operation system
- Top and bottom limit and ultimate limit protection
- Low battery protection function
- Audible and visual alert while running
- Collapsible footboards

Rack and Pinion Climb Auto System Specifications

Model	T150
Capacity	1 person
Weight	70 kg
Rated load	150 kg
Dimensions	380 × 560 × 1340 mm
Speed	18 m/min
Distance with one full battery charge	≤1500 m
Protection level	IP 65
Noise level	≤79 dB (A)
Corrosion protection	C4-L
Operating temperature	-20°C to 55°C
Wind speed	≤13 m/s (Wind force: 6)
Motor power	1 kW
Insulation class	F
Rated voltage	220 V, 50 Hz
Power supply	Battery powered Nominal voltage DC 48 V
Service life	20 years

Climb Assist System

Climbing assistance for working at height

As an auxiliary climbing equipment, the Climb Assist can provide a continuous lifting force of about 30-50kg for the climbing personnel of the wind power tower, reducing the climbing intensity and reducing the risks that may be caused by physical exertion.

Application Scenarios : Wind turbine towers

Key Features :

- **Advanced Speed-Adapting Technology**
  Equipped with advanced speed adapting technology, the Climb Assist provides steady assistive force, adapting dynamically to the climber's speed.

- **Variable-Frequency Vector Control**
  Variable-frequency vector control enables excellent dynamic performance and comfortable assistant force.

- **Ascent and Descent Assistance**
  The Climb Assist offers a constant lifting force of 30–50 kg (65–110 lbs) during ascent and 30 kg (65 lbs) during descent. This reduces stress on the body, especially on the knees and ankles.

- **Minimal Maintenance**
  The drive and the control box are designed to require no annual maintenance, reducing the overall maintenance time of the Climb Assist to a minimum.

Climb Assist Specifications

Lifting force	Adjustable from 30–50 kg (60–110 lbs)
Wire rope diameter	6 mm
Protection class	Motor: IP 55 Control box: IP 66
Power supply	Single / 3 phase, 220 V, 50 / 60 Hz Optional: 3 phase, 400 V, 50 Hz
Lifting speed	Adapts to climber's speed; max. 37 m/min (120 ft/min)
Operating temperature	-40°C to 60°C (-40°F to 140°F)
Weight	Control box: 3.3 kg (7.2 lbs) Motor: 17 kg
Certification	CE, ETL, OSHA compliant

Offshore Davit Crane

Built tough for easy lifting

The Offshore Davit Crane, specially designed for offshore wind turbine platforms, is your reliable solution for safe and efficient spare parts loading and unloading from supply ships at sea.

Application Scenarios : Lifting materials on offshore wind turbine foundation platforms

Key Features :

- Anti-corrosion level CX:
  For harsh offshore environment
- Customizable safe working load
- Self-locking protection function
- Anti-twisting wire rope
- Overload protection function
- Unique wire rope pressure mechanism and slack rope limiter mechanism
- Automatic Overload Protection System (AOPS)
- Emergency Load Lowering Function (ELL)
- Distributed sealing protection design

Main Specifications (Customizable)

Model	OC Series
Slewing radius	2–12 m
Safe working load	500–2000 kg
Lifting speed	18–40 m/min
Slewing method	Manual / electric (customizable)
Operating temperature	-20°C to 45°C
Lifting height	20–30 m
Wire rope diameter	8–14 mm
Slewing angle	0–360°
Boom type	Fixed / luffing (customizable)
Power supply	400 V / 690 V

Offshore Davit Crane Specifications

Model	Slewing radius	Rated load	Lifting speed	Lifting height	Wire rope diameter	Operating temperature
OC-2	2.1 m	1000 kg	18 m/min	≤25 m	ϕ11 mm	-20°C to 45°C
OC-2516	2.5 m	1600 kg	24 m/min	≤28 m	ϕ12 mm	-20°C to 45°C
OC-3010	3 m	1000 kg	24 m/min	≤25 m	ϕ11 mm	-20°C to 45°C
OC-4010	4 m	1000 kg	24 m/min	≤25 m	ϕ11 mm	-20°C to 45°C
OC-5010	5 m	1000 kg	36 m/min	≤25 m	ϕ11 mm	-20°C to 45°C
OC-5016	5 m	1600 kg	24 m/min	≤28 m	ϕ12 mm	-20°C to 45°C
OC-7010	7 m	1000 kg	36 m/min	≤25 m	ϕ11 mm	-20°C to 45°C
OC-8010	8 m	1000 kg	40 m/min	≤30 m	ϕ11 mm	-20°C to 45°C


OC-2


OC-2516


OC-3010


OC-4010


OC-5010


OC-5016


OC-7010


OC-8010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Self-Retracting Lifeline

Easy to climb, full protection

The Self-Retracting Lifeline allows technicians to perform repairs and installations at height with complete peace of mind. Should a fall occur, the brake will self-engage to arrest the fall.

Application Scenarios : Offshore wind power, onshore wind power

Key Features :

SRL-15S / SRL-25S :

- IP 68 and IP 69K for extreme environments
- Passed 2000 h corrosion resistance test, the highest standards in the industry
- All internal and external connections are made of 316 stainless steel
- High strength aluminum alloy shell with three layers of coating to avoid corrosion

SRL-15S / SRL-25S / SRL-06SA / SRL-08SA :

- Short braking distance and quick response for enhanced safety
- Compact size and lightweight design for easy portability and installation
- High load-bearing capacity with excellent impact resistance

SRL-15S

SRL-25S

SRL-06SA

SRL-08SA

Self-Retracting Lifeline Specifications

Model	SRL-15S	SRL-25S	SRL-06SA	SRL-08SA
Rated load	30–140 kg	30–140 kg	30–140 kg	30–140 kg
Wire rope length	15 m	25 m	6 m	7.5 m
Wire rope specifications	ϕ 5 mm SUS316	ϕ 5 mm SUS316	ϕ 5 mm SUS304	ϕ 5 mm SUS304
Maximum braking distance	≤1 m	≤1 m	≤1 m	≤1 m
Protection class	IP 68 / IP 69K	IP 68 / IP 69K	/	/
Anti-Corrosion class	C5-M	C5-M	C4-H	C4-H
Operating temperature	-40°C to 54°C	-40°C to 60°C	-40°C to 54°C	-40°C to 54°C
Weight (including rope)	13.5 kg	24.8 kg	4.9 kg	5.0 kg
Standard	CSA Z259.2.2-2017 EN 360:2002 GB 24544-2009 ANSI Z359.14-2014 ANSI A10.32-2012 OSHA 1910.66 OSHA 1926.502	CSA Z259.2.2-2017 EN 360:2002 GB 24544-2009 ANSI Z359.14-2014 ANSI A10.32-2012 OSHA 1910.66 OSHA 1926.502	CSA Z259.2.2-2017 EN 360:2002 GB 24544-2009 ANSI A10.32-2012 ANSI Z359.14-2021 OSHA 1910.66 OSHA 1926.502	CSA Z259.2.2-2017 EN 360:2002 GB 24544-2009 ANSI A10.32-2012 ANSI Z359.14-2021 OSHA 1910.66 OSHA 1926.502
Certification	CE, GB, CSA, ANSI, OSHA	CE, GB	CE, ANSI, CSA, OSHA	CE

Evacuation and Rescue Device

Safe evacuation when working at height

The Evacuation and Rescue Device is used for emergency descent and assisted rescue. It enables the fully automatic, controlled evacuation of up to two people simultaneously. The dual-brake mechanism with active heat dissipation ensures reliable performance, even when descending heavy loads from great heights.

Application Scenarios : Wind power escape, rescue, and training drills

Key Features :

- **Bi-Directional Design**
  The bi-directional design of the Evacuation and Rescue Device allows for the uninterrupted descent or rescue of several people. Both ends of the rope can be used for descent, enabling continuous abseiling. This allows for more people to be evacuated in a short amount of time. In addition, the intuitive design prevents human error, thus increasing safety.
- **High-Strength Aluminum Alloy**
  The high-strength aluminum-alloy construction of the housing is lightweight and corrosion-resistant.
- **Ball Bearing Rope Routing**
  The ball bearing design of the rope routing ensures maximum durability and stability.
- **Self-Cooling Double Brake**
  The dual-brake mechanism with active heat dissipation provides stable descent at uniform speed.
- **High-Performance Rope**
  Designed for application on- and offshore, the highly robust kernmantle rope is resistant to wear, fire, saltwater spray, and high and low temperatures.
- **Sosaf-2R & Sosaf-3R: Escapes and Rescue**
  With its integrated spoke handwheel, they can be used for hoisting.

Evacuation and Rescue Device Specifications

Model	Sosaf-2	Sosaf-2R	Sosaf-3R
Rope diameter	9.6 mm	9.6 mm	9.6 mm
Descending speed	~0.9 m/s	~0.9 m/s	~0.9 m/s
Device weight (excluding rope)	1.9 kg	2.5 kg	3.1 kg
Descent load	/	1 person: 150 kg, single descent height: 500 m 2 persons: 250 kg, single descent height: 250 m 2 persons: 282 kg, max. single descent height: 200 m	
Certification	ANSI/ASSE, CE	ANSI/ASSE, CE, CSA	ANSI/ASSE, CE
Standard	EN 341:2011/1A EN 1496:2017/A ANSI/ASSE Z359.4-2013	EN 341:2011/1A EN 1496:2017/A ANSI/ASSE Z359.4-2013 CSA/CAN Z259.2.3-12/1/B	EN 341:2011/1A EN 1496:2017/A ANSI/ASSE Z359.4-2013
Product validity period	15 years with vacuum packaging; 6 years without vacuum packaging.		

*The actual maximum descent height must be less than the rope length.
The maximum descent load can be up to 282 kg (621.70 lbs) in case of emergency.

Sosaf-2

Sosaf-2R

Sosaf-3R

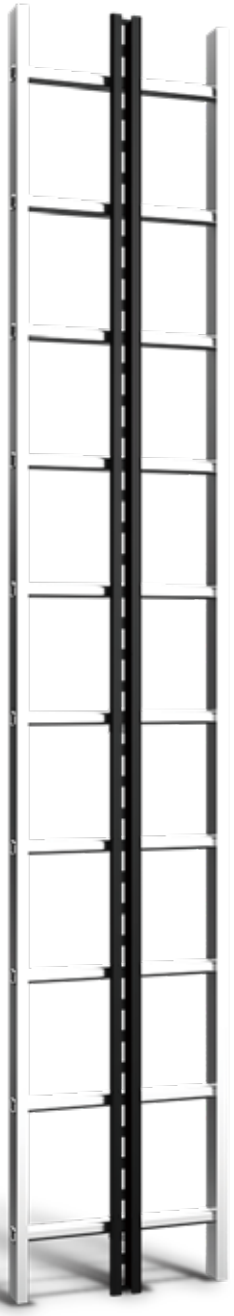
Guide Rail Fall Protection System

Fast braking, safe and reliable

The core components consist of a guide rail and an anti-fall mechanical mechanism. The mechanism is simple and has strong impact resistance. It features a unique anti-inversion structure, where the anti-fall device slides synchronously along the guide rail with the person. In the event of an accidental slip, the anti-fall device's lock engages with the safety guide rail, effectively securing and preventing a fall.

Application Scenarios : Offshore wind power, onshore wind power

TF-R



TF-R5

Key Features :

- **Energy Absorber**
  To dampen the impact when falling, our Fall Arresters feature an energy absorber. This further improves safety while making the system more comfortable for the user. The SL-R50E and SL-R60S even come with 2 separate energy absorbers, ensuring excellent performance.
- **Anti-Inversion Design**
  The intuitive design of our fall arresters only allows installation in one direction, thus preventing operator error.
- **Attachment at Any Position**
  The Fall Arresters can be attached and removed at any position on the guide rail.
- **Comfortable and Convenient Use**
  Our Fall Arresters are designed to be particularly comfortable and convenient. They smoothly track the climber's movement while moving along the guide rail and require no manual tugging.
- **Secondary Locking Mechanism**
  SL-R60S offers an added level of safety by providing a secondary locking mechanism in addition to the primary one.

SL-R60S

SL-R50E

Guide Rail Specifitions

Model	TF-R5	TF-R
Compatible fall arrester	SL-R60S, SL-R50E	
Guide rail type	Internal sliding type	
Applicable ladder	Aluminum ladders or steel ladders	
Max. static load	16 kN	
Standard	See compatible fall arrester	

Guide Rail Fall Arrester Specifitions

Model	SL-R60S	SL-R50E
Compatible guide rail	TF-R5, TF-R	
Rated load	30 kg to 140 kg	
Max. static load	16 kN	
Certification	CE, ANSI, OSHA, ABNT/NBR, AS/NZS	CE
Standard	EN 353-1 ANSI Z359.16 CSA Z259.2.4 ANSI A14.3 OSHA 1910.140 AS/NZS 1891.3 ABNT/NBR 14627	EN 353-1

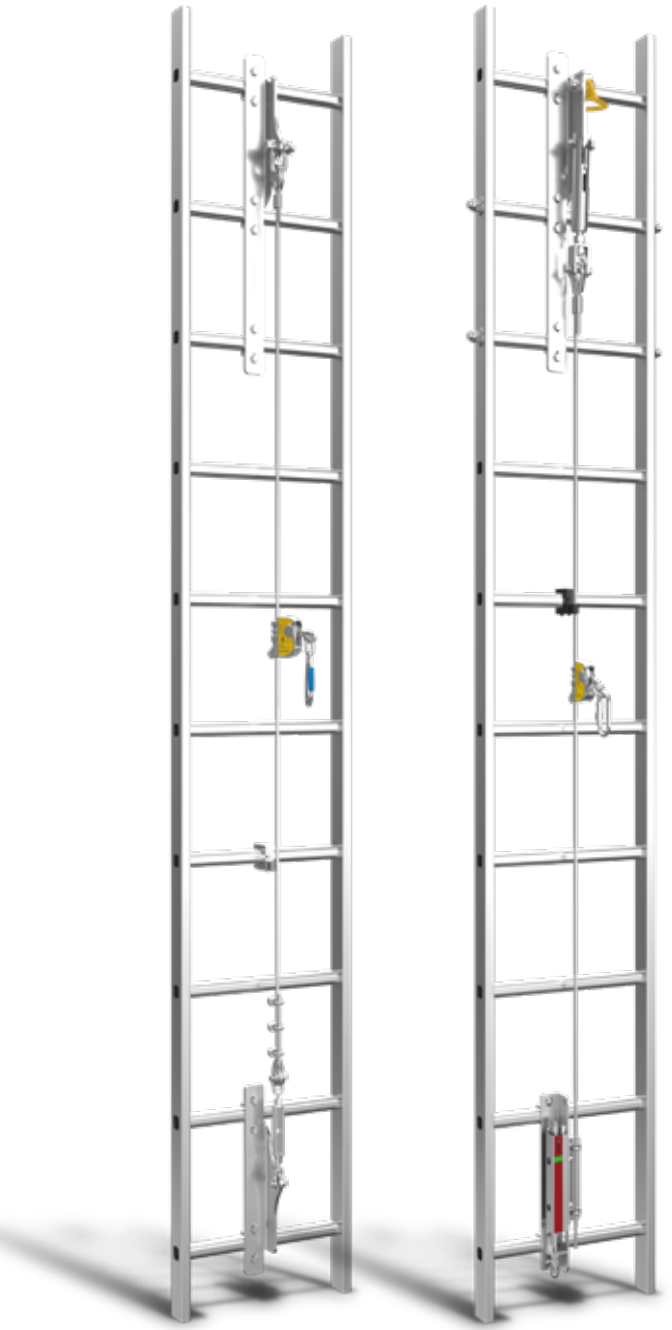
Wire Rope Fall Protection System

Fast braking, safe and reliable

The 3S Protection Wire Rope Fall Protection System consists of two components: a guide wire rope and a Fall Arrester. Fall protection is paramount for safety when working at height. Should a technician slip or miss a rung on the ladder, the Fall Arrester will lock immediately, preventing a fall.

Application Scenarios : Offshore wind power, onshore wind power

TF-80 / 83 / 10



Key Features :

- **Top Mounting Bracket**
  The wire rope is attached to the top of the ladder using a durable, long-life mounting bracket.
- **Optional Shock Absorber**
  Installed at the top mounting bracket, the shock absorber increases safety and comfort.
- **Fixing Clamps**
  Wire rope clamps prevent the rope from swinging and causing abrasion to the rope or ladder.
- **Fall Arrester**
  The Fall Arrester can be attached and removed at any position on the wire rope.
- **Secondary Locking Mechanism**
  The tensioning device at the bottom mounting bracket allows for easy adjustment of the tensioning force.

SL-820S

SL-810S

Wire Rope Specifitions

Model	TF-80	TF-83	TF-10
Wire rope diameter	8.0 mm	8.3 mm	9.5 mm
Compatible fall arrester	SL-810S, SL-820S		
Shock absorber	Optional		
Tensioner	Optional		
Standard	See compatible fall arrester		

Wire Rope Fall Arrester Specifitions

Model	SL-810S	SL-820S
Compatible wire rope	TF-80 / TF-83 / TF-10	
Rated load	30 kg to 140 kg	
Max. static load	15 kN	16 kN
Certification	CE	CE, ANSI, OSHA, ABNT/NBR, AS/NZS
Standard	EN 353-1	EN 353-1 ANSI Z359.16 CSA Z259.2.5 ANSI A14.3 OSHA 1910.140/29 OSHA 1926.502 AS/NZS 1891.3 ABNT/NBR 14627

Personal Protective Equipment

Full Body Harness

The Full Body Harness provides freedom of movement and gives technicians peace of mind while working in wind turbine towers.

Application Scenarios : Wind power industry

Key Features :

- **Superior Material**
  Aviation grade aluminum alloy attachments, light-weight and high-strength.
- **Improved Safety**
  The green prompt sign on the quick connect buckle indicates that is fastened.
- **Wear-Resistant Material**
  Wear-resistant waist support plate is replaceable.
- **Superior Quality**
  Upgraded sewing process and coating techniques make webbing wear-resistant, waterproof and oil-resistant.
- **Wearing Comfort**
  Comfortable and breathable waist pad reduces fatigue from long operation.
- **Flexible Fit**
  Multiple adjustment buckles are suitable for users of different sizes.
- **Safe and Tidy**
  Pockets allow convenient storage of strap ends to avoid them hanging loosely and getting caught during use.

Full-Body Harness Specifitions

Model	11011010	SA-01001
		
Description	5 attachment points, 7 adjustments	5 attachment points, 5 adjustments
Certification	ANSI	CE, LA
Standard	ANSI Z359.11-2021	EN 361, EN 358, EN 813, AS/NZ S1891.1:2007
Static load	16 kN	15 kN
Rated load	140 kg	100 kg
Service life	5 years	5 years
Material	**Webbing:** 1000D Polyester fiber; **Hardware:** Aluminum alloy; **Storage bag:** Elastic+Retainer plate; **Pad:** 3D mesh fabric+EVA	

Safety Lanyards

Full-Body Harnesses must be used in conjunction with safety lanyards, to prevent falls and protect the safety of workers at heights.

Application Scenarios : Tower ladder and nacelle

12100510
100% Tie-Off Shock-Absorbing Lanyard (Dual Leg)

1210010
100% Tie-Off Shock-Absorbing Lanyard (Dual Leg)

SC-01001
100% Tie-Off Shock-Absorbing Lanyard (Dual Leg)

SC-02001
Shock-Absorbing Lanyard (Single Leg)

SD-01001
Adjustable Work-Positioning Lanyard

SE-01001
Vertical Lifeline With Shock Pack And Fall Arrester

Suspended Platform

Simple operation and easy installation

The Suspended Platform is widely used in wind power tower cylinder cleaning and maintenance, blade maintenance and maintenance in construction, hydropower, thermal power, petrochemical and other fields.

Application Scenarios : Wind turbine blade maintenance

Key Features :

- **Convenient Blade Repair Without Crane Usage**
  The platforms consist of a railing, hoist, SafeLock, and support arm. They can automatically move up and down the blade without the usual need for additional auxiliary equipment such as a crane.

- **Customizable for Various Uses**
  Blade maintenance platforms can be customized for a variety of maintenance activities, including standard inspections, applying leading edge protection, blade cleaning services, and blade and tower painting.

- **Nearly 20 Years of Experience**
  Our engineers and technicians have more than twenty years of experience in the manufacture and use of our blade maintenance platforms, producing more than 500 units.

Sofit-Z3 Specifications

Rated load	350 kg
Speed	9 m/min
Power supply	7 kW
Rated voltage	AC 400 V / 50 Hz
Self-Weight	1100 kg
Dimensions	5.9 × 2 × 2.7 m

Sofit-11 Specifications

Rated load	240 kg
Speed	9 m/min
Power supply	1.5 kW
Rated voltage	400 V/690V, 3 phase
Self-Weight	200kg
Dimensions	1.5 × 0.7 × 1.1 m

Sofit-22 Specifications

Rated load	280 kg
Speed	9 m/min
Power	3 kW
Rated voltage	400 V / 690 V, 3 phase
Self-Weight	240 kg
Dimensions	2 × 0.7 × 1.1 m

Sofit-W3 Specifications

Rated load	600 kg
Speed	9 m/min
Power supply	5.4 kW
Rated voltage	400 V / 690 V, 3 phase
Self-Weight	800 kg
Dimensions	Outside: 5.2 × 3.7 m / Inside: 3.6 × 1.2 m Customized: 2.2 m

CP4-500 Specifications

Rated load	600 kg
Speed	9 m/min
Power supply	7.2 kW
Rated voltage	400 V / 690 V, 3 phase
Self-Weight	1300 kg
Dimensions	Can be customized

Aluminum Ladder

Global sales 7,000,000+m, more than the radius of the earth

The Aluminum Ladder is made from high-strength specialized aluminum alloy material, offering high strength, excellent oxidation resistance, and corrosion resistance. All test data exceed the standard requirements. It is easy to install, provides high safety, and is versatile for various uses.

Application Scenarios : Wind turbine towers

Key Features :

- **High Durability:** Anodized high-strength aluminum enhances corrosion and wear resistance.
- **Quality Rivets:** Durable, crush- and impact-resistant rivets.
- **Customizable:** Ladders up to 5880 mm, tailored to customer needs.
- **Versatile Use:** Can be used alone or with a Climb Auto System/Service Lift.
- **Secure Mounting:** Customizable brackets and supports for easy attachment to tower walls.

Aluminum Ladder Specifications

Standard width	470 / 490 / 520 / 575 mm
Custom width	300–1000 mm (can be customized)
Section length	5880 mm
Rung distance	280 mm
Rung dimensions	30×30 mm
Stile dimensions	60×25 mm / 72×25 mm / 74×25 mm
Standards	GB/T 17889.2, GB/ 17888.4, EN131-2, EN ISO 14122, DIN 18799, AS 1657, ANSI-ASC A14.3, OSHA 1910.23, OSHA 1926.1053
Certification	CE

※ Dimensions can be customized according to customer requirements

Resting Platform

Intermediate ladder platforms can be installed at any ladder rung to provide a place for technicians to rest while climbing the towers. They fold in and out easily and increase the level of safety in the tower.

Execution Standards:

GB 17888-3, GB/T 17889, EN 131-1, ISO 14122-4

Key Features :

- Easy to operate, high safety, and improved work efficiency.
- Convenient installation, stable and reliable connection.
- Unique structural design that works seamlessly with ladders, ensuring reliable performance and operational safety.
- High corrosion-resistant surface treatment, suitable for harsh environments, with strong rust resistance.
- Good compatibility with protective and lifting products, offering broad applicability.

RP4

RP5

RP-JF

Anchor Point

Anchor points are secure attachment points for lifelines, lanyards, or deceleration devices, designed to withstand fall forces. Their form varies by job, industry, and structure, and they must be placed high enough to prevent lower-level contact during a fall.

Execution Standards:

EN 795, EN 50308, OSHA 1926.502, CEN/TS 16415, EN 365, AS/NZS 5532

Key Features :

- **Versatile Applications:** Suitable for ladders, tower interiors, and nacelle environments.
- **Easy Installation:** Specialized connectors ensure convenient, stable, and reliable assembly.
- **High Durability:** Premium steel with advanced coating ensures offshore corrosion resistance.
- **Reliable Design:** Unique safety anchor structure works seamlessly with ladders.
- **Ladder-Specific:** Designed for safe and efficient daily ladder operations.

WTL-A30

WTL-A31

WTL-A32

WTL-A1

WTL-A2

Scan to learn more

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