



SAFE | SIMPLE | SPECIALIZED
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3S Lift Products

Elevating Health & Safety

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Our Vision, Our Mission

The Leading Wind Turbine Tower Internals Solution Provider

Since our company was founded in 2005, it has been our mission to combat climate change. That's why we offer solutions that contribute to the effectiveness, efficiency and acceptance of renewable energy.

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

3S Lift | Company Introduction

Over the last two decades, 3S Lift has become a leading global supplier for tower internals and the No. 1 market leader in Asia. With a global presence of around 700 employees and locations in China, India, Europe and the US, 3S Lift provides a wide range of products to wind turbine manufacturers, tower manufacturers, service providers and wind farm owners across more than 40 countries. Our network of subsidiaries and service partners around the globe, allows us to provide prompt and thorough technical support to local customers everywhere.

In 2019, we expanded to our brand new manufacturing facility in Tianjin, China. This modern production site allows us to meet the growing global demand for 3S Lift products. As the one-stop-shop for our customers we offer tower internal components such as Service Lifts, Climb Auto Systems, Climb Assists, Aluminum Ladders, Fall Protection Systems, Auto Descending Devices, Blade Maintenance Platforms, Offshore Cranes and more. In addition to our broad product portfolio, we provide engineering services to develop and customize products according to customer needs.

3S Lift is driven by a culture of safety and innovation which is why we have obtained ISO9001, ISO14001 and OHSAS18001 certifications and hold over 300 patents.

Our more than 100 R&D engineers ensure that our solutions always fulfill our 3S brand promise: "safe, simple, specialized".

Worldwide, 3S Lift has supplied nearly 40,000 Climb Assists, 40,000 Climb Auto Systems and 20,000 Service Lifts. Through continuous research and development for new equipment and services, we strive to support our customers in creating clean energy for a sustainable future.

Climb Auto System

Single Technician Ladder-Mounted Lift

Independent Fall Protection System

The fall protection system of the CAS is independent from the operator's fall arrester. Redundant fall protection guarantees the safety of personnel and equipment.

Operator's personal fall arrester

Climb Auto System's fall protection device



No more climbing – thanks to the 3S Lift Climb Auto System. The CAS is a single technician ladder-mounted lift that completely eliminates the physical and mental strain of climbing. It improves health and safety while reducing the cost of ownership.

On every wind farm there are countless soft tissue injuries due to the repetitive motion of climbing. These injuries can lead to sick leave, long term health issues and reduced motivation among wind turbine technicians. With the CAS, technicians can safely reach the top of the tower while putting zero stress on their muscles and joints.

Climb Auto System Specifications

Constructing materials	Aluminium, steel
Rated load	Man load capacity: 120 kg / 140 kg (265 lbs / 310 lbs) Freight load capacity: 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	415 x 390 x 1180 mm (customizable)
Certification	CE, ETL, UL, OSHA compliant



Top Sheave

The top sheave's compact design allows the CAS car to reach the uppermost platform.

Remote Control

The convenient remote control feature allows technicians to call the car to their position in the tower or send equipment to a co-worker on another platform.

Two-Handle Start-Up Switch

To use the CAS car, the operator must press and hold the switches on both handles simultaneously. If the operator releases either switch, the system stops immediately.

Collapsible Footboards

The collapsible footboards enable rapid evacuation in case of emergency.

Bottom Sensing Panel

When coming in contact with an obstacle, the panel is compressed and the sensor is triggered. This immediately stops the CAS car, thus preventing collision.

Toolbox

The custom metal toolbox can be firmly attached to the footboards to send materials up or down tower via remote control.

Control Cabinet

Located down-tower, the control cabinet is used to power the system up and down. It can also be used to operate the CAS car remotely.

Optional Auto Hatch System

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