




RUTHMANN
professionals at work

RUTHMANN BLUELIFT SA31



MAXIMUM PERFORMANCE – MINIMUM DIMENSIONS





**The NEW BLUELIFT SA31 IS A TRACKED SPIDER LIFT
FOR SPECIFICALLY INACCESSIBLE WORKING PLACES AND LIKEWISE SUITABLE FOR EVERYDAY LIFE.**

 The SA31 can be positioned in the segment of the 30-33 meter high tracked spiders lifts primarily on account of its compact dimension and newly developed function.

In comparison with a simple telescopic boom, an articulated telescope boasts a higher net weight.

As manufacturer of tracked spider lifts, **RUTHMANN deliberately places its trust in the construction of articulated telescopes in order to achieve numerous benefits** relating to transport and operating situations, e.g. an ideal access situation and a positioning in confined or inaccessible spaces.

 Fields of applications for the SA31 are:

-  tree-pruning
-  Industrial cleaning
-  Indoor and outdoor areas which generally are difficult to access with delicate floorings or limited floor load capacities (shopping malls, exhibition halls, airports..)
-  and moreover in a wide range of industrial applications (assembling project, inspection, construction..)

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Indoor applications:

- + Shopping Malls
- + Airport
- + Office buildings
- + Hotels and Resort
- + Schools and Universitys
- + Historical Buildings and Churchs
- + Stadiums, sports- & leisure facilities

Outdoor applications:

- + Industrial facilities
- + Construction projects
- + Glass & façade cleaning
- + Forestry operation & tree care

TARGETS:

- Building administrator/managers/constructors
- Glass and interior cleaning companies
- Lighting maintenance companies
- Fire-protection engineers
- Video surveillance
- Facade workers (Painters, roof maintenance)
- Tree- pruning companies
- ... and rental companies.

DESIGNED WITH THE CUSTOMER IN MIND:

RUTHMANN satisfies with the SA 31 the researched needs of the customers and operators.

Advantages:

- +> compact design and minimal weight**
- +> powered by 3-cylinder diesel engine and 230V electric motor**
- +> Lithium-ion Battery (Bluelithium and Bluehybrid), provide emission-, odor- and noise free operation**
- +> extremely agile on tracks and proportional controls of lifting movements**
- +> the stabilization offer low space requirements for jobsite with limited space (asymmetric)**
- +> easy handling with the same functions and operational procedures as on other BLUELIFT model, reduced training/operating personnel cost**
- +> variable track system**
- +> outriggers pads mounted on outriggers**
- +> parts/components identical to other models**

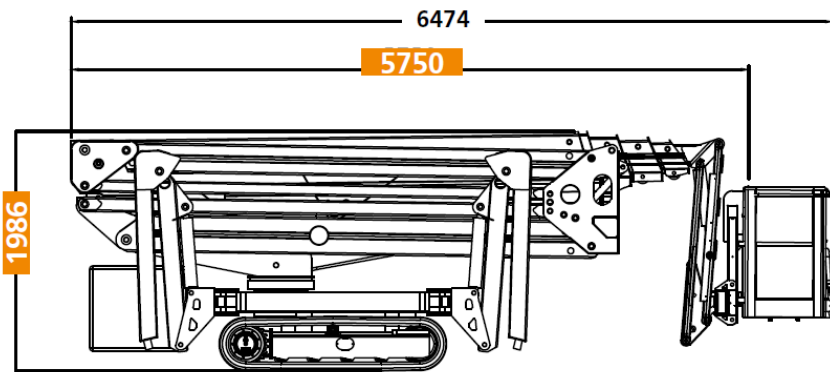
**Common parts reduce your cost
in the after-sales market**

**Common parts means as well
standardized operation**

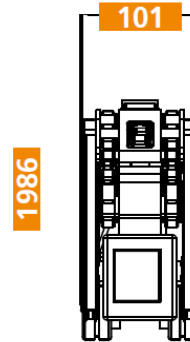
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(R)Evolutionary great height despite small size based on articulated boom system

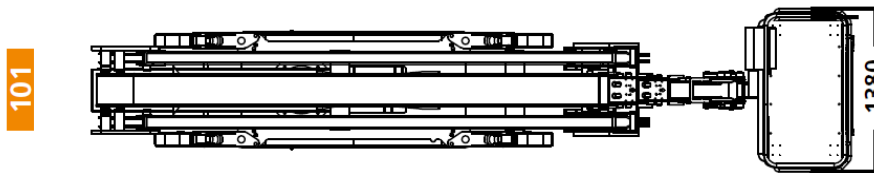
Efficient and safe access in tight spaces is an important economic factor for indoor applications.



5,75 m minimum overall length!



ONLY 1 m minimal width!



The **clearance width of 1 meter** should especially be emphasized. In combination with a clearance height less than 2 meters, the tracked spider lift **can easily pass through each single-leaf industrial door**. This is totally unique as the competitors always need a double-leaf door.

The **aluminium working cage can quickly and easily be removed** from the boom by means of the well-known simple and tool-free dismounting procedure (quick lock).

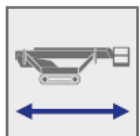
Due to its important manoeuvrability resulting from the **short overall length of only 5,75 m**, the **BLUELIFT SA31** offers a high advantage regarding usage in winding and inaccessible spaces.

The low net weight of only 4.700 kg ensures further positive aspects

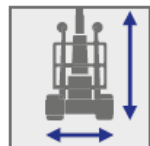
First a very low ground pressure in driving mode over the rubber tracks which is advantageous both when using the aerial platform on sensitive or pressure-limited grounds and on rough terrains.

On the other hand, the load point of the stabilizers or the surface pressure under the stabilizers resp. reduces in operational use.

The „foot plates“ newly developed for the **BLUELIFT SA31** are a further guarantee of a safe working at low supporting pressures.



max. 6,45 m
min. 5,75 m



1,01 m/ 1,99 m



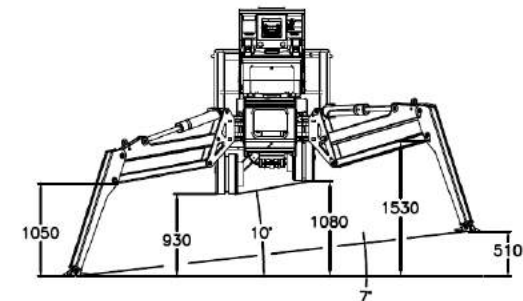
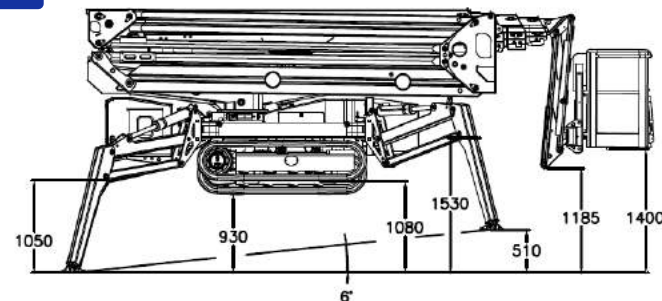
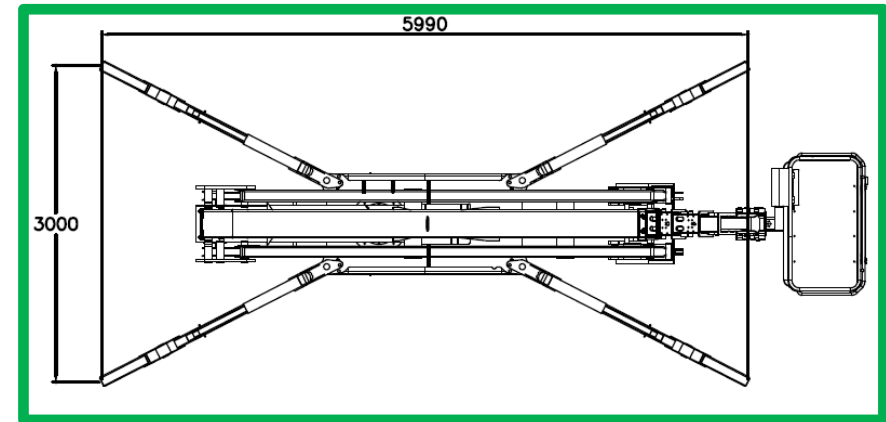
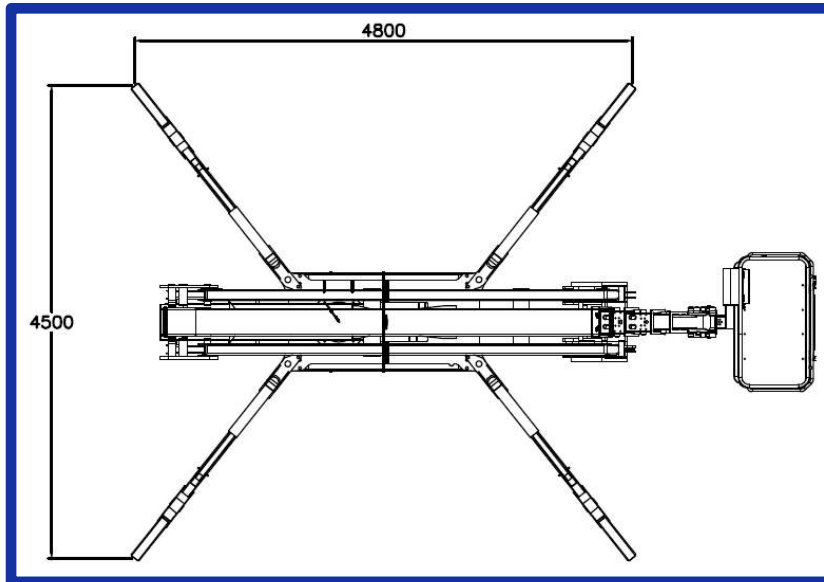
4700 kg

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LESS SPACE REQUEST – MORE VARIABILITY

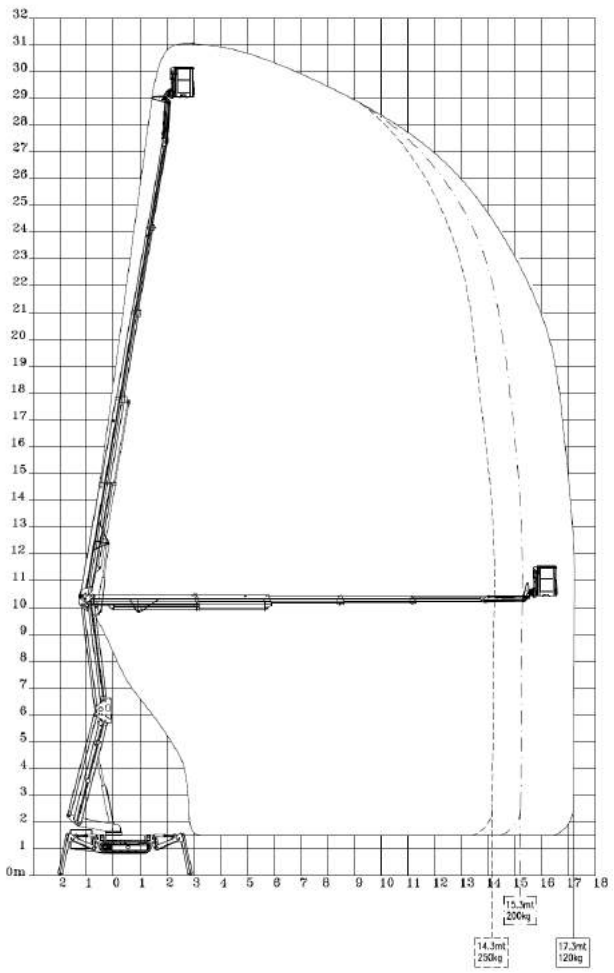
The **BLUELIFT SA31** offers the **automatic positioning system** and **asymmetrical types of stabilisation** in the standard version.

In case of confined spaces, the machine can be stabilized in a narrow space. Depending on the type of stabilisation and of the cage load, the RUTHMANN control technology makes the maximal and safe performance data available.



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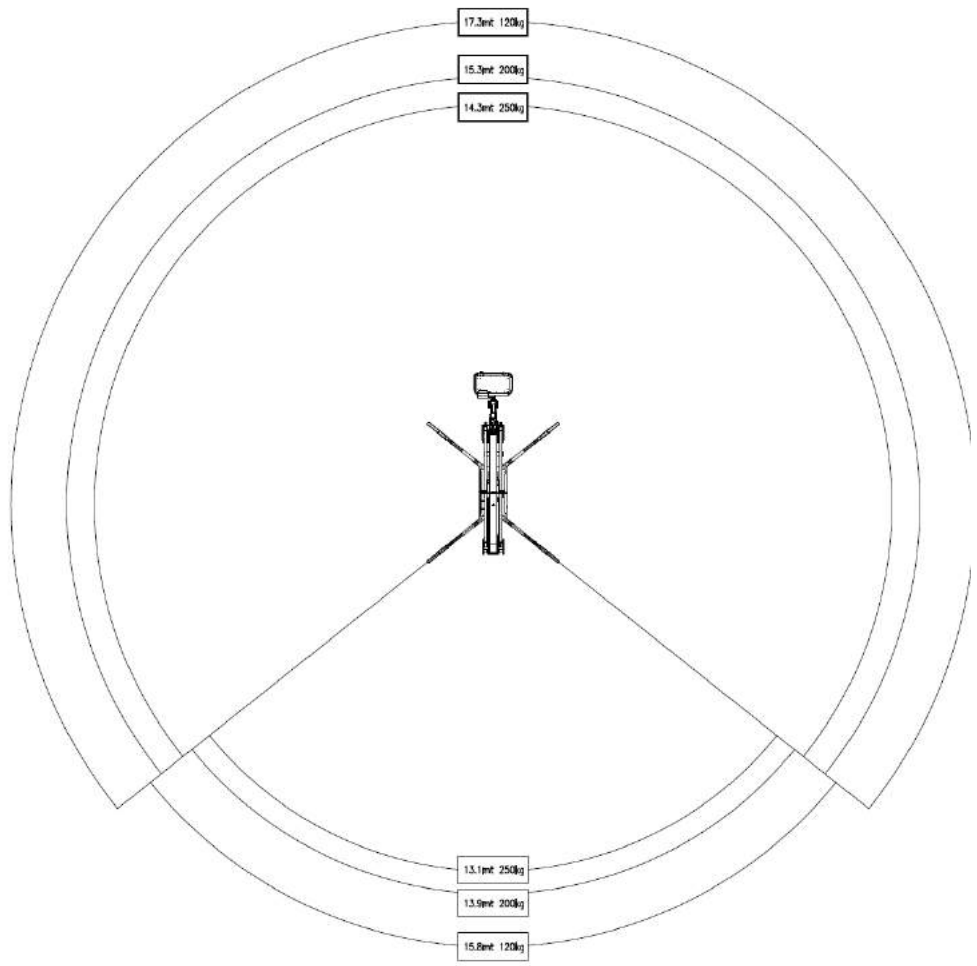
(R)Evolutionary great height and working diagram



31 m



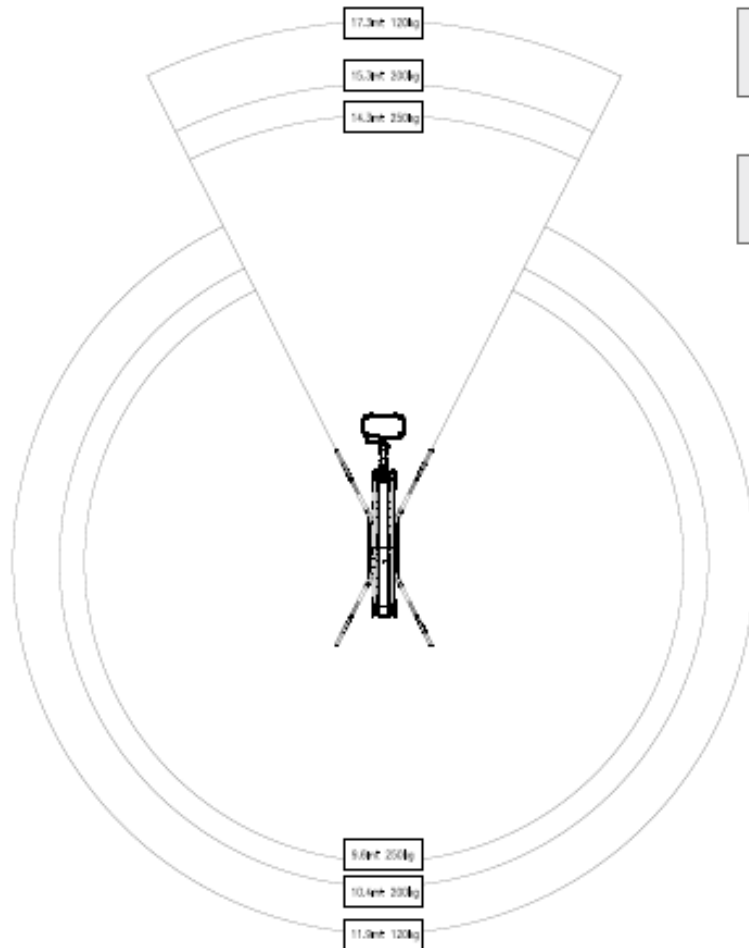
17,3 m/120 kg
15,3 m/200 kg
14,3 m/250 kg





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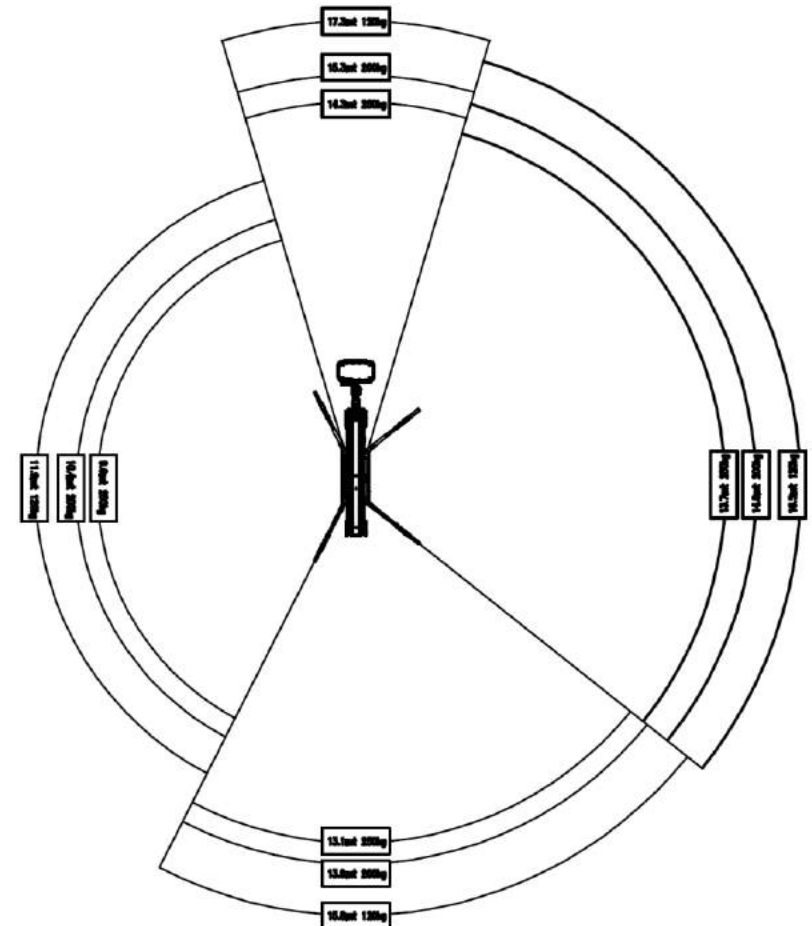
(R)Evolutionary great height and working diagram



31 m



11,9 m/120 kg
10,4 m/200 kg
9,60 m/250 kg



MAIN FEATURES :



Diesel engine Kohler HDW 1003 with BLUELIFT ENERGY SAVER system modulates the RPM of the combustion engine, monitoring each function, reducing the consumption of fuel and extend engine efficiency



230V Electric motor - 110V Electric motor

BLUELIFT i-PERFORMING MOTOR (patented) provides the best result in performance by electric engine on the market... speed of movements similar to combustion engine without affecting the use of the double movement also on electric mode!



AUTO START & STOP of engine

Save fuel and makes operation quieter by stopping the engine when not in use and automatically re-engaging when it time to move.

The Auto Start & Stop works also on electric motor to preserve energy and reduce the pump overheating

MAIN FEATURES :



RADIO REMOTE CONTROL

a simple device in its use with interactive multilingual display.

Hand sensors are incorporated within the controller for increased operator safety during the driving of platform, enabling the track driving controls only when the operator has it in his hands.



SELF STABILIZING SYSTEM

manages automatically and proportionally the stabilization process driving the movement solenoid valves of stabilizers. The self-stabilizing system is a good solution for an easy, quick and safe stabilization.



AUTOMATIC TURRET CENTER STOP

eliminates the need for operator to rely on visual alignment for safe lowering

MAIN FEATURES :



GO HOME FUNCTION

Go Home function (optional) stows the machine automatically for the operator ensuring the machine is perfectly stowed each and every time.



DRIVE SPEED SAFETY sensor

minimize tilt risk by shifting the drive system from high to low speed if sloping angle changes by more than 5°. In terms of travel speed on flat ground, after a couple of seconds that the operator drives the platform in front or backward direction, the device doubles the speed of the tracks. When the operator starts to turn the spider or drive on a slope more than 5° (ex. during the loading/unloading from a truck), the device automatically reduces the speed in order to guarantee the safety of the operator.



DATA CONNECT

Connect via LAN, Wifi or GPRS anywhere in the world, direct to the engineers for full diagnostic or to upload new settings, can also be used to monitor machines' usage



MAIN FEATURES :



BLUE LITHIUM LIFT

a 100% electric platform that provides odor- and noise free operation of the lift, working off its revolutionary compact, yet highly efficient electric motor and pump only.

In addition – and opposite most battery powered systems – you can both operate and charge the lift (from either 110v or 220v regular power outlets) at the same time, and never have to worry about running out of electric power!

It get the best possible results in terms of durability (6-8 hours in continuous) and performance by electrical motor, while maintaining the performances of the model driven by the thermal engine.





MAIN FEATURES :



BLUE HYBRID LIFT

The new Blue Hybrid Lift line is nothing short of revolutionary to the industry thanks to the following key features:

- First ever compact track based lift line to combine a lithium battery system alongside a combustion engine, installed on the lift;
- First ever lift line to offer an automatic mode shift between battery and combustion engine power supply;
- Truly versatile for in – and outdoor use without loss of performance and speed;
- Hybrid Auto Mode automatically decide which power source is most optimal for any given lift function. If the operator for example is lowering the main boom the system automatically selects the lithium electric power. If the operator raises the boom or drive the unit (where higher hydraulic pressure is required) the system automatically engages the combustion engine.



SECONDARY GUARDIAN SYSTEM (optional available on all BLUELIFT models):



SECONDARY GUARDIAN SYSTEM PREVENT SERIOUS ENTRAPMENT INJURIES

The secondary guardian system is made by a **rubber covered micro switch bar to the front of the control panel.**

When pressed, such as in a crushing incident, this system performs the action needed to put the operator in safety.

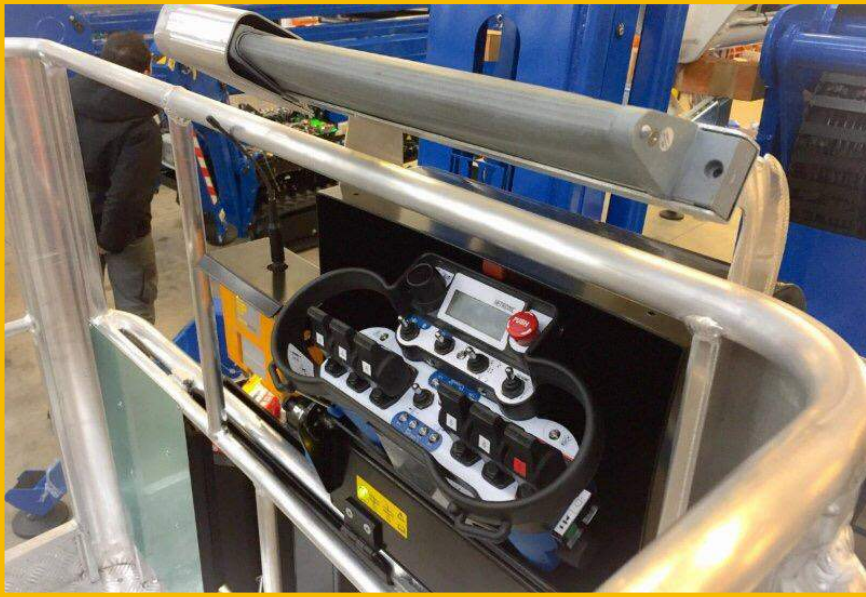
In automatic and for a period of 2 second, only reverse/lowering movements are permitted, allowing the possibly panicked operator to get out of trouble without making the situation worse.

After 2 seconds, the system stops all functions, sounds an alarm and sets off flashing light mounted on the underside of the platform.

When the anti-entrapment system is activated, the platform can only be operated by using the emergency lower controls to lower the platform.

After being triggered, the system can be easily reset and reactivate by a simple procedure.

SECONDARY GUARDIAN SYSTEM





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To sum up, the new BLUELIFT SA 31 offers impressive performances regarding working height and outreach whereby it is at once light, compact due to its articulated telescope, agile and flexible.

Therefore, it is likewise qualified for specifically inaccessible working places and it distinguishes itself as a complete tracked spider lift for everyday life and for each operating purpose and working place.





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