

# ACCESS WITH ZOOMLION GREEN



Scissor Lifts  
6.5m-18m



Articulating Boom Lifts  
11m-33.8m



Telescopic Boom Lifts  
22.7m-67.5m



Spider Lifts  
23m-27m



Telehandlers  
2.5t-4.5t



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# STEPPING UP?

However you define low level access, it is an undisputable fact that demand for the equipment that serves this market not only continues to grow but is also generating more than its fair share of new products and innovation... all driven by the need for great safety at these heights and greater efficiency.

**What do we mean by 'low level access? For some people it includes step ups, step ladders, small mobile towers and podiums etc, while others think of push around and micro self-propelled platforms with working heights up to around five metres? We tend to focus on powered access with platform heights up to 12ft and working heights of just under six metres.**

While there has always been a need, the trigger for the growth of machines rather than ladders was prompted by the 2005 implementation of the European work at height Directive 2001/45/EC which brought in a key change for most countries in that the rules applied when working at any height, rather than the usual four to five metres. One of the first markets to embrace and exploit the new rules was the UK which adopted it with the Work at Height Regulations. At that time between 40 and 50 people died each year from low level falls but another 4,000 suffered serious injuries.

This background led to the development of the first lift to be introduced - the Pop Up push around scissor lift - with a working height of just over 3.6 metres which was launched early in 2006. A larger five metre working height sigma type push around soon followed from Power Towers. Both companies did exceptionally well as the rental

industry embraced the idea and a panic arising from the belief that ladders were to be banned in the UK. While some contractors did initially ban them, common sense soon took hold, however it did curb the dubious use of inverted drinks crates or chairs to gain that additional height particularly on the major construction sites.

Perhaps surprisingly in the intervening 20 years or so since, the widespread acceptance in the UK has only spread to a few other countries in recent years with a significant take-up in France, the Netherlands and Germany as well as in parts of the Middle East - thanks to British contractors working in the region. In North America several US manufacturers such as Custom Equipment/Hy-Brid, GMG and MEC do very well, however many trades still tend to use larger machines such as a 19 or even 26ft scissor lifts, occasionally not even needing to raise the platform to reach the work.

While many manufacturers of low level access have come and gone it is not surprising that Pop-Up and Power Towers are still in the market. JLG acquired Power Towers from its owners Brian and Sandra King and Mark Richardson in 2015 and after a few years of letting Power Towers continue as it had been, the company was brought fully under the JLG umbrella. Since then Power Towers has moved into an all-new 9,500 square metre production facility in Leicester.



ELS Lift EL4.5 Junior



Axolift Elift 350

## LOW LEVEL PLATFORMS

New products continue to come onto the market, many of them now self-propelled, while a recent trend is to stop standing on the midrail, with innovations such as vertical guardrails or perforated panels. At the same time adaptable material carriers have been introduced for tubes or panels, while some models have outdoor ratings.

### POP UP

The original Pop Up was built in China with more than 6,000 units produced, however in late 2010 an agreement with Snorkel included the transfer for the on-going design and production of the Pop Up products - including the new Push6, Push8 and



*The first Pop Up push around was launched in 2006*

Push10 - to the Snorkel facility in the North East of England. The two companies' combined product lines were marketed as Pop Up products in the UK and Ireland and Snorkel in the rest of the world however the agreement did not last.

In 2020 Pop Up Products agreed a new 10 year partnership with the Dutch access company Altrex. Both companies had been working together from 2009 and included the joint development of several new products including a one person tower range - the MI Tower, MI Tower Plus and MI Tower Stairs. In February this year Paul Gallacher - a co-founder of Pop Up Products - stepped down as a director and from the day to



*The IQ Lift Pro 7 ACTIVE is a version of the Axolift Manulift 200*

day running of the company selling his shares to his two co-owners, Adrian Bottomley and Nigel Woodger.

The following month Pop Up formed a partnership with Italian aerial lift manufacturer Axolift to develop and distribute environmentally friendly low-level access platforms. This will initially be a tweaked Pop Up version of the Axolift Manulift 200 which is calling the IQ Lift Pro 7 ACTIVE - a fully manually operated push around lift similar in concept to the Power Towers Peco lift concept. The Pop Up/Axolift 200 has a working height of four metres, with an overall width of 760mm, an overall weight of 249kg and a platform capacity of 125kg.

Axolift managing director Massimo Grossele said: "Axolift is a relatively young company fully dedicated to developing a range of high quality and competitive low-level access products. With in-house engineering and development with our parent company Gromet, we are ready to react quickly and efficiently to new market demands."

### GROMET/AXOLIFT

Gromet is a long established fabrication and metalworking business, based in Veneto, in northwest Italy. It has produced fabrications and components for others for many years but launched its new push around products in mid 2021 at a separate facility on the other side of the town and has been expanding its range ever since. Equipped with the latest cutting, bending, and robot welding equipment allows it to produce a high percentage of the content for the new lifts in house - a distinct advantage in times of supply issue challenges.

## PUSHING THE LIMITS OF

# productivity

The **Snorkel S3010P** is a mini push-around scissor lift that provides a safe work at height solution for low level projects, and offers significant productivity benefits over traditional low-level access methods such as ladders or scaffolding towers. Designed to withstand the demands of construction sites, the Snorkel S3010P can lift up to 240kg (430 lbs.) to a working height of 5.0m (15 ft. 10 in.). Plus, it can pass through a standard doorway, and it is easy to use and simple to maintain.



**Snorkel S3010P**  
EASY TO USE. SIMPLE TO MAINTAIN

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To arrange a demonstration, call **Snorkel UK™** on +44 (0)845 1550 057 or view our entire product line at [www.snorkellifts.co.uk](http://www.snorkellifts.co.uk)

**Snorkel**

# VERSALIFT

# VTL ALL-ELECTRIC

## ELECTRIFYING PERFORMANCE



There's a sense of great excitement at Versalift as the new VTL All-Electric hits the road. With its 100% electric boom and the new All-electric Ford E-Transit, this urban duo takes the lead in electrifying performance, without compromise.

A new boom, higher payload, no stabilisers, impressive range on full-charge, plus reduced maintenance costs, all work together to optimise your productivity.



500kg  
payload



Best  
in class  
driving range



e-Tech battery  
technology for low  
emission zones



Single  
point  
charging



Working  
height 13.5m



8m  
outreach



Approved  
converter

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## LOW LEVEL PLATFORMS



*Axolift Manulift 200 and Elift 350 at APEX*



*The JLG-Power Tower has a working height of up to 5.1 metres*

Its first two products were the manually operated Manulift 200 and the battery powered push around Elift 350 with working heights of 4.0 and 4.95 metres respectively. The two models go almost head to head with the JLG-Power Towers' Pecolift and Ecolift lifts as well as the masted 830P push around model.

The Manulift 200 has a half metre working height advantage over the Pecolift but is 200mm short of the Ecolift. The maximum platform capacity is

110kg while the overall dimensions are similar to JLGs. The overall weight is 249kg. The Elift 350 offers a working height just shy of five metres with a platform capacity of 180kg and an overall weight of 355kg.

### JLG POWER TOWERS

Currently the JLG-Power Towers has three ranges - push around manuals with working heights up to 4.2 metres, push around electrics up to 5.1 metres and self-propelled up to 4.5 metres.

The push around range includes the 3.5 metre Pecolift and the 4.2 metre Ecolift - also available as an outdoor rated Ecolift WR version for use in wind speeds of up to 12.5 m/s and three degrees maximum gradient. The three wheeled Pecolift's footprint measures 990mm x 700mm and weighs 180kg having no batteries or hydraulic fluid. Slightly larger is the Ecolift with a 1.28m x 740mm footprint and 150kg capacity but like the Pecolift has to be operated on a flat surface



*Axolift 400W has a working height of 4m*



*The 5.2m working height Boss X3X*



HYDRAULIC OIL FREE



Working Height

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## LOW LEVEL PLATFORMS



*The Pecolift*

with less than a half degree slope. Weight of the Ecolift is 305kg, with the Ecolift WR weighing in at 340kg.

The push around electric range includes the 4.5 metre Nano, the 5.5 metre Nano 35, the 5.1 metre Power Tower and the two person 5.1 metre Power Tower Duo. Like the original Power Tower the latest version is aimed at users wanting a larger platform for tools and equipment for applications such as dry-lining, pipe and duct work, air conditioning, general M&E work and stop fitting etc. It has a 250kg maximum capacity and a footprint of 1.6 metres x 780mm and weighs 342kg. With additional stabilisers the Power Tower Duo weighs 425kg. Both Power Tower versions have the option of battery or mains power.

The self-propelled models include the 4.5 metre Nano SP and the 4.5 metre Nano SP Plus with double extendable deck giving a two metre by 730mm platform. Overall weight is 550kg and maximum gradient for operation is one degree.



*The 4.5 metre Nano SP Plus with double deck extension for a two metre by 730mm platform*



*The Bravi Sprint and Spin-Go*

### BRAVI

Another company that was one of the early entrants into the low level market was Italian company Bravi which began manufacturing its self-propelled Lui Mini in 1995 which later became the Leonardo. Its double deck extensions meant the Leonardo and Leonardo HD offered 1.7 metres platform length, significantly more than any other lift. Its high specification included 4.9 metres working height, 180kg platform capacity, an overall weight of 495kg and 35 percent gradeability also meant that it found many takers and is still very popular almost 20 years on.

Today Bravi has expanded its low level offering and includes the increasingly popular Leonardo HD - with attachments such as the Solo-Gyps Drywall lifter and Small-E Inspection device - the Lui 460, the Spin-Go and Sprint in its tyre TL and LP variations.

The current Bravi Leonardo HD has gained a bit of weight at around 530kg but the impressive

platform length, working height and gradeability remain the same. The battery powered 6.6 metre working height Lui 460 has a shorter deck at 2.4 metres with a 280kg capacity. Overall weight is 1,250kg.

The 4.2 metre working height Spin-Go platform/stock picker has a 130kg capacity with 90kg on the stock picking platform. Overall weight is 280kg. Its larger brother, the Sprint, has a 5.35 metre working height and 113kg stock platform capacity with one person rating.

### TYRE HANDLER

A few years ago, Bravi introduced an interesting variation of its 5.35 metre Sprint - the tyre handling Sprint TL - designed to take the effort out of placing and retrieving tyres and wheels from storage racks in a warehouse, workshop or retail environment, quite a specific application but it does show the possibilities.

The lift rack/table tilts forward when the lift is stowed and can easily be loaded with up to four tyres and a combined weight of 100kg. As the lift raises the rack is returned to horizontal when the shelf is reached the tyres can be easily transferred to the shelf, with the bottom plate raised via chain drive system, to bring the next tyre up to the operator. The reverse occurs when retrieving tyres from the shelving.

Not only does this make the picking and storing of tyres safer and easier, but it also increases efficiency and the number of tyres that can be stored within a given space. The platform has an overall width of 808mm and can travel at speeds of up to 5kph when stowed. It also has sufficient battery power for a claimed travel range of 18 kilometres on a single charge.

Bravi has performed well in recent years reporting 20 percent increased revenues and a 60 percent jump in order intake for the first half of last year which was similar to the growth in 2021, driven by a 57 percent increase in sales of its



*The lift rack moves to horizontal so that tyres can be rolled off or onto shelving*



The Snorkel low level range

"The markets using these products are very diverse, but the core sectors include education, industrial, commercial and retail," says Snorkel's Andrew Fishburn. "Generally, these products are now treated as self-erecting scaffold towers, speeding up or eliminating erection time and removing the risks of getting the components of the tower in the right place. Updated HD 1004 regulations further complicated scaffold erection and drove more operators towards these mechanical alternatives."

Rental rates for the powered push variants vary from £35 - £85 a week in the key UK market - between one and a half and two

and a half percent of weekly capital cost - still higher than the non-powered variants.

"Products need to be simple to use and maintain," he said. "The S3010P and S3010E for example come standard with two coat powder paint system for improved durability and protection and are available with maintenance free AGM batteries. In 2021 following customer feedback, we added wide body guardrails, offering easier access and a roomier platform along with toe board cut aways with dual swing safety gates which prevents debris falling out of platform."



The Snorkel S3010E controller

**PUSH OR DRIVE**

But when and how do customers choose between a self-propelled version, or a push powered or non-powered?

"Usually high productivity areas such as shop fitting and M&E business require high work output, so operators prefer to be able to drive whilst elevated," says Fishburn.

In 2021 snorkel introduced the S3210P powered push around machine that is outdoor rated, but the footprint is only 60mm wider than the indoor machine. Uses include shell and core M&E high rise work where clients require currently scaffolds and podiums which are susceptible to overturning in wind.

**NEW ADDITIONS**

More recently there have been new entrants to the market. In addition to Axolift, Haulotte launched seven new lightweight models - all under six metres - last year. The two model Move Up line of push around, electric lift vertical mast lifts consist of the Move Up 4.6 and Move Up 5.6,

bestselling Leonardo HD, a 53 percent shift in sales of the Sprint model and a doubling of sales of the Spin-Go push around platform/stock picker. The company has increased production of the Leonardo HD to 25 units a day, and the Sprint to 15 units a day - helped by a €1 million investment in the production lines this year.

**SNORKEL**

Snorkel has been producing push around and powered low level lifts for many years having started with Pop-Up. Its best sellers are the five metre S3010P push around and S3010E self-propelled version.



**Leonardo HD**

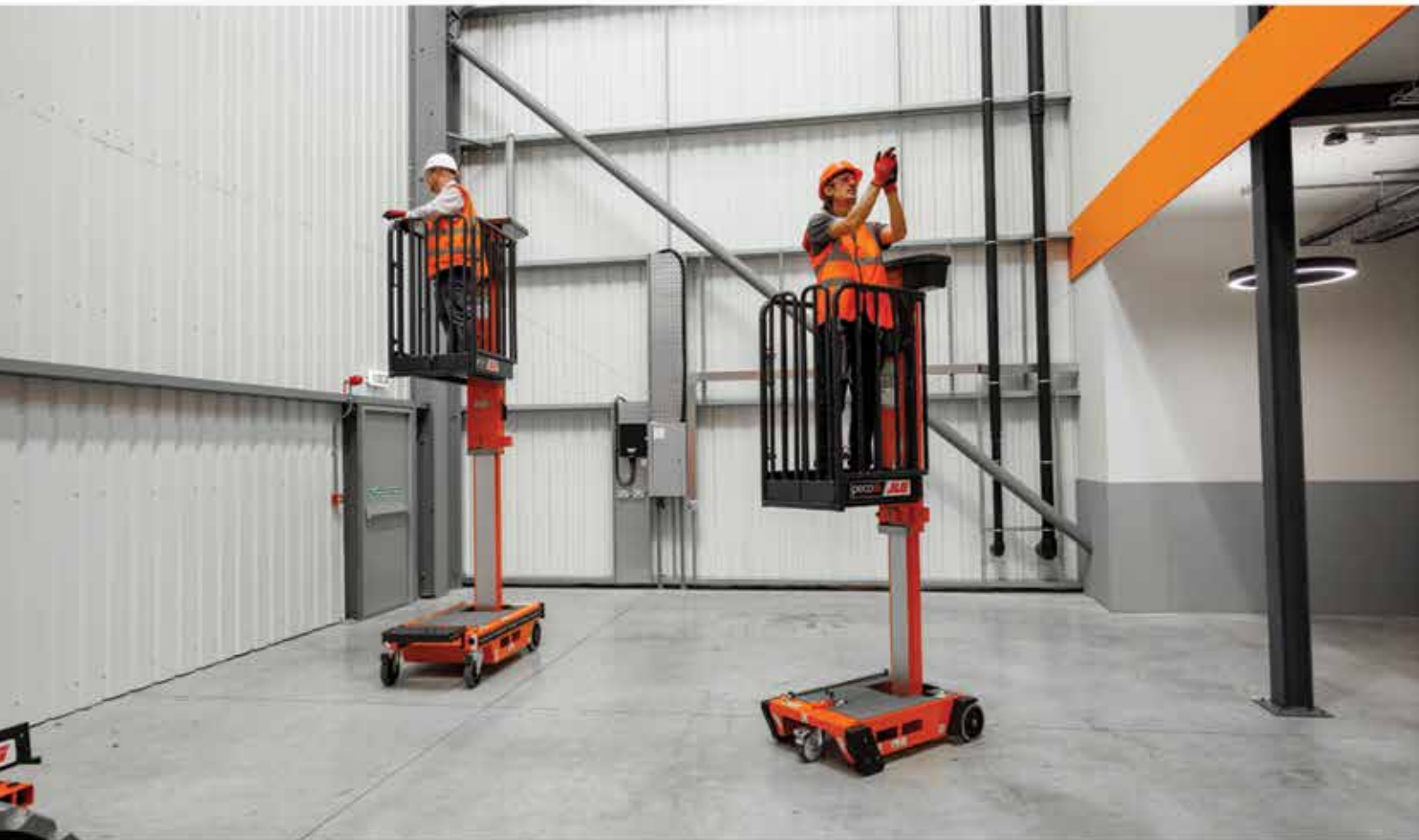
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## Low-Level Access by JLG Power Towers. A smarter way to work.



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**Work Stress-Free:** Our ergonomic design allows operators to work comfortably over longer periods of time, while reducing the potential for musculoskeletal injury, stress, and fatigue.

**Work Efficiently:** The benefits of working at height safely and comfortably include improved work efficiency, increased worker morale, reduced sick pay and workers' compensation claims, along with decreased absenteeism and employee turnover.

**PowerTower, Nano Push, Ecolift and Pecolift are now available to order with anti-climb vertical rails.**

with working heights of 4.6 and 5.6 metres respectively. Capacity on the 670mm x 660mm platform is 159kg and overall width is 700mm with a stowed height of 1.8 metres and overall weight 288kg and 378kg respectively. Power comes from a single 12 volt AGM battery.



The Haulotte Swift Up 4.5

The two model Swift Up line of push around scissor lifts includes the Swift Up 3.8 and Swift Up 4.5 with working heights of 3.8 and 4.5 metres respectively. The two units have a platform size of 1.04 metres x 570mm with a maximum capacity of 240kg. The overall length of both is 1.2 metres, the overall width 700mm, with stowed heights of 1.72 and 1.78 metres and total weight of 270kg and 315kg respectively. Power comes from the same 12volt AGM battery as the masts.



The Swift Up SP controller

And finally, the three model Swift Up SP range - the Swift Up 4.5 SP, Swift Up 5.0 SP and Swift Up 5.9 SP - have maximum working heights of 4.5, 5.0 or 5.9 metres respectively. The smaller model has an overall length of 1.2 metres, while the two larger models are 1.4 metres. Platform dimension on the 4.5 is 1.04 metres x 570mm while the two larger machines have a 1.28 metre x 650mm platform. Capacity on all three is 240kg and overall width 700mm. The stowed height of the two smaller models is 1.8 metres while the 5.9 metre model is 1.9 metres. The battery pack comprises two 12volt AGM units.

The new models - badged by Haulotte - are available in Europe outside of the UK, and



The top of the range Swift Up 5.9 SP

throughout the Asia Pacific region apart from South Korea, while in South America it only offers the Swift Up SP range.

**SMALLER NAVIGATOR**

UK manufacturer Metal & Modular launched its smallest push around manually powered scissor lift earlier in the year. The Navigator 4.5 has a working height of 4.5 metres with a platform capacity of 150kg and an indoor/outdoor rating. It is considerably more compact than the company's first model - the six metre Navigator 6.0 - unveiled more than a year ago. Overall length is 1.05 metres with an overall width of 720mm, while the total weight is just under 300kg.



Navigator 4.5 and 6.0 at APEX

**CHINESE ENTRANTS**

One of the more prominent low level access Chinese manufacturers is Reeslift located in Shandong, which exhibited a wide range of products at Bauma and APEX including push around, scissor and mast type machines. Its JCPT03PA push around scissor offers a working height of five metres.



Reeslift at APEX

Other relatively new Chinese manufacturers include Heli - the Anhui Forklift Group - which has a European subsidiary Heli Europe. The company has been a leading manufacturer of industrial forklifts in China for more than 30 years. It also has a European subsidiary, Heli Europe, which is based



Heli

in Calais, France with a depot in Lyon with an extensive range of machines and parts in stock. Its aerial lift range is limited at the moment and includes self propelled scissors with working heights from 5.8 to 11.9 metres.

For those looking for small track mounted scissors or a small push around lift another Chinese manufacturer Hered (Shandong)



The Hered HS0507ST and HC0607EA

Intelligent Technology has a range with working heights from five metres to 15.8 metres. The smallest tracked machine is the 4.5 metre platform height HC0507E which has a platform size of 1.34m x 720mm with a 600mm deck extension, 230kg maximum capacity, 25 percent gradeability and weighing 920kg. Power is supplied by two 12 volt/100Ah batteries giving a 4kph drive speed. Smallest lift is the five metre working height HS0507ST push around.

**FARAONE**

The Elevah series by Faraone offers a wide range of aerial platforms and compact picking machines with working heights up to eight metres. The range includes self propelled and push arounds as well as 'specials' with machines with attachments for glass handling and lifting barrels. The company says sales are strong in Germany, France, Ireland, Greece, Spain and Poland.

Current models include the Move with working heights ranging from the four metre Move 40 to 7.75 metres and the Move 80. Stock and tyre picker variations are also available. The four model push around range includes the four metre Elevah 40B, the 5.15 metre E5B, the 6.1 metre Elevah 61 and the 7.25 metre Elevah 70.

Latest development is a move to a more compact chassis for the smaller models and the latest introduction is the new five metre 55 ES Move with the whole platform moving 600mm for added reach over obstacles. The new E6 - which has a working height of six metres - is currently in prototype testing and will be available next year. ■



The new Faraone Elevah E6 - which has a working height of six metres - is currently in prototype testing and will be available next year