



JLG®

Where innovation takes off

Access equipment and accessories for the Aviation industry
(CE specifications)

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Raising standards in Aviation

For more than five decades, JLG Industries has been at the forefront of access solutions, enhancing safety, efficiency and precision across a range of sectors.

In the Aviation industry, we have become a vital partner. Our reliable, adaptable equipment – supplied through brands like JLG, Power Towers, Hinowa and Oshkosh Aerotech – transforms maintenance, inspection and assembly.

Our comprehensive product line-up includes machines that navigate narrow spaces and reach difficult areas, ideal for replacing fixed-height podium platforms while maximising valuable hangar space. Most of our equipment can be operated by one person, making tasks easier, reducing the need for extra staff.

To further support operators in complex aviation environments, JLG offers a range of accessories that contribute to safe use and operational control of equipment, delivering peace of mind in a high-stakes, high-efficiency sector. With intelligent safety systems like SkySense obstacle detection, ClearSky Smart Fleet for real-time equipment tracking, and user-friendly fall arrest systems, our equipment is as adaptable as it is secure.

Tailored solutions for your most complex challenges

Pages 6-7: Landing gear, engine & underbody inspection

Toucan 12E SP5

Specialised for landing gear and engine inspection, with a folding side for ergonomic operator support.

ES1230 drivable vertical mast lift

Perfect for tighter access, facilitating for engine and underbody inspections.

TOUCAN 12E SP5

ES1230

Pages 8-11: Inspection & maintenance

Ecolift WR, Nano SP

A great all-rounder used in tasks such as avionic and cargo door inspections and wing and emergency door maintenance.

ES Scissor Range (ES2632, ES1932)

Used for tail, fuselage and fuel tank inspections as well as cleaning and livery applications.

ECOLIFT WR

NANO SP

ES2632

ES1932

Pages 12-15: Assembly, cleaning & paint application

Toucan 10E & 12E Mast Lifts

Versatile lifts for assembly tasks and exterior paint application, suitable for underbody and fuselage inspections.

ERT3369

Large, high-capacity platform for up to four people, suitable for livery application and paint repairs.

EC520AJ Electric Boom Lift

Enables efficient cleaning and maintenance for various aircraft sizes.

TOUCAN 10E/12E

ERT3369

EC520AJ

Pages 16-17: Obstacle detection

SkySense Enhanced Detection System

An advanced non-contact sensor system that creates warning zones around the machine, helping operators to detect and avoid obstacles.

Soft Touch Protection System

Proximity sensors in padding around the platform automatically deactivate platform functions upon contact with obstacles.

Toucan collision avoidance system

Page 18: Fleet management & monitoring

Clearsky Smart Fleet

Integrated IoT solution for equipment tracking, diagnostics and real-time monitoring.

Page 19: Operator safety at height

Fall Arrest System

Safety system for tethered mobility outside the platform.





Landing gear, engine, underbody inspection

Safe, stable and efficient

The **Toucan 12E SP5** and **ES1230** tackle the specific challenges faced during landing gear, engine and underbody inspections. They provide operators with safe, stable and efficient platforms for improved access to difficult areas of the aircraft. Their manoeuvrable designs enable precise positioning around the aircraft's undercarriage. Immediate-response AC drive motors provide enhanced torque and efficiency for fast, productive work.





TOUCAN 12E SP5

FEATURES AND BENEFITS

- + Folding side platform fully supports the operator's weight for comfortable access to hard-to-reach areas like the landing gear and engine.
- + Compact, manoeuvrable design improves access in tight spaces.
- + Precise control system allows operators to get close to objects without collision.
- + Extended reach and versatile articulating jib for easier access to difficult areas.

Toucan 12E SP5 specifications

Working height:	10.60 m
Platform capacity:	200 kg
Dimensions (L x W):	2 m x 1.20 m
Machine weight:	4270 kg
Horizontal reach:	4.50 m
Up and over height:	6.70 m

Upgrade your Toucan 12E SP5 with the following accessories:

- Fall Arrest System (page 19)



ES1230 drivable vertical mast lift

ES1230 specifications

Working height:	5.66 m
Platform capacity:	230 kg
Dimensions (L x W):	1.26 m x 0.69 m
Machine weight:	790 kg
Maximum drive height:	3.66 m

FEATURES AND BENEFITS

- + Compact size and smooth navigation capabilities for easy positioning around an aircraft's undercarriage.
- + Light weight, allowing transport in standard freight elevators for increased versatility.
- + 3.66 m platform height and 230 kg capacity enable tools and equipment to be carried safely to elevated working positions; ideal for inspecting landing gear, cargo doors and lower fuselage.
- + Non-marking wheels prevent surface damage in high-stakes hangar environments.
- + Automatic Traction Control for smooth operation on different surfaces and enhanced manoeuvrability, particularly in confined spaces.
- + Low energy consumption enables operators to work longer without recharging, enhancing productivity.

Inspection & maintenance

Compact and manoeuvrable for all-round access

Routine inspections are critical to maintaining the safety and performance of aircrafts. **The Nano SP** and **Ecolift WR** are two great all-rounders used for avionic/cargo door inspections and wing/emergency door maintenance. With their compact and manoeuvrable designs they allow operators to safely access these areas.



Low-level access: ECOLIFT WR

FEATURES AND BENEFITS

- + Advanced safety features, including a stable base, non-slip platform and robust rails, providing a secure working platform for operators working indoors or outdoors.
- + User-friendly design facilitates use by less experienced or sole operators.
- + Lightweight and easy to manoeuvre into position around an aircraft.
- + Patented lift mechanism eliminates the need for electricity and hydraulic oil, ensuring uninterrupted operation, saving energy and reducing the machine's carbon footprint.
- + Minimal operational costs and maintenance.
- + Unlimited lift cycles for 24/7 operation.

Ecolift WR specifications

Working height:	4.20 m
Platform capacity:	150 kg
Dimensions (L x W):	1.28 m x 0.95 m
Machine weight:	382 kg
Outdoor rated:	yes

Upgrade your Ecolift WR with the following accessories:

- Tool tethering

Low-level access: NANO SP

FEATURES AND BENEFITS

- + Zero turning radius enables precise movement within tight spaces, ideal for manoeuvring close to aircraft and other equipment without risking collision.
- + Ultra-compact and lightweight design allows access to narrow areas where larger lifts cannot operate, making it suitable for busy hangars and other environments where space is limited and precise positioning is essential.
- + Robust, non-slip platform and self-locking front wheels.
- + Fully self-propelled, even when elevated.
- + Simple, intuitive joystick for all functions allows precise positioning.

Nano SP specifications

Working height:	4.50 m
Platform capacity:	200 kg
Dimensions (L x W):	1.76 m x 0.76 m
Machine weight:	500 kg
Extendable deck:	yes

Upgrade your Nano SP with the following accessories:

- Tool tethering



Inspection & maintenance

Compact and manoeuvrable for all-round access

Our **ES scissor range** (including the **ES1932** and **ES2632**) offers the stability and reach needed for aircraft cleaning and livery application, as well as larger-scale inspections of the fuel tank, the fuselage, and the tail. With easy manoeuvrability and minimal maintenance requirements, these machines improve productivity and lower operational costs during these inspections.



ES1932 specifications

Working height:	7.80 m
Platform capacity:	230 kg
Dimensions (L x W):	1.74 m x 0.81 m
Machine weight:	1565 kg
Extendable deck:	yes

ES Scissor Range (ES2632 & ES1932)

FEATURES AND BENEFITS

- + Compact footprint and narrow width for tight access requirements.
- + QuikFold rail system enables easy movement in constrained areas.
- + Fewer hoses and parts compared to hydraulic models, reducing maintenance and potential leak points for sensitive environments.
- + Double the battery life of competitor models for efficiency on the work floor.
- + Large work area and extendable deck provides ample space for workers and materials.

ES2632 specifications

Working height:	9.77 m (indoor)
Platform capacity:	230 kg
Dimensions (L x W):	2.4 m x 0.81 m
Machine weight:	1996 kg
Extendable deck:	yes

Upgrade your ES2632 with the following accessories:

- SkySense (page 16)





Assembly, cleaning & paint application

Improved safety and productivity

We provide the support you need to complete aircraft assembly, cleaning, and painting tasks safely, efficiently and effectively.

Our **Toucan 10E & 12E** Mast Lifts offer compact access to various aircraft parts, reducing maintenance time and increasing productivity. They support precise assembly tasks and easy paint application, and are often used for underbody and landing gear inspection as well. Their spacious work area has ample capacity for two people and is easily accessed via the slide bar and low step.

The all-electric **EC520AJ** is a versatile articulating boom lift that allows operators reach the highest points of hangars and terminals. It is suitable for tail wing inspections, livery applications and the painting and cleaning of larger aircrafts. Fast lift times, long run times and rapid battery charging help to maintain high productivity levels. 145-degree articulation allows precise manoeuvring and positioning around aircraft and within hangars.



EC520AJ Electric Boom Lift

FEATURES AND BENEFITS

- + Indoor and outdoor ratings increase versatility for hangar maintenance and supplementary tasks.
- + Zero emissions and low-noise performance.
- + Long run time and rapid charging time ensure high productivity.
- + Non-marking tyres protect sensitive flooring.
- + Low cost of ownership due to zero fuel consumption and maintenance-free batteries.

EC520AJ specifications

Working height:	18 m
Platform capacity:	250 kg
Dimensions (L x W):	1.83 m x 0.76 m
Machine weight:	7760 kg
Up and over height:	7.30 m

Upgrade your EC520AJ with the following accessories:

- Soft Touch (page 17)
- Fall Arrest System (page 19)

Toucan 10E & 12E Mast Lifts

FEATURES AND BENEFITS

- + Compact, narrow design provides manoeuvrability around tight aircraft sections and inside hangar aisles; and makes hard-to-reach areas under the fuselage and around the wings accessible without repositioning the aircraft.
- + Precise, immediate-response AC drive motors allow precise control and accurate positioning of the lift for detailed inspections or repairs safely.
- + Articulating jib and forklift-style mast for extended reach and up-and-over capabilities, ideal for accessing aircraft sections at various heights and angles, such as wing undersides, landing gear, and engine compartments. This reduces the time and complexity involved in repositioning equipment around the aircraft.
- + Non-marking tyres prevent scuffing and damage to hangar floors, keeping maintenance areas clean and professional-looking while avoiding damage to expensive surfaces.

Toucan 10E specifications

Working height:	10.10 m
Platform capacity:	200 kg
Dimensions (L x W):	2.82 m x 0.99 m
Machine weight:	2980 kg
Up and over height:	6.51 m

Upgrade your Toucan 10E with the following accessories:

- Soft Touch Obstacle Detection system (page 17)

Toucan 12E specifications

Working height:	11.83 m
Platform capacity:	200 kg
Dimensions (L x W):	1.6 m x 1.2 m
Machine weight:	4300 kg
Up and over height:	6.95 m



Assembly, cleaning & paint application

Improved safety and productivity

For projects requiring a larger team, the **ERT3369** Scissor Lift has a high-capacity platform accommodating up to four people. It is perfect for working on paint application, the Auxiliary Power Unit (APU), the tail area, fuselage and livery. Drive capability at full height reduces the need to lift and lower the platform between jobs, saving considerable time.





ERT3369 Scissor Lift

FEATURES AND BENEFITS

- + High capacity and largest platform size in its class, allowing up to four people to work on an aircraft simultaneously.
- + Indoor and outdoor rated for increased versatility.
- + Drive capability at full height improves productivity and limits trips up and down.
- + LCD platform control box with LiftSense technology and USB charging, delivering next-level, real-time productivity and service communication to the operator.

ERT3369 specifications

Working height:	12 m
Platform capacity:	454 kg
Dimensions (L x W):	3.53 m x 1.76 m
Machine weight:	4284 kg
Extendable deck:	yes

Upgrade your ERT3369 with the following accessories:

- SkySense (page 16)



Obstacle detection

Technologies for confidence and peace of mind

We offer a range of features to help you minimise the risk of incidents or collisions on your work sites and allow your operators to work with greater confidence.

Our obstacle detection solutions promote both operator and asset protection in high-stakes environments. **SkySense** provides proximity warnings to avoid collisions, while **Soft Touch** sensors deactivate functions upon detection of obstacles, providing additional safeguards in sensitive areas.



SkySense enhanced detection system

This enhanced non-contact detection system uses object sensors to enhance operators' awareness of their immediate surroundings. When installed on one of our boom or scissor lifts, the strategically placed sensors determine warning zones and stop distances, helping to minimise accidents and damage to machines and structures.

Operators can work confidently guided by audible and visual warnings of potential obstructions, and with the help of slow and stop functions based on proximity to objects. The warning zones can be scaled proportionally to joystick input, a feature that is unique to JLG SkySense.

Compatible with:

ES scissor range, and many other JLG booms and scissor lifts



Soft Touch Protection system

Soft Touch protects your machine and its surroundings with proximity sensors, padding around platform guard rails and sensors on a frame suspended below the platform. If the proximity sensors detect another object or the padding makes contact, all platform functions will automatically deactivate. This provides reassurance for your operators and avoids damage to equipment.

Compatible with:
EC520AJ and many other JLG boom lifts

Toucan collision avoidance system

The Toucan 10E & 12E Mast Boom Lifts 10E & 12E can be fitted with an innovative, non-contact, collision avoidance system. The Toucan Soft Touch system works in a similar way to SkySense, using LiDAR and ultrasonic sensor technology to provide the operator with warning and stop zone alerts. When an obstacle is detected by the technology, all platform functions will automatically deactivate.

Compatible with:
Toucan 10E
Toucan 12E



Fleet management & monitoring

The smart way to enhance uptime and profitability

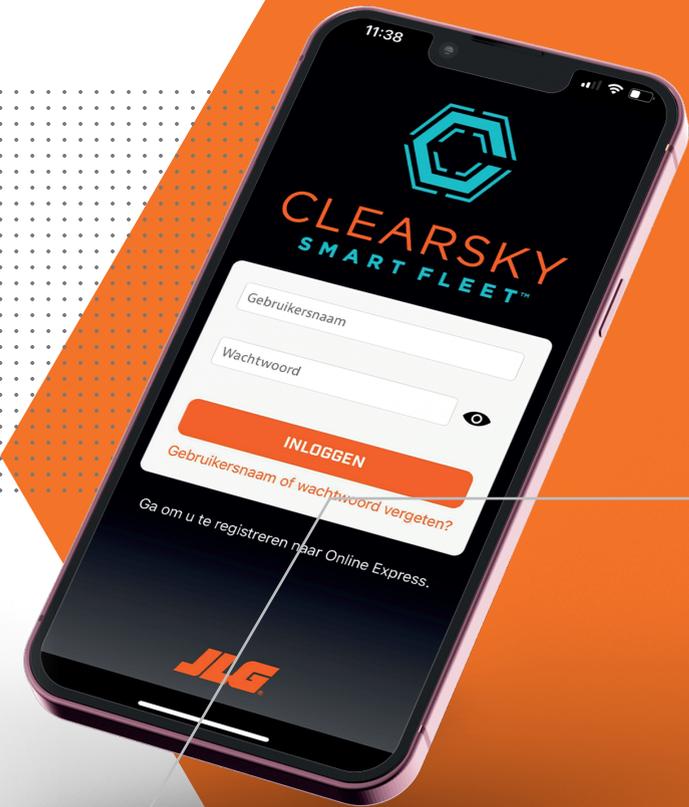
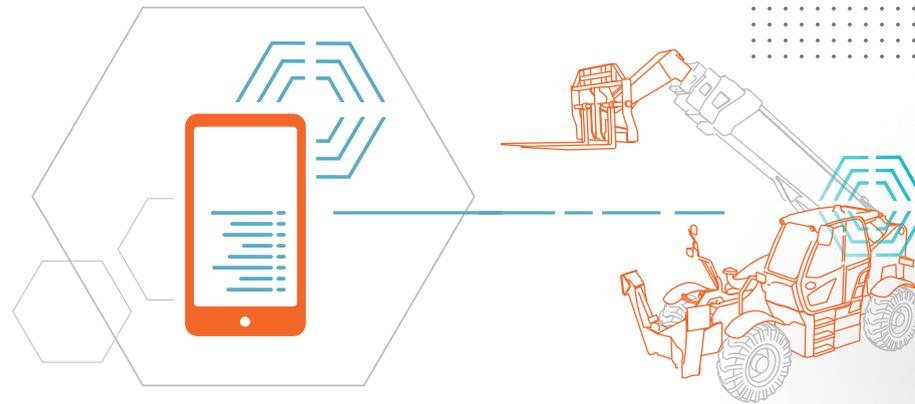
ClearSky Smart Fleet is our unique two-way fleet management and communications platform for connected machines. Going beyond simple machine location, it allows you reach new heights of productivity, uptime and profitability.

You can access ClearSky Smart Fleet via a user-friendly mobile app or a customisable web portal, which is integrated into JLG's 24/7 e-commerce site, Online Express. If you have a mixed fleet, you can incorporate ClearSky Smart Fleet data into your existing telematics systems using an advanced API data feed.

With more than 25 features, ClearSky Smart Fleet makes your fleet management tasks easier and more efficient. The mobile app gives you targeted digital data and access to JLG information to help you solve service issues quickly and conveniently. You can also identify equipment effortlessly in seconds using a geolocation function that activates a machine's beacon for visual and audible cues.

Standard on most new JLG products

Find out more:
<https://smartfleet.jlg.com/>



Operator safety at height

A higher level of protection and efficiency

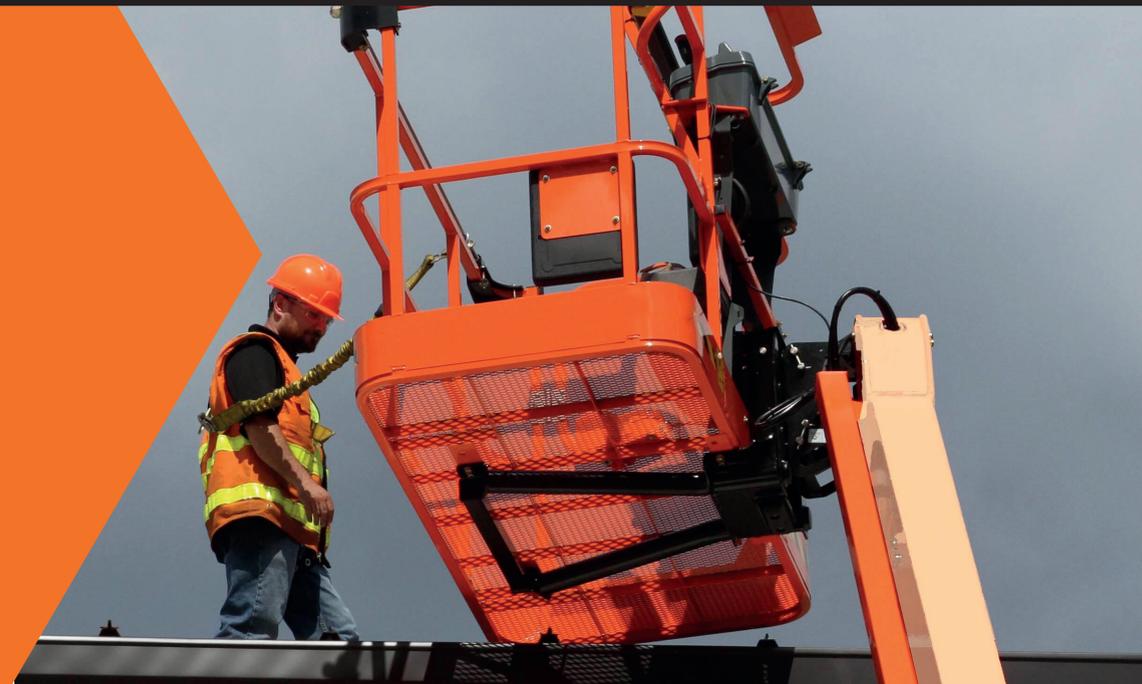


Fall Arrest System

Our bolt-on external Fall Arrest System gives operators an extra layer of safety and confidence when they need to exit the platform of a JLG boom lift and step onto an aircraft. The system is based on a specially designed cable that allows operators to move freely without detaching the safety harness. Always remaining tethered to the platform, they can move 270 degrees around it, and within a radius of 1.8 m, to access all areas safely and efficiently.

Compatible with:

EC520AJ, and many other JLG boom lifts





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