

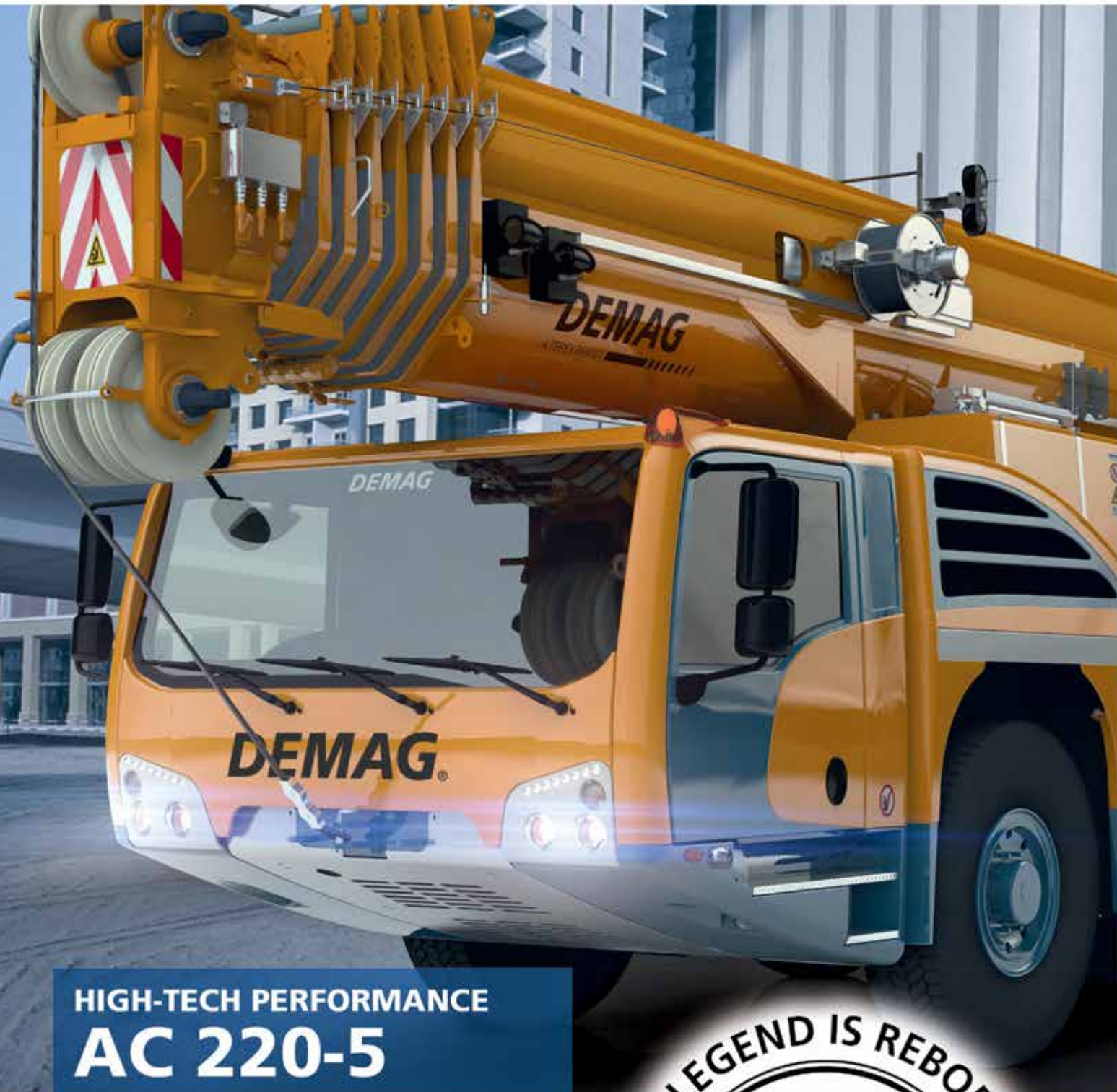
cranes & access

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July/August 2016 Vol.18 issue 5

Dealer guide
City AT cranes
Engines
Lifting & Access
for industry
Vertikal Days
review

....Raimondi launches new crane.....Skyking/King Highway bought.....TVH on the acquisition trail



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On the cover:

The new 5.66 metre working height Genie GRC-12 is a newly designed version of the Genie Runabout Contractor and features saloon doors with extension deck to provide easier access to operators carrying tools and materials.



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King Highway acquired, Nationwide adds spiders, Raimondi unveils MRT159, Custom appoints Collé, TVH acquires Industrial Access, Latest Böckers for Berry Cranes, KBW and Ascorel team up, Liebherr consolidates in USA, Teupen opens UK facility, Werner invests in UK, Three Katos for City Lifting, New forestry crane from Hiab, Chinese plant for Wacker Neuson, Interlift adds Hewden depots, Klubb moves into Benelux, Financials round-up.



City cranes and small ATs 17

Kato has re-entered the European market with a range of three City cranes from 13 to 35 tonnes capacity. We chart the development of the City crane as well as profiling UK-based Reeds Bray Cranes which specialises in small capacity ATs.

Industrial access 25

July and August have traditionally been the time for plant shut-down maintenance and repair programmes. Access equipment plays a major part in any work above ground. We take a look at the various equipment options as well as examining a real-world example and ask which type of equipment is the best for the job.



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Our annual UK/Ireland dealer guide and source guide lists all the crane, access, telehandler and ancillary equipment currently manufactured along with the contact details of the distributors for the UK and Ireland.



In the next C&A

The next issue of Cranes & Access scheduled for early September will feature: Spider/mini cranes, Large Rough Terrain scissor lifts, the annual Top 30 Rental company survey, Safety equipment and remote controls. If you have any contributions or suggestions or are interested in advertising in this issue, please contact our editorial or sales teams.

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Pick & carry cranes 47



Although there have been few major developments in the industrial pick & carry crane market, there has been significant growth in other types of equipment capable of lifting and carrying a load. We review some of the equipment available.

Vertikal Days review 50

The biggest and best Vertikal Days also happened to be the 10th at Haydock Park. We take a look at some of the highlights.



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The subject of engine emissions has dominated construction equipment development - both on and off road - for the past decade or more. With Stage V looming, we take a look at the detail and hopefully clarify the situation.

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There is only one boss - the customer - and he can fire everybody in the company from the chairman on down simply by spending his money somewhere else

Sam Walton

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Restraint or arrest - a point to consider

As this issue was going to press, reports came in of another fatality after a truck hit a platform, ejecting both men from the basket.

It would appear that although both were wearing harnesses one survived, but badly injured, while the other did not.

It seems that both were using long lanyards.

Let me say from the outset that it is good news that the use of harnesses in booms has grown enormously in recent years and is now generally accepted as good work practice at least throughout Europe, Australasia and North America. Whether or not operators are wearing the correct harness and lanyard and whether they are correctly attached is another matter.

This incident highlights some worrying aspects regarding lanyards - their length and the anchor points. Like any equipment, the lanyard has to be used in accordance with manufacturers' guidelines and be correct for the application. It may be for fall restraint or fall arrest - there is a big difference.

As IPAF's Clunk Klick campaign promotes - you should always wear a full body harness with a SHORT lanyard when using a boom type platform. This is a fall restraint system that physically prevents the wearer from being thrown from the basket by a sudden movement/catapult effect. Fall restraint systems prevent the wearer getting into trouble in the first place - ie physically stopping a roofer getting close to the edge and risking a fall etc... These lanyards are available in a variety of lengths or are adjustable for use in different situations. In a boom lift the short lanyard is not intended to allow the operator much movement, in order to keep him in the basket. However this is a reason why longer lanyards are often used - but if too long they no longer restrain.

As we all too often see, if there is a sudden 'catapult' movement - from the platform being hit by a truck, driving over a curb etc - those with too long a lanyard can be thrown out. If they are lucky, they are left dangling from the platform without serious injury. I say lucky because the lanyard anchor points in many platforms are not designed to cope with the full forces of a 100+kg operator dropping say 1.8 metres before stopping dead, and in many cases will fail.

The anchor point for a fall arrest lanyard has to meet high static and dynamic test loads for 1.8 or even two metre drops. Fall arrest systems are not generally recommended for use in aerial work platforms due to the loading they can impose on the platform, not to mention the fact that if the platform is too close to the ground they will not work at all.

So even if you are wearing a harness in a boom check the lanyard length and anchor point to ensure you are properly protected.

Mark Darwin

Comment and feedback is most welcome via post, email, fax or phone stating if we may publish them or not: editor@vertikal.net

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King Highway acquired

King Vehicle Engineering - the parent of Skyking, the UK distributor for Palfinger Platforms and hooklifts, Almac scissor lifts and Easylift platforms - has been acquired by H W Martin Group. No details of the transaction have been disclosed. The King group also includes King Trailers, King Highway Products, King Transport Equipment and Safety Vehicle Hire and Lease.



Mark Carrington has sold his company to H W Martin but will continue to head the company

The company was founded in 1962 with owner Mark Carrington joining the business as part of a management buyout in 1994, later gaining 100 percent ownership. The business subsequently diversified into a wider range of specialist vehicles across different market sectors. H W Martin, a long term customer of King was established in 1972 as a fencing manufacturer and its activities now include industrial fencing, waste and recycling, traffic management and vehicle and equipment maintenance. It is also a parts and service dealer for DAF trucks, is based in Alfreton, Derbyshire, with 16 locations from Devon to Scotland and revenues of more than £100 million.

King will continue to operate as a stand-alone business within H W Martin Holdings from its base in Market Harborough, with Carrington remaining as managing director for the next year or two as a successor is appointed and a transition organised. See vertikal.net for full report.

Raimondi unveils new flat top

Raimondi Cranes has unveiled the new MRT159 flat-top tower crane with a maximum capacity of 10 tonnes and a maximum jib length of 65 metres. Capacity at the jib tip is 1,650kg. The crane made its debut at Ankomat in Istanbul, Turkey last month with deliveries due to start later this month.

The new crane is said to include numerous new design features which make it easier, safer and faster to erect and install. Technical director Domenico Ciano said: "The MRT159 has more jib configurations and a selection of three different winches, compared to the Raimondi MRT152, while the jib tip capacity is 25 percent higher.



The new Raimondi MRT159 was launched in Turkey



TTS produces a wide range of marine cranes up to 2,000 tonnes capacity

Palfinger bids for TTS

Loader crane and access platform manufacturer Palfinger has made a bid for publicly quoted Norwegian company TTS Group ASA. Palfinger is offering NK 5.60 cash per share and TTS is likely to recommend the offer to its shareholders. The offer is already supported by 67 percent of the shareholders including the Skeie family, which holds a 32 percent stake. The offer will become effective on the approval of 90 percent of shareholders. If approved the deal is expected to close towards the end of the year.

The TTS group designs, develops and supplies cranes and services for the marine and offshore oil and gas industries. It was established in 1966 and is based in Bergen. It has been listed on the Oslo Stock Exchange since 1995. The company has grown rapidly since 1996 through a series of strategic acquisitions and has established a leading position in the market for marine handling equipment, with a strong foothold in China through three 50 percent owned companies. It also has operations in Belgium, Brazil, China, Finland, Germany, Greece, Italy, Korea, Norway, Poland, Singapore, Sweden, United Arab Emirates, USA and Vietnam.

Palfinger says that there is only a marginal overlapping of products and services between TTS and Palfinger Marine and would make Palfinger one of the top three players in the market.



Some of the new Hinowa spider lifts joining the Nationwide fleet.

Nationwide adds spiders

The UK's largest powered access specialist Nationwide Platforms has taken delivery of 35 new Hinowa spider lifts with working heights from 14 to 26 metres.

The new units include a mixture of lithium-ion battery and bi-fuel powered units from Hinowa's Performance IIS series including 14 metre Goldlift 14.70s, 17 metre Lightlift 17.75s, 20 metre Lightlift 20.10s and 26 metre Lightlift 26.14s. The new machines were supplied by local distributor Access Platform Sales (APS). Nationwide is offering the new spider lifts on an operated or self-drive basis and features include non-marking tracks, wireless remote control, automatic levelling and extendable tracks for improved stability when travelling.



Vertikal Days biggest yet

The 10th annual Vertikal Days managed to dodge the rain for all but the last two hours of the event, which also happened to coincide with the England-Wales game in Euro 2016.

The biggest show to date attracted a record number of visitors and exhibitors, with most attending the first day and morning of the second - so most of the 2,400 plus visitors managed to stay dry. There was a surprising number of new product launches at the show - in spite of it coming so close behind Bauma - and numerous deals were done in spite of the threat of the looming EU referendum. The event also played host to the fourth 'Stars of the Future' awards ceremony which recognises the best engineering apprentices in our sector. A record number of students, lecturers and family members attended event this year.

A full pictorial review of Vertikal Days can be found on page 50, while 'Stars of the Future' award winners can be found on page 71. The next Vertikal Days event is scheduled for mid-May 2017 and will most likely be held at a new Southern venue which should be confirmed within the next two weeks.



TVH acquires Industrial Access

Belgian international replacement parts and access rental company TVH has acquired Romania's Industrial Access from Balkan Accession Fund and founder and chief executive Stefan Ponea.

Industrial Access is one of the largest independent powered access rental companies in the region, with eight locations in Romania - two depots in Bucharest plus Timisoara, Cluj, Brasov, Iasi, Constanta and Craiova. It also has outlets in Bulgaria and the Republic of Moldova. All offer aerial work platforms, earth moving and compaction equipment and other material for rental.

Founded by Ponea in 2005, the Balkan Accession Fund bought into the business in 2007 and has been looking to realise its investment. TVH is already established in Romania, having acquired access rental company Romlift in 2013. The transaction is conditional upon obtaining the approval from the Romanian Competition Council. It is expected to close within three to four months.



Industrial Access HQ in Bucharest, Romania

Custom appoints Collé

Custom Equipment - the US-based manufacturer of low level powered access - has appointed Netherlands-based Collé Rental & Sales as European master distributor for its Hybrid low level self-propelled and push around scissor lifts.

Collé also has locations in Belgium and Germany and will offer the Hybrid products for both sales and rental. The company kicked off its new venture by taking a last minute stand at Vertikal Days in June to show the Hybrid products and H.A.B heavy duty scissor lifts, which the company helped rescue from administration last year.

Custom Equipment has appointed Netherlands-based Collé as European master distributor.



Nordic Crane splits

The joint owners of Nordic Crane Group, Kynningsrud and Stangeland Gruppen, have decided to split the business into two and go their own ways. Kynningsrud has taken over all of the Nordic businesses in Sweden and eastern Norway and will be known as Nordic Crane Kynningsrud. Stangeland Gruppen has taken over the rest of the Norwegian operation which comprises divisions in Southern, Western, Central and Northern Norway, becoming Nordic Crane Stangeland.

The subsidiaries will both retain the Nordic brand name and corporate identity, at least in the short term, and customers are not expected to notice any changes. National framework agreements will remain in place and all contracts and agreements honoured. The split leaves each partner with around half the business, each having revenues of around NK600 million (\$70 million) and 300 employees.

Kynningsrud and Stangeland merged their respective crane businesses in 2008 to create Nordic Crane Group, with each owning 50 percent of the combined business. Since then the brand has become widely known, while revenues have doubled.

The two owners issued a joint statement saying: "Despite strong growth, synergies have not worked out the way we wanted. Geographical distances prevented the Nordic Crane Group from utilising its resources efficiently enough."



Nordic Crane has split in two



Bradley Abrahams (C) of Terex hands over the CC6800's key to The Crane and Chu Kai representatives

Terex CC6800 for The Crane in Thailand

Thai rental company The Crane - a subsidiary of Chu Kai - has added a new 1,250 tonne Terex CC6800 crawler crane to its fleet. The first of its kind to be commissioned in Thailand. With a maximum load moment of 13,952 tonne/metres the crane has a maximum system length of 210 metres and features Quadro drive and hydraulic boom section pinning as standard.

Managing director of The Crane Janejira Praerangsi said: "Having the right equipment for the needs of customers is a priority for our company. We anticipate growth in our markets over the next few years and we wanted to make sure we can offer the best options among our competitors. The CC 6800 provides versatility for all of the markets we work in."

Giuseppe Maiullari of Co.Mai takes the keys to the new CMC from Carlo Mastrogiacomo of CMC



First CMC replaced

Italian rental company Co.Mai has taken delivery of a new 16 metre CMC PLA 168 truck mounted platform, replacing the first CMC truck mounted platform ever built, a 16 metre PLA 16 which it purchased 18 years ago in 1998.

When CMC realised that Co.Mai had been running the first platform it ever built, it decided immediately to trade it in and it has gone on show at its new headquarters."

KBW Investments and Ascotel team up

The owner of Raimondi Tower cranes, KBW Investments and French anti-collision and load indicator manufacturer Ascotel have formed a joint venture for the Middle East.

The agreement, which will see the formation of Ascotel Middle East, will sell and distribute Ascotel products throughout the Middle East and North Africa. It is expected to be operational by August and will be based at KBW Investments headquarters in Dubai.



Berry Cranes has taken delivery of two new Böcker aluminium cranes - the AK46-6000 and the AK37-4000

Latest Böckers for Berry Cranes

UK-based rental company Berry Cranes has taken delivery of two new Böcker aluminium cranes - the six tonne AK46-6000 and four tonne AK37-4000.

Both include automatic levelling, slew restriction, boom angle restriction, automatic boom retraction and a new HBC remote control unit with colour screen. Berry Cranes of Towcester, Northamptonshire now has one of the largest Böcker crane fleets in the country. The company also taken delivery of a new four axle 70 tonne Tadano ATF 70G-4L.

Liebherr consolidates USA business

Liebherr is bringing together most of its business in the USA under a single corporation - Liebherr USA, Company - to create a simpler structure and encourage a closer working relationship between the divisions.

Liebherr began doing business in the United States in 1970 but over the years each Liebherr company has opened and registered its own operations. These existing sales and service companies will now become divisions of the new grouping including Tower Cranes, Refrigerators, Liebherr Components, Concrete Technology, Construction Equipment, Marine and port handling, and mobile/crawler Cranes including duty cycle cranes from Nenzing.

The US Aerospace, Gear Technology, Automation Systems and Mining Equipment companies will not be part of the move, although the new company will be responsible for the sales and service of mining equipment in North America. The company will have three managing directors, Torben Reher, Daniel Pitzer who heads up the mobile and crawler crane division and Peter Mayr for construction equipment.

The new 14m Movex is designed for 3.5 tonne vans



New 14m van mount from Movex

Spanish vehicle mounted lift manufacturer Movex has introduced a new 14 metre TLF14 van mounted aerial work platform. Mounted on a 3.5 tonne van it offers 6.5 metres of outreach with 200kg, or 7.7 metres with 120kg.

It features a two section telescopic boom and long articulated jib with around 120 degrees of articulation. The new lift completes the company's six model TLF range with working heights of nine to 14 metres. Movex will now focus on developing the new TLR series, consisting of 15 to 20 metre telescopic platforms.



The new facility is the company's first in the UK having previously sold through distributors

Teupen opens UK facility

Spider lift manufacturer Teupen has formally opened its new UK facility in Bromsgrove, Worcestershire. This is the company's first base in the UK, having previously sold through distributors.

The facility Features a warehouse, yard and office which will allow for equipment demonstrations, it will also be the centre for UK product support and training and will be managed by UK regional sales director Craig Rooke who will be joined by a team of technical sales specialists. Maintenance of all Teupen platforms will be provided by the company's service provider Alfa-Access Services.

Rooke said: "We are now able to solve customers' problems on site, carry out training and to hold demos. All solutions are tailored and customised within a short time to meet the needs in the UK."

Pfeifer sends Explorer 5500 to Ireland

Irish rental company Quinn Crane Hire has taken delivery of a new 130 tonne Terex Explorer 5500 All Terrain crane from Netherlands-based new and used sales and rental specialist Pfeifer.

Pfeifer Rentals supplied the new five axle crane to Quinn - its first Explorer 5500 - on a long-term rental contract. The crane features a 60 metre main boom, plus an 11 to 21 metre bi-fold swingaway extension which offsets up to 40 degrees. Based in Donegal, Ireland, family-run Quinn Crane Hire was established in 1994 and runs a crane fleet ranging from 35 to 200 tonnes.



(L-R) Wesley Wittstock of Pfeifer, Gary Quinn, Jim Quinn, and Mark Quinn all of Quinn Crane Hire



(R) Michael Heneghan of GGR with Andrew Fenton, and Ian Kavanagh both of Sangwin

Galizia for Sangwin

UK contractor and rental company Sangwin has taken delivery of a new 15 tonne battery electric Galizia G150 pick & carry crane. The G150 has a maximum tip height of 8.5 metres, which can be extended to 11.4 metres with the optional jib. Sangwin has also taken the optional searcher hook for low headroom work. Based in Hull, Sangwin runs a fleet of cranes with capacities up to 160 tonnes, along with booms, scissor lifts and telehandlers.

Werner invests in UK plant

US ladder and tower manufacturer Werner is investing more than \$1.8 million in its UK manufacturing facility in Maldon, Essex.

New equipment includes a BLM Adige fibre optic laser cutter, to cut treads for the company's fibreglass stepladders, stiles for box section extension ladders and BoSS access tower components. \$100,000 has been spent on increased nitrogen generation, which is used in the aluminium laser cutting production, making the company self-sufficient in the gas.

The company has also added 2,300 square metres of additional warehousing and dedicated extrusion store and opened a new National Distribution Centre in Burton Upon Trent.



Werner's new BLM Adige fibre optic laser cutter



City Lifting's new 35 tonne Kato CR350Ri ready for sign writing

Three Katos for City

UK rental company City Lifting has added three new Kato City-type All Terrain cranes to its fleet. The new cranes - purchased through local distributor Rivertek - include two 13 tonne CR130Ri and one 35 tonne CR350Ri. They join a fleet of more than 60 mobile and 110 tower cranes.

Trevor Jepson of City Lifting said: "We are pleased to add the Kato brand to our fleet and believe these new cranes will offer our customers many unique capabilities not available from other manufacturers. The short tail swing on these cranes is impressive and allows them to operate in very restricted areas. The fly jibs can also be installed without needing any tools - a very welcome feature from our point of view."

Arborists guidance for work at height

IPAF has published new technical guidance/safety tips for those working in the tree care industry, to help ensure platform users work safely at height.

IPAF's accident statistics indicate that one in five of all aerial work platform related fatalities involve tree workers.

The guidance analyses some fatal incident reports, draws out the lessons learned and provides safety tips for trained operators before, during and after tree care work - all in a concise downloadable format.

The guidance can be downloaded from the Publications/Technical Guidance section on www.ipaf.org.



The safety guidance can be downloaded free of charge

New forestry crane from Hiab

Hiab has announced two new loader cranes designed for forestry applications - the Loglift 140Z and 150Z.

The new cranes have load moments of 14 and 15 tonne/metre respectively and feature hydraulic pilot controls, Hiab's SafetyPlus system with external display providing full crane performance data, hose link guard protection to deflect tree limb impacts, while allowing fast changing of any damaged hoses and special 'nDurance' paint protection.



Hiab's new 140Z loader crane



Cem Peksaglam of Wacker Neuson (L) and Zhou Diming director of the Administration Committee of Pinghu Economic-Technological Development Zone sign the relevant contracts

Chinese plant for Wacker Neuson

Telehandler manufacturer Wacker Neuson is to open a new plant in Pinghu about 30km from Shanghai, China, initially to build compact excavators for the local market, but other products will follow later.

Construction is planned to start later this year, with completion anticipated for the end of 2017 and the first production units are expected to come off line in early 2018.

Once the plant is fully functioning it will also start to export to other Asian markets with products tailored to meet local requirements.

Chief executive Cem Peksaglam said: "We finally decided for the Pinghu location in Zhejiang Province which best meets our requirements and the support of the local authorities is outstanding. In the largest construction machine market in the world we underline our commitment towards our Chinese customers and trading partners. The strategic position between Shanghai and Hangzhou, as well as a good infrastructure are key advantages of the new location."



Mammoet confirms a multiple order for the LR 1500

20 orders for 500 tonne Liebherr LR1500

Liebherr says that it has already sold 20 units of its new 500 tonne LR1500 crawler crane since its launch at Bauma in April. The prototype of the new crane was unveiled at its open days at its Ehingen plant in June 2015 and the first machines will be delivered later this summer.

Buyers so far include Hovago and Mammoet from the Netherlands, which have ordered up to five units each, US-based Amquip which is taking four and Beutelhauser of Germany.

The company claims that the crane has the load charts of a 500 tonne crawler crane, whilst having the dimensions and component weights of a 400 tonne crane, such as the LR 1400/2 which it replaces. It can be transported worldwide without restrictions, with a minimum transport weight of 45 tonnes. Capacities have increased 28 percent on average over the LR1400 when using the 84 metre main boom and 55 percent when comparing the 84 metre main boom plus 84 metre luffing jib.



Interlift offers a range of lifting gear from shackles to spreader beams

Interlift expands to Hewden depots

Lifting gear and materials handling specialist, Interlift is adding six new locations to its UK network as part of a plan to become a national player, following its acquisition by Hewden earlier this year.

The new outlets will be at existing Hewden depots in Grangemouth, Newcastle, Immingham, Leeds, Bedford and Wokingham, adding to the Interlift branches in Middlesbrough, Hull and Glasgow. The company provides a range of lifting gear and accessories including, hoists, lifting straps, shackles, clamps, height safety and man riding equipment.

Tadano AT recall

The Australian Competition and Consumer Commission (ACCC) issued a recall notice for a total of seven Tadano All Terrain cranes over a braking issue affecting four different models - the ATF40G-2, ATF70G-4, ATF130G-5 and ATF400G-6. It found that a possible air hose fault could affect the crane's braking. The seven cranes were sold in New South Wales, Victoria and Western Australia. Tadano Australia has contacted the original owners and will install a retrofit solution to the problem.



Klubb moves into Belgium and Netherlands

French van mounted lift manufacturer Klubb has appointed new distributors in the Benelux region. Kraan & Truck Service (KTS) will handle the Netherlands while Maes will cover Dutch speaking Flanders in Belgium, and Mondia the French speaking area of Wallonia. KTS has already sold its first units - a 14 metre K38P and a 12 metre K32 - to street infrastructure company VSVK Infra Techniek.

In Belgium Maes and Mondia are likely to add units to their rental fleets as well as sell and support them. Klubb president Julien Bourrellis said: "The difference of language and culture between the two regions in Belgium has led us to select two partners that are well established in their local markets."



(L-R) Jan van Den Berg of KTS, Sander van Schie of VSVK, Julien Bourrellis of Klubb, Peter van Kester of VSVK, and Henri Bourrellis of Klubb

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Tat Hong drops 13 percent ...

Singapore-based crane group Tat Hong saw full year revenues fall 13 percent to \$528 million. Mobile Crane rental fell 21 percent to \$188.5 million, while Tower Crane rental slipped three percent. General rental fell 21 percent to \$44.4 million, and distribution eight percent to \$201.8 million. The company recorded a pre-tax loss of \$37.9 million compared to a profit last year of \$18.3 million.



...And abandons tower crane float

Tat Hong also dropped plans to list its Chinese tower crane rental business on the Taiwan stock exchange, citing weak and volatile equity markets as not conducive for a listing and that any valuation would be unlikely to reflect its value.

Rental software merger

US-based Point of Rental and UK-based Syrinx/Higher Concept Software have announced a merger which will create one of the world's largest rental software providers. Point of Rental serves 2,700 customer locations in 33 countries, while Syrinx software is used by 2,000 customers across 10 countries. Higher Concept will continue to operate in the UK under managing director Mark Goodrum while in Australia, where both companies have offices, the Syrinx team will adopt Point of Rental Software branding.



A-Plant acquires Lion Trackhire

A-Plant has acquired Lion Trackhire from the Springthorpe and Robinson families. Lion Trackhire was established by John Robinson to commercialise the aluminium trackway systems he had developed since 1965. The company has locations in the UK, France and Germany, with revenues in 2015 of £15.4 million, and pre-tax profits of £3 million. A-Plant acquired Eve Trackway in 2013.



...And Sunbelt gets cooler

In the USA Ashtead's Sunbelt Rentals has acquired the assets of Portable Rental Solutions which provides portable cooling, heating, dehumidifiers and filtration systems in Dallas/Fort Worth, Houston, San Antonio, Austin and Central Texas.

TVH acquires glass supplier

TVH has acquired GDI group, the French supplier of replacement glass for tractor/equipment cabs. GDI was established in 1982 and acquired UK-based CAB Parts in 2010 and German company Glassinter in 2015.



Tanfield posts 2015 results

Tanfield, the owner of a 49 percent stake in Snorkel has written off its holding in Smith Electric Vehicles and published its 2015 results. Revenues were limited to £1,000 in interest income, against £54,000 in interest payments and a £618,000 positive accounting adjustment to staff costs, operating expenses were £268,000. The company retained the valuation of its Snorkel holding at £36.3 million.



Yanmar acquires Terex Schaeff

Yanmar has acquired the Terex compact construction equipment division in Germany for \$60 million. The business produces Terex wheel loaders, mini and mid-range excavators and wheeled excavators, it was acquired by Terex in 2001. The Schaeff plant in Crailsheim, Germany and parts distribution centre in Rothenberg, Germany are included in the transaction.

Record revenues for Liebherr

Liebherr revenues increased 4.7 percent to €9.24 billion in 2015, a new record. However pre-tax profits declined 13 percent to €434 million, due to higher finance costs. The company expects similar revenues for 2016. Mobile crane revenues increased 8.4 percent to €2.16 billion, thanks to higher sales in Western Europe particularly the UK and Netherlands. Liebherr claims its share of the All Terrain market now exceeds 50 percent, with four and five axle cranes the best sellers in 2015.



Tower crane revenues improved 6.3 percent to €440 million, with strong sales in the Netherlands, Belgium and Switzerland. Sales of top slewers and mobile self-erectors were stronger while regular self-erectors declined. The Maritime crane business declined by 2.4 percent to €964 million, in spite of strong improvements in the UK, Netherlands and Spain.

Another profit jump for Ashtead

Ashtead, owner of A-Plant in the UK and Sunbelt Rentals in the USA increased revenues by 19 percent to £2.55 billion for the year to the end of March. Pre-tax profits were up 24 percent to £616.7 million. Sunbelt revenues jumped 20 percent to \$3.28 billion with operating profits rising 21 percent, A-Plant revenues increased 13 percent to £364 million, while operating profits were 45 percent higher at £67 million.

UK Forks up 10 percent

Revenues at Vp, owner of UK Forks, increased 1.5 percent to £208.7 million for the year to the end of March with declines at Airpac Bukom and TPA offsetting increases at UK Forks, Hire Station and Torrent Trackside. Pre-tax profits increased 10 percent to £27.5 million. UK Forks revenues were up 10 percent to £20 million, while operating profits jumped 30 percent to £5.2 million. Higher Access joined the business just before year end. Hire Station revenues improved seven percent to £82.5 million, while operating profits increased 32 percent to £11.5 million.



Camso acquires Eurowheel

Tyre and wheel manufacturer Camso - formerly Camoplast Solideal - has acquired Belgian tyre and wheel manufacturer Eurowheel, including its production facility in Northern Belgium, tooling and inventory etc... while retaining all Eurowheel employees.



For the full reports on all these stories check out Vertikal.net

New overload system for Terex Hi-Rangers

Terex Utilities has launched a new optional 'Load Alert' system on some of its Hi-Ranger aerial devices. The new system provides both visible and audible alarms to notify operators and ground crew if a platform or material handling jib capacity has been exceeded.

The new system monitors the actual loads on the jib, in the platform or on the winch line, as well as the winch line's distance from the platform's pivot point and boom positions. Buyers can also opt to receive wireless notifications via text or email of any overload events, so that the equipment can be monitored and managed from a distance.



The new Terex Load Alert screen



Fourth acquisition for REIC

US-based Rental Equipment Investment Corp. has acquired Pro Rental & Sales of Idaho, which operates from eight branches in Idaho, four in Montana and one in Oregon. Rental Equipment Investment was set up by Kevin Fitzgerald, a former chief executive of Neff Rentals and Wessex Capital Partners in 2014. It acquired Midway Rental of Kalispell, Montana and its four locations in January 2015.



Damen upgrades windfarm crane

Damen Ship repair of Amsterdam has upgraded the Sea Installer offshore wind farm lifting vessel. After removing and replacing all crane related equipment from the ship Damen installed a new A-frame and lengthened the boom with an extension of high tensile S690 steel. The upgraded crane can handle up to 700 tonnes with the extended boom or 900 tonnes with the extension removed.

Installing the larger crane resulted in numerous implications on the existing on-board structures. The boom rest had to be replaced, which in turn necessitated additional modifications to the accommodation area. In order to house the main hook and auxiliary hook in both long and short mode, a 900 tonne capacity winch was also installed, requiring changes to the electrical, hydraulic and cooling systems.



The upgraded Sea Installer crane can handle up to 900 tonnes



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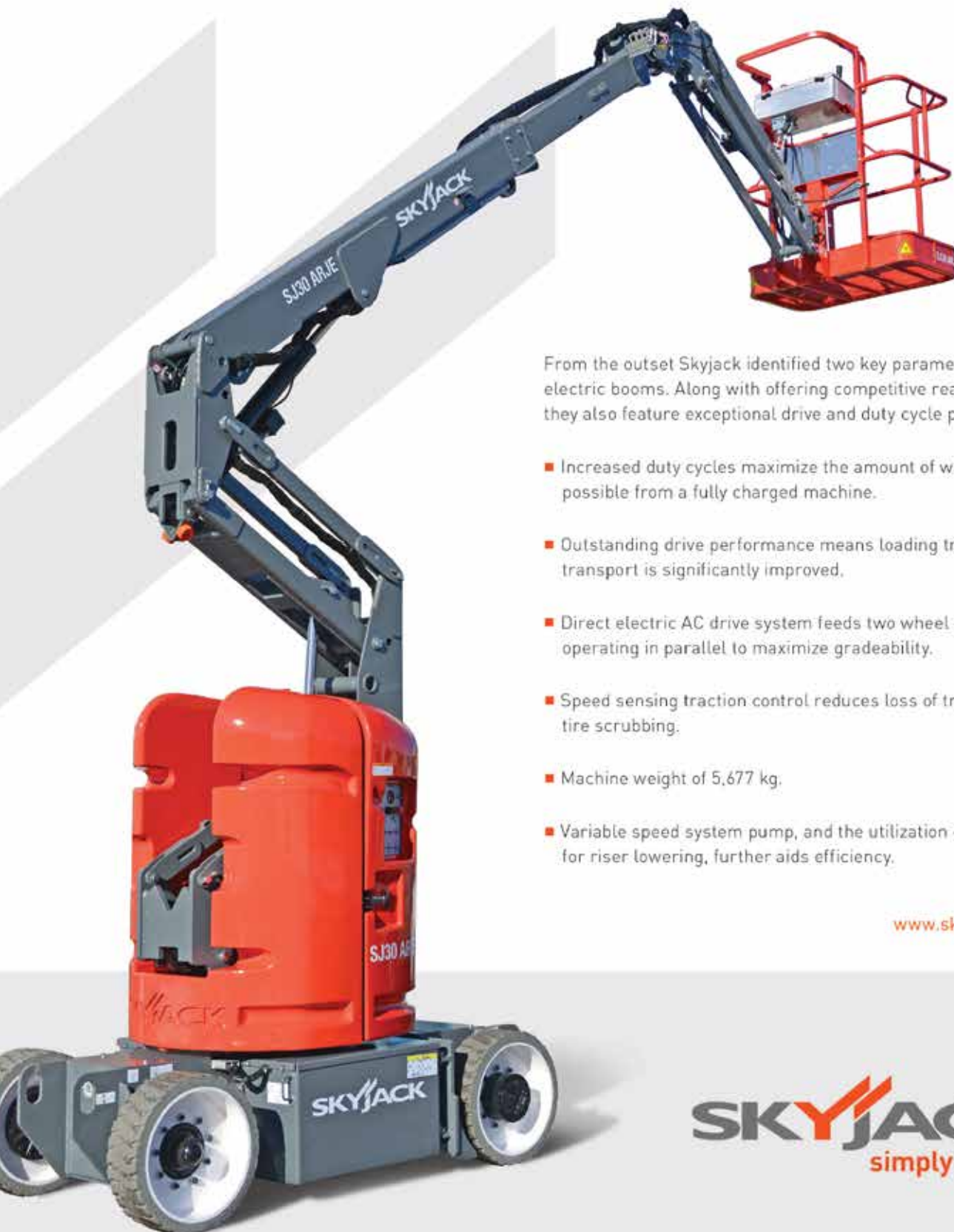
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- **Cargotec** has appointed **Hanna-Maria Heikkinen** as vice president investor relations.
- **Hertz Equipment Rental** is now **Herc Rentals** a separate, publicly quoted company.
- **Ramirent** has agreed a multi-year partnership agreement for **YIT's** Tripla project.
- Tower crane operator **Paul Ingleton** was found dead in Surrey after he went missing in early July.
- Van mounted lift manufacturer **Klubb** has appointed **Maes** and **Mondia** as distributors for Belgium.
- **Ashtead** has announced the appointment of **Tanya Fratto** as a non-executive director.
- UK rental company **Southern Cranes & Access** has taken delivery of three new **Liebherr** All Terrain cranes.
- Belgian airline **Jetairfly** has taken delivery of a 24 metre **Versalift VTX-240** truck mounted lift.
- US-based **W. O. Grubb Crane Rental** has taken delivery of a 750 tonne **Liebherr LR 1750/2**.
- UK rental company **Quick Reach** has purchased a number of 60ft **Genie Z-60/37FE** hybrid articulated booms.
- **Richard Tindale** has resigned as director of sales & marketing at **Redwood Engineering**, owner of **Ascendant**.
- UK rental & cleaning company **Spot Hire Services** has taken a new **Dinolift 220XTC** spider lift.
- **Hiab** has appointed **Mulitco** as its exclusive distributor in Singapore and Malaysia.
- The owner of **Raimondi** cranes - **KBW** - has formed a partnership with Greek consulting engineer **Salfo & Associates**.
- New Zealand's Port of **Tauranga** has taken delivery of eight **Kalmar** diesel-electric straddle carriers.
- **Snorkel UK** has appointed **Chris Bennett** as sales manager North West, **Alistair Jordan** as sales manager North East England and Scotland and **Joseph Whitton** as sales manager, Yorkshire-Humberside.
- **Niftylift** employees supported the UK's new 'Armed Forces Day'.
- **BigLift** has purchased its third **Happy S**-type vessel with two 900 tonne cranes.
- **Isoli** and **LiuGong** have held a major training meeting to kick off their co-operation in China.
- **Kran-Mitterhauser** has taken delivery of a new 300 tonne **Grove GMK6300L All Terrain** crane.
- **Acme Lift** of the US, has appointed **Gordon Campbell** as director financial planning and analysis.
- **Christopher J. Dawe** retired long-time export manager for **Linden Comansa** has died.
- **Rope & Sling Specialists** has opened a new facility in Hayes, near Heathrow Airport, London.
- **John Sutch Cranes** has appointed **Hayley Sutch** as managing director - designate - and opened a third depot.
- **Associated British Ports** (ABP) has purchased two new electric **Terex** Gottwald portal harbour cranes.
- **Haulotte America** has appointed **Steve Watts** as vice president of sales, he joins from **Snorkel**.
- **Swarco** has taken delivery of a **Penny Hydraulics PH270L** telescopic crane.



Hanna-Maria Heikkinen



Tanya Fratto



Richard Tindale



Joseph Whitton



Gordon Campbell



Steve Watts

- **Palfinger Platforms** has appointed **RealMachinery** as its distributor in Finland expanding its service network.
- **Graham Heasman**, UK-based training manager for **JLG** has died, he was 62.
- **Dinolift** has delivered the first unit of its **220XSE** with jacks to Swiss construction and logistics company **Christen**.
- German crane rental company **Franz Bracht** has taken delivery of its third **Liebherr LTM 1160-5.2** in six months.
- Dutch cleaning and aerial lift rental company **Siesling** has taken delivery of its fourth new 63m **Ruthmann T630**.
- **Guay** has taken delivery of a 73 tonne **Terex Crossover 8000** truck crane on a commercial chassis.
- **Crane Services** has taken delivery of a new 50 tonne **National Crane NBT55** truck crane.
- **2Rent** has taken delivery of a 20.5 metre **Co.Me.t 211219** articulated platform on a tracked carrier.
- **Talbert**, the transport and crane boom trailer manufacturer has promoted **Jim Hall** and **Jamie Myers** to VPs.
- **Stornaway Port Authority** in Scotland's Outer Hebrides has taken delivery of a new **Magni RTH 5.21** telehandler.
- **N&A James** has taken delivery of a new 130 tonne **Tadano ATF130G-5 All Terrain** crane.
- **Stoddart Crane Hire** has taken delivery of a new 100 tonne **Terex AC 100/4L All Terrain** crane.
- **Ramirent** has signed a five year deal with **Skanska Maskin** which will acquire **Rami's** larger tower cranes in Sweden.
- UK rental company **Quick Reach** has appointed **Arthur Donnelly** to develop its presence in Scotland.
- UK crane rental company **Steve Foster** has purchased three **Tadano All Terrain** cranes from 40 to 130t.
- A team from rental group **Riwal** has raised €60,000 in the 2016 **Alpes d'HuZes** event.
- **Versalift UK** has upgraded its range of **Eurotel ETL** and **ETM** van mounted platforms.
- **Davies crane hire** of the UK has taken delivery of a new **Tadano ATF 220G-5 All Terrain** crane.
- **Peter Wildemann** has taken over as managing director of **Manitow Deutschland** on the retirement of **Dieter Finke**.
- UK-based rental company **Advanced Access** has placed a £1.4 million order for **Skyjack** aerial lifts.
- **Hertz Equipment Rental** now **Herc Rental** has three directors associated with **Carl Icahn** on its board.
- **Ameco Chile** has taken delivery of a new 400 tonne **Grove GMK6400 All Terrain** crane.
- **Kran Saller** has taken delivery of a new 2.82 tonne **Maeda MC285-2** spider crane, the first of three.
- UK-based **City Lifting** has taken delivery its first **Böcker AK 46/6000** truck mounted crane.
- **Cargotec** has promoted **Antti Kaunonen**, senior vice president, Automation and Project division to president.
- **Kranentreprenøren** has taken delivery of four new **Unic** spider cranes.



Graham Heasman



Jim Hall



Jamie Myers



Arthur Donnelly



Peter Wildemann



Antti Kaunonen

- **Schmidbauer** has taken delivery of a new 650 tonne **Terex Superlift 3800** lattice crawler crane.
- **Balmer** has purchased a new 180 tonne **Liebherr LTM 1160-5.2** - it's first mobile crane.
- UK rental company **Hewden** has appointed **Patrick Jelly** as sales and marketing director.
- **AFI** has launched a full range of familiarisation videos covering all the machines in its fleet.
- **Bayernlift** has taken delivery of the first 20 metre **Magni TH6.20** telehandler in Germany.
- Belgian port operator **Katoen Natie** has taken delivery of a **Liebherr LRS 545** reachstacker.
- **IronPlanet** has appointed **David Shouesmith** as MD of its European government business.
- UK access equipment distributor **SkyKing** has promoted **Joe Collier** as sales coordinator.
- German rental company **Siegl** has ordered 12 **Snorkel** lifts including the new **S3215E/S3220E** scissors.
- US-based **Michael Bigg** has taken delivery of a new 73 tonne **Terex T780** truck crane.
- **PSR**, a division of **IAPS**, has launched a new fleet maintenance support programme.
- **Gordon Sparrow**, the last of the three Sparrow brothers, has died age 82.
- **Zarges** has launched a new range of indoor/outdoor step-type work platforms.
- **Skyjack** has appointed sales and rental company **Multicrane Perkasa** as its exclusive distributor for Indonesia.
- **AJ Access Platforms** has appointed **Vicki Allen** as its new UK sales manager.
- Several major lenders to Australia's largest rental company **Coates Hire** have flooded their loans.
- **MBS Access** has taken delivery of the UK's first 22 metre **Bluelift SA22** Lithium Hybrid spider lift.
- **Nordwest Lift** has purchased 30 new **Haulotte** telescopic and articulated boom lifts.
- **Haulotte's** Russian subsidiary has officially opened its new headquarters on the western edge of Moscow.
- **Béatrice Saubot**, wife of **Pierre Saubot** of **Haulotte** has died aged 72.
- US **Point of Rental** and UK-based **Syrinx/Higher Concept Software** have announced a merger.
- **Bernard Hunter** has taken delivery of the first six axle **Spierings SK 1265-AT6** in Scotland.
- Spanish crane rental company **Eurogrúas** has ordered 58 **Genie** aerial lifts for its operation in Morocco.
- **Cramo** has appointed **Petra Schedin Stergel** and **Mattias Rådström** as senior vice presidents.



Patrick Jelly



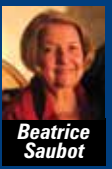
Joe Collier



Gordon Sparrow



Vicki Allen



Béatrice Saubot



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Renewed focus on City cranes?

When Kato Cranes pulled out of Europe around 13 years ago it left a particular gap in the small City-type nose down All Terrain crane market. Surprisingly that gap has only just been filled...by Kato Cranes re-entering the market with a new range of European compliant cranes between 13 and 35 tonnes. Mark Darwin takes a look at the market and catches up with Colin Cleary, managing director of European distributor Rivertek and Kato general manager Hiroshi Ide to find out more.

Japan has always been obsessed with the small and compact - take bonsai for example. Its infatuation with compact equipment however is a result of necessity, due to the lack of space. This led to the production of the first compact or City cranes in the late 1980s - the seven tonne Kobelco RK70M - initially labelled as a high-speed Rough Terrain crane. The machine introduced many features that still distinguish the breed - a single cab for both road and job site, multi-section 'drop-nose' boom for greater driver visibility while lowering the centre of gravity for improved roadability. While the Japanese developed and refined this product type, it can be argued that PPM was the first with the idea, with its 14 tonne 14:07 ATT high speed Rough Terrain, which it launched in 1974.

Within a year, Tadano had entered the sector with its eight tonne TR80M, followed by Kato with its

10 tonne MR-1000 along with a seven tonne variant. These new models blended speed and boom length with compact dimensions. To overcome excessive boom bounce when travelling at speed, boom overhang had to be kept to a minimum thus using more boom sections for a given height. This also had the benefit of making the crane shorter, resulting in increased manoeuvrability in tight areas and also made it ideal when lifting in limited headroom environments.

The concept didn't arrive in Europe until 1992 when Swiss-based Compact Truck - established by Franz Lutz - introduced the 35 tonne CT-2 city crane with hydrostatic drive and a boom length and road speed to compete with conventional All Terrain cranes. Back in Japan Komatsu joined the fray with an eight tonne model.

In the 1990s the Japanese market for larger capacity cranes switched from truck to All Terrain and in 1992 Tadano - in co-operation with its newly-acquired German business Faun - produced its first All Terrain. It also continued to develop its

The first compact or City cranes in the late 1980s such as the Kobelco RK70M were initially labelled as high-speed Rough Terrain cranes.



The concept arrived in Europe in 1992 with the 35 tonne Swiss-based Compact Truck CT-2



The PPM ATTs were the first City type cranes.

RT cranes and in 1995 introduced the Crevo - the name derived from Crane and Evolution - City-type crane. Early models had capacities of 10 and 20 tonnes, followed by a 50 tonner and then the 35 tonne

Crevo 350 with improved roadability arriving in Europe at the end of the 1990s. This came a few years after Kato's popular CR250, which sold around 80 units from 1997 to 2000.

The first major European manufacturer to enter the market was Mannesmann Demag, with its 25 tonne AC75 in 1996, further popularising the concept. For many years Terex-Demag was the only major crane manufacturer with a range of City cranes - the AC30, AC40, AC55 and AC75 - although Liebherr did introduce its industrial-



Kato's popular CR250 sold well at the end of the 1990's

type hydrostatic drive LTC1055-3.1 and in 2009 Grove launched the Kobelco-built 45 tonne GCK3045 City crane with six section 34 metre boom with heavy-duty bi-fold swingaway jib. It would appear however that most of the major manufacturers thought that there was a limited market for such 'City' cranes.

As engine legislation began to make things difficult the Japanese manufacturers stopped exporting truck and City-type cranes to Europe just as Terex began to phase out its models. This left a void and pent-up demand for the smaller City cranes. Some companies looked to source machines through 'grey imports' with others refurbishing older machines. That has all changed with Kato introducing its all-new three model, European City crane range available in the UK and Ireland from its official dealer Rivertek Services. The situation may get even better as Terex has said that it is looking at launching new Demag City class cranes - with the first unit likely to be a 45 tonne AC45? - in the not too distant future.

Kato returns to Europe

Kato ceased exporting and selling cranes into the European market due to the challenges of complying with European engine emission regulations and the knowledge that they would become increasingly challenging as the bar was raised every few years. This and issues with the suppliers of its truck crane chassis. However with the faltering domestic market the company needed to find new areas of demand for its cranes. Where better than Europe - and in particularly the UK and Ireland - where it enjoyed such success over a decade before? Japan still makes up the majority of its sales but exports of its City

cranes are picking up in countries such as Australia, New Zealand, Malaysia and Singapore. Kato said it is looking to export a minimum of 50 City cranes a year to repay development costs etc.



In 2009 Grove launched the Kobelco-built 45 tonne GCK3045 City crane with six section 34 metre boom



Colin Cleary, managing director of European distributor Rivertek (R) and Kato general manager Hiroshi Ide

"Many Asian countries prefer simple or truck mounted cranes however Europeans want more compact and sophisticated cranes," said Ide. "The Japanese market cannot grow much in the future so we have to find new demand to balance our production. If we can market these City cranes in Europe we can address the balance."

Cork, Ireland-based Rivertek Services is the largest crane dealer in the country. Part of the JCD group with revenues of €42.5 million in 2014 it sells used cranes as well as representing IHI crawler cranes and Mitas crane tyres. It has a significant presence in the UK which takes more than 70 percent of its sales - no surprise really given the dire economic state of Ireland for the past seven or eight years. It is also in the process of opening a new depot in the UK near Cannock which will house its sales, service and support for cranes.

"The CR series of machines are

brand new, designed specifically for the European market," says Ide. "Kato has been manufacturing for 130 years and over the past five years we have been the number one crane manufacturer in Japan. We have been in discussions with Rivertek for nearly 10 years and work has been carried out to design and develop this new range for the European market with variations to the machines sold in Japan, as it must include a Safe Load Indicator,

data logging, European specification hoist ropes and engines as well as additional safety requirements."

"We are very happy with the initial sales to UK companies," adds Cleary. "Many still love the brand, having previously run Kato cranes over many years. Residual values are excellent with many able to sell them at the same price they bought them. We had one owner-operator customer who purchased his first Kato - a 25 tonner - 13 years ago for €95,000. He sold it last year to the Middle East to make way for a new model, getting the same price he bought it at."

"It is a niche market and there isn't a huge volume, but we think we are filling the gap with a nice range of cranes from 13 to 35 tonnes - below the capacity of other manufacturers. Rivertek was initially appointed for the Irish market with the ability to sell into the UK market if we can provide 'proper' customer support, which is why we are opening a new



The smallest crane in the range, the CR-130Ri, has a gross vehicle weight of just under 14 tonnes and is powered by a Stage IIIB Mitsubishi engine



The Terex-Demag AC30 was the smallest in its model range



New Kato cranes in stock at distributor Rivertek



The cab of one of the new Kato city cranes

depot near Cannock, Staffordshire.”

“As well as the new depot which will have service, spare parts and a stock of new cranes, we have been supplying used cranes into the UK and Ireland for 25 years. We would like to think we have built up a good reputation with a lot of customers over that time, treating them the same way that we would like to be treated ourselves - that is very important to us.”

One possible problem with the cranes is that the 35 tonner weighs in with 14 tonnes axle loadings - too heavy for most European countries. The original engine emissions problem has been solved by fitting Stage IIIB Mitsubishi and Cummins engines. Kato has said that these machines will be available for about three years while it develops another range of cranes for the whole European market.”

The smallest crane in the range, the CR-130Ri, has a gross vehicle weight of just under 14 tonnes - less than seven tonnes an axle and is powered by a Stage IIIB Mitsubishi engine. The CR200 is also under 10 tonnes an axle and the crane weighs just under 20 tonnes. The CR350 however weighs in at just over 28 tonnes - 14 tonnes an axle which is ok in the UK and Ireland but not the rest of Europe.

Rivertek started selling the new Kato's almost a year ago and has so far delivered more than 20 units. Customers include Reeds Bray Cranes, City Lifting, NMT, Aba Cranes and John Sutch Crane Hire. John Sutch was the first company in the UK to buy the 20 tonne CR-200Ri and just before Vertical Days added a 35 tonne CR-350Ri.

“Rental returns on the small AT

Kato models

Model	CR-130Ri	CR-200Ri	CR-350Ri
Maximum capacity	13 tonnes	20 tonnes	35 tonnes
Maximum boom length	24m	28m	32.5m
Jib length	3.6 to 5.5 m	4.0 to 5.8m	6.5 to 14m
Maximum tip height	31.5m	36.6m	49.1m
Engine	Mitsubishi IIIB	Cummins IIIB	Mitsubishi IIIB

cranes simply do not add up, given their high prices. However rental companies are surprised that the CR-130 can earn between £480 and £500 a day, compared to £400 to £420 for a 40 tonne AT. However, the Kato is also about 40 percent cheaper to buy,” says Cleary. “The CR-350 has an overall length of 9.76 metres, while the CR-130 is 7.4 metres and can often carry out normal 40 tonne AT work but is also very useful for working in tight situations or inside a building thanks to its compact dimensions. All three cranes have hydraulic telescopic offsetting jibs, and all but the CR-130 are hydraulically extendible, even under full load.”

Cleary also claims that the new design CR-200 has an industry leading 28 metre boom, which is the longest on any 20 tonne crane - although there are not that many to compare it with! Kato sells a 16 tonne crane in Japan, but it lacks a hydraulic jib or the new round profile boom.

“The main features customers like are the compact size of each crane, combined with the long main boom. These are quality machines, made to an extremely high standard, with good life expectancy and a good resale value. They tick a lot of boxes when buying a new crane.

I don't like the term 'grey imports' - Rivertek has a technical team and every machine we have placed on the market over the past 25 years was converted to a very high standard. Other companies may place cranes from outside Europe without any modifications or technical work - these I would call grey imports, in our opinion there is a difference.”

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Rivertek also sells a lot of used Liebherr, Grove and Tadano AT cranes which are sourced from all over Europe.

"We have full workshop facilities to carry out painting and refurbishment at our head office in Cork, so have the facility to take trade-ins and give the customer a decent price. This side of the business makes up about 60 to 70 percent of the business with the growth of new Kato sales.

"We will keep these three models for at least the next three years but then hope to introduce other models. Looking at the market research these will probably fall within the existing 13 to 35 tonne capacities," adds Ide. "We have an extensive range of RTs and ATs for the domestic market and we are thinking about producing another range of cranes for export. It all

depends on market demand. The economy in Japan means that we will need to increase our crane exports in the future. The crane market is very specialised with different regulations for different countries. So far we have focussed on Asia, the next market is the Middle East and Europe. If we want to expand we will need European All Terrain cranes."

Interesting concept?

Something slightly different from Tadano Faun is the new ATF 60G-3. While not a City crane, the three axle 60 tonner has several interesting features. It has a 48 metre main boom and can comply with 10 or 12 tonne axle loads which Tadano says is possible because of the new 'revolutionary' drive concept which puts the engine and gearbox not in the carrier but



in the rear of the superstructure which allows the carrier to be more rigid and lighter with the drive components working like an additional counterweight.

The design also includes a compact boom giving an overall length of 11.18 metres. Width is 2.66 metres and height 3.68 metres. As a comparison, Liebherr's latest 60 tonner the LTM 1060-3.1 has a length just a touch longer at 11.53 metres, height of 3.75 metres and slightly narrow width of 2.55 metres as well as a 48 metre boom and 63 metre maximum hoist height (more than the Tadano's 58.4 metres).

The second cab is positioned more forward than the more conventional layout cranes such as the Liebherr. Tadano says benefits when travelling on the road include

reduced noise in the cab as the engine is further away from the carrier cab. During crane operation the engine and exhaust are always behind the superstructure cab making a more pleasant environment. An interesting concept but whether the benefits are enough to attract buyers remains to be seen.



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The City specialist

For many years C&A has been highlighting the lack of return on investment for small All Terrain cranes up to 40 tonnes capacity. Relatively high purchase prices and low rental rates make these cranes some of the most unprofitable units in the fleet. Surprisingly older smaller cranes up to 25 tonnes such as the Iron Fairy and Kato City cranes often command premium rates, reflecting the growing and profitable niche for this particular type of crane. Mark Darwin went to the North East of England to chat with Peter Bray of Reeds Bray Cranes.

One company which specialises in small AT and City-type cranes is Gateshead-based Reeds Bray Cranes which claims to be the oldest crane rental company in the North East. Established in the early 1950's by 'Mr Reed' as he was known, Reeds Cranes and Plant grew by using ex-army equipment ranging from cranes to generators. The company was well-known in the region and in its heyday operated from four depots and employed around 250. The company tended to attract and retain older cranes and over the years the depots increasingly looked like scrapyards than crane rental facilities.

In the 1990s the company was purchased by a larger North East company O' Donnell Bros, which was more interested in the land than the cranes. After keeping the business ticking over for several years, in 2001 it took on ex-Baldwins employee Peter Bray to run this side of the business.

"The company didn't have the best reputation at that time but I took



Peter Bray of Reeds Bray Cranes

a chance," says Bray. After a few years John O'Donnell decided to sell the cranes, and although other companies enquired he sold it to Bray in 2004 for a 'good price'. In those days its 80 tonne Krupp All Terrain had more than enough capacity to satisfy the needs of its extensive customer-base in the North East. Other cranes in the fleet included a 25 tonne Krupp, 25 tonne PPM, 35 tonne PPM and an Iron Fairy.

"All the cranes were old and not the



Bray has a full set of new Kato City cranes

best maintained," he said. "Reeds cranes were known for the clouds of black smoke from the exhaust and for dropping oil - but they were a start and the company had an excellent customer base across many different sectors. And with the name being so well known in the area we kept it hence the name Reeds Bray Cranes."

"Operating a fleet of small capacity City/AT cranes is not easy, and it took time to upgrade the fleet. We could not afford new cranes but added newer, better quality models when we needed to replace. The first to go was the Krupp 25, and the PPMs, adding a younger 30 tonne Tadano. We also purchased two 25

tonne Kato CR250 and these proved very popular as there weren't many about and customers particularly liked its twin hooks. The only other similar cranes around at that time were the Demag City cranes but I was never very impressed. The Kato had better features for our requirements, even though it was limited to 30 mph on the road, but we always worked locally so that wasn't a problem."

The 80 tonne Krupp was replaced by an 80 tonne Liebherr but when it came up for replacement he was in a dilemma, thinking that a 100 tonner would be the way to go, but was undecided between four or five axles. In the end he opted for a 130



Established in the early 1950's Reeds Bray Cranes claims to be the oldest crane rental company in the North East



Bray has both 30 and 40 tonne ATs

tonne Liebherr, as it gave the best of both worlds - five axles with a long boom and extra ballast option if needed. The crane is often used as a 100 tonner but has that extra capacity when required.

The LTM 1130-5.1 is currently the largest capacity crane in the 11 strong fleet which also includes a 60 tonne ATF60-3 Tadano, a 55 tonne Liebherr LTM 1055-3.2, a Terex AC55, one Liebherr 40 tonner and two Liebherr 30 tonners and an older 22 tonne Kato KR22-H2. And just a few months ago the company added a full set of three new Kato City cranes including the 13 tonne CR-130RI, the 20 tonne CR-200RI and the 35 tonne CR-350RI - its first ever new city cranes. "When I took over I thought a fleet of 10 was optimum - we currently have 11 - however I do like the look of the Liebherr LTC 1045 and may add one of those at some point."

"It has taken about three or four replacement cycles to get to the point of looking at new cranes," he said. "The purchase price coupled with weak rental rates means there is not a lot of room to reinvest in equipment. The Kato's are a good price but more importantly they are very reliable and just need the regular maintenance. Over the 12 years since taking over the business we have built up a reputation for quality cranes and a good service, but I won't reduce rates to uneconomic levels."

"Rental rates are still low - for example I would say that the current day crane rate should be at least a £100 more - but by careful management of overheads, including minimal office staff we are now in a position to look at adding more modern cranes to the fleet. Our best cranes for return on investment are the 55/60 tonners however if I was to buy another



The company was well-known in the region and in its heyday operated from four depots and employed around 250 staff

crane today it would be the 13 tonne Kato City which can still lift 500kg at 20 metres, more than enough for jobs such as roof trusses etc. The Kato's also have five variable outrigger points and can still slew within its width even when short rigged."

The company also benefits from a loyal workforce with very little staff turnover which helps with building relationships, and often results in customers asking for a specific crane and driver. Over the years the company has increasingly focused on Liebherr All Terrains and Kato City cranes.

"I am quite happy with buying used cranes from Liebherr, as the equipment is fully checked and like new," he said. "At the end of last year we added a used Liebherr 40 tonner and they assigned a fitter for six weeks to sort out any problems - the end result was it is like a new crane."

Buying a selling cranes is a funny business and can throw up a few surprises. "About eight years ago I purchased a 25 tonne XCMG 25 truck crane with 38 metre boom, it was the best crane I had ever had but other crane guys said it



Newly added tackle boxes

would be a waste of money and have no residual value when sold. But it never broke down only going through a few clutches as it had a manual gearbox. I saved £100,000 on the initial purchase price compared to mainstream marques and got half of my money back when I sold it at the end of last year. Although it was a great crane I don't want any more truck mounts because of their size, the compact Kato City cranes are ideal for general site work, not taking up much space on a site."

"Normally we try and only use fly jibs when two people are available - I think it is unsafe for one person to install them. However, the Kato cranes have a fly jib that can be erected safely by one person and all have hydraulic luffing and on the 35

tonner it extends hydraulically. It is also underslung so easier to erect in tight situations."

"We rarely get asked for pick & carry cranes, however the Kato's do have a pick & carry capability. The CR 350RI for example has a maximum pick & carry capacity of 9.5 tonnes at three metres. It can also handle half a tonne at 13 metres with a travel speed of two kilometres. Several companies in this area previously went for the Franna articulated crane if they needed this feature."

But has much changed with the smaller cranes over the years?

"The basics are still the same, but they now include features such as touch screens rather than buttons. One thing the Kato cranes do not have at the moment is tackle boxes. To fit them we have had to relocate the outrigger pads storage from the front of the crane to the rear in a specially designed carrier fabricated by ourselves so that there is space for the box at the front and although aluminium outrigger mats looked nice we replaced them with Nylacast plastics to reduce weight. But overall the Kato's are a well thought out cranes with excellent features, reliable and good resale values. What more could you wish for in a small capacity City crane."



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Access all hours

Selecting the correct access equipment for use in industrial and institutional applications can be challenging as it can be used for such a wide range of duties from maintenance, cleaning to major repair work and plant layout changes. We take a look at the problems of choosing the best equipment for the task, which can make it easier, safer and often a great deal more efficient.

Traditional factory shutdown/vacation maintenance work is gradually becoming a thing of the past as planned maintenance, improvement and renewals work is increasingly carried out during work hours or when not possible overnight during the working week. However more significant changes that involve greater disruption do tend to get left to this time of year or at year end, during major plant shut-down periods. This usually involves working to a deadline, so safer more efficient equipment is more critical than ever.

Access equipment manufacturers have developed and expanded their product ranges, improving performance and availability with products now available to suit almost any pocket and any application. In spite of this there are still far too many companies using inappropriate, damaged and dangerous equipment, while thousands of companies remain oblivious to the benefits of powered access! Most major construction

sites are now tuned into using modern access equipment, whether powered or modern scaffold and staging products, yet as with smaller builders, many industrial or commercial facilities try to get by and make do, and yet it is just not worth taking the risk. In domestic situations the use of proper access equipment is even lower to non-existent.

For those production facilities, warehouses and other permanent work facilities, where planned maintenance regimes are not in place, work at height tends to be unplanned and therefore safe efficient access equipment rare, resulting in plentiful examples for the 'Death Wish' series on Vertikal.net.

Selecting the right platform

But if you are the general manager of such a facility how do you go about selecting the right equipment for the various needs that are thrown up during a typical year? A good deal depends on the specific tasks that need to be carried out,



The new Farone Elevah-40X

how often they need doing and whether you do work with your own staff, or employ a specialist subcontractor. The financial aspect will of course depend on the equipment you are looking at - a step ladder will be quite a different proposition to say a large boom lift.

If you looking for access equipment to carry out regular work at height, involving essentially the same job such as regular routine cleaning, then it will be worthwhile considering buying the equipment. For low level work - say up to four metres which is fairly typical for many small industrial units, offices, showrooms and retail outlets - then there is an incredibly wide choice running from large step ladders - some topped with a work platform - to a self-propelled scissor/mast lift, or at the top end, a mast boom.

Ladders require training

Step ladders, mobile stairs and small mobile scaffold towers still have a very useful and important role to play in low level work at height, particularly as they as they are relatively cheap to purchase and maintenance requirements are negligible. However that does not mean that they can be neglected. They should be inspected regularly and the people using them must be trained on how to use them properly. The down side is that they need to be carried to the work place, set-up properly and require the user to climb - with tools, cleaning equipment or boxes etc - all of which can lead to a trip or fall hazard.

No climbing

A self-propelled lift of this height is far more user-friendly often

featuring a low step-in height, while eliminating the climbing aspect. It can drive to the work area with tools and cleaning equipment on board and then be elevated to the optimum position to carry out the work at hand. If the work involves frequent repositioning, then the efficiency gains offered by a self-propelled machine may well lead to a decent payback on the extra cost involved.

The choice of machines with a working height less than 5.5 metres is now substantial and includes low level models such as the Power Tower Nano SP with its 4.5 metre working height and deck extensions of up to a metre, for working over obstacles. Similar models are available from Faraone of Italy which specialises in the industrial and institutional market below 10 metres and others.



Plan your work at height or you could end up with a 'Death Wish'



Step ladders, mobile stairs and small mobile scaffold towers still have a very useful and important role to play in low level work at height.



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In order to raise the Elevah 40X the operator uses a hand held drill

Mechanical Faraone 40X

Faraone has launched a new version of its four metre working height Elevah at Vertikal Days, the Elevah 40X, a 100 percent mechanical, push-around platform that doesn't use a motor or battery although it does have a sealed closed circuit hydraulic system. In order to raise the platform the operator uses a hand held drill to drive a platform mounted pump which operates a hydraulic telescope cylinder which extends the mast with the help of drive belts. The drill also powers the platform down, but should its battery run down there is a platform-mounted emergency descent that can be used.

The entire machine weighs just 170kg and can be loaded in the back of a small van. The new machine is undergoing its final endurance testing and ought to be ready for sale sometime in September. This is the latest machine in a trend on low level units to do away with



Power Towers Pecolift which employs a hand turned flywheel and drive belts to extend its lift mechanism



Big Astor Mak 1

built-in batteries and electrical systems, spearheaded by Power Towers Pecolift which employs a hand turned flywheel and drive belts to extend its lift mechanism. The benefit of these types of machines is that they can be left in the corner of the warehouse or showroom for months on end and called into use without fear of flat batteries, sticking valves or a seized motor.

Leading Chinese producer Dingli also offers a wide range of lower level self-propelled machines with, both a mast type lift structures, as does Italian manufacturer Big Astor/Genius which has a new four metre working height push-around lift the Mak 1. The new lift includes a built in battery and charger, a 1.16 metre by 790mm platform with a capacity of 130kg, and yet the entire machine weighs just 94kg. It also features removable sliding side rails, drastically reducing its overall height to 520mm so that it can be transported in a car or small van.

Low level scissors and above

Next are the low level scissor lifts, essentially lightweight push around machines with added drive motors often using wheelchair technology and controls. These are now available from Dingli, Imer, Airo, Youngman and Custom Equipment although its Hybrid models are purpose-built as self-propelled machines.

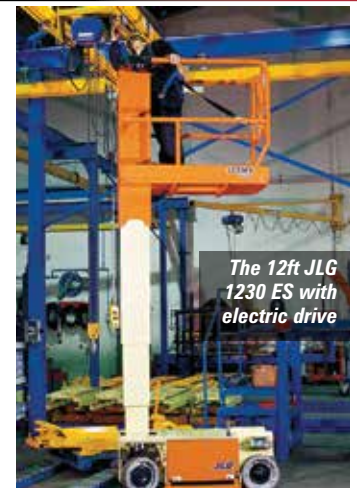
Moving up the height range we come to the 12ft mast lifts, not mast booms. They feature a mast in place of a scissor stack, but operate in exactly the same way as a traditional scissor lift. The mast boom on the other hand has a jib with decent outreach and a slewing superstructure. The mast-lift products generally offer working heights of up to 5.6 metres

and were made popular by the UpRight TM12, which is still going strong as the Snorkel TM12. Since then however a number of other very similar models have appeared from competitors including JLG's 1230 ES the Skyjack SJ12 and with just a little more height, the six metre Haulotte Star 6 and JLG Toucan Duo.

Direct electric drive

A key consideration on machines of this height is the drive system, they have typically used the same running gear as a regular 15 or 19ft scissor lift. However, an increasing number, led by the JLG 1230ES, now feature direct electric drive - with the latest Haulotte employing direct AC electric drive, while Snorkel showed a direct drive TM12 prototype at the ARA in February. Direct wheel motor drive does provide increased battery life - especially when a good deal of travel is required - which can be a real benefit when used constantly across a large manufacturing facility or warehouse. The battery life on some are so good that the lift can almost be used as a buggy for the maintenance crew, ensuring that they always have the access equipment on hand for immediate use.

An alternative to the mast lifts is the 12ft compact scissor lift pioneered by American-based Custom Equipment in the form of its Hybrid 12E. It is almost dimensionally identical to the 12ft mast lifts but critically offers a larger platform as it does not have the mast taking up platform space. The Hybrid 12E also uses twin wheels on the steering axle which it says, prevents carpet rucking up when turning sharply. Earlier this year MEC also introduced a sub-compact scissor lift into the



The 12ft JLG 1230 ES with electric drive

sector with the 1330SE, which is slightly higher than the Hybrid 12E with a 5.9 metre working height. It joins the 13ft Dingli JCPT0607DCI and JCPT0607DCS, announced at the end of last year. Finally topping the mast/compact scissor lift sector is the 16ft mast lift from Skyjack in the form of the SJ16. This can be handy for buildings with higher ceilings where the 6.8 metre working height allows it to reach the higher areas in most production facilities. More recently the bigger Skyjack mast lift has been joined by the 6.6 metre ATN Pfaf 66 which uses a forklift-type mast, rather than the box sections used by most other manufacturers.



Dingli has a wide range of lower level platforms

Larger still

Moving up the working height range, but leap frogging the regular 19 to 26ft compact slab scissor lifts to machines with working heights of 10 to 12 metres, you will also find an increasing array of alternatives, that are well suited to internal work. They include mast booms, ultra-compact industrial booms, as

well as an increasing selection of lightweight or heavy duty electric scissor lifts. The mast boom though is a product designed for industrial or commercial environments, and offers a narrow chassis - typically just under a metre - at least 180 degrees of slew, and anything from 1.5 to six metres of outreach the most popular are those with 10 metre working heights and around three to four metres of outreach at a height of around six to seven metres. They are ideal for working over obstacles such as over the top of a machine tool, shelving or racking.

Another excellent lift for industrial situations are the battery powered, industrial type articulated booms, often dubbed 'Dustbin lifts' due to the shape of their superstructures. Skyjack recently launched its 30ft SJ30 with or without an articulated jib. Most platforms in this sector look very much alike and have similar performance characteristics, but all have working heights of around 10 metres, are 1.2 metres wide and most now have rotating jibs. Outreach is good at about six metres, however as a result the up

and over height is lower than for a 10 metre mast boom, at around 4.5 metres. If outreach is critical then these are a better bet than the mast boom, but there is a trade-off with greater overall weight and the wider chassis. Skyjack says that it identified drive and duty cycle performance as one of two key parameters when developing its new lift, - the other being outreach - so it has stepped up the



Lighter articulated booms such as the Niftylift HR12 might suffice



Two JLG E300AJ 'dustbins' carrying out maintenance work



Mastbooms are narrow enough to work between compact aisles

battery life with direct AC drive and regenerative braking. It also offers a little more outreach at almost 6.3 metres.

If width isn't a problem then the lighter weight articulated booms such as the Niftylift HR12 - which established the sector in the 1990s - Snorkel's AB38E, JLG's 340 AJ and the recently launched Genie Z33/18 would be well worth a look. Overall width on these units is typically 1.5 metres and weight is around 3.5 tonnes with a 12 metre working height and around 5.5 metres outreach. The Manitou

Man'Go was launched last year and is now finding its way into rental fleets, while designed for outdoor use, it has a working height of 11.9 metres, but unlike the units mentioned above does feature a 1.5 metre articulated jib.

Battery powered boom lifts

Whatever the platform if you are working inside a building you will need equipment that is emission free and quiet. And if you also need greater working height and outreach your options include hybrid or bi-energy booms and even tracked lithium/bi-energy spider lifts.

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Spider lifts can manage most situations

Most of the access manufacturers now offer battery electric booms up to 15 metres or so, but the upper limit is moving fast, led by Niftylift which now offers electric or hybrid models for all of its boom models, including the 86ft HR 28 articulated boom which offers a working height of 28 metres. JLG has also offered a 60ft electric or bi-energy boom lift for many years in the form of the M600 series. It has now been joined by Genie which unveiled its new direct electric drive Z60/37DC in February, followed by the bi-energy or Hybrid version - the Z60/37FE in April. Both models offer direct electric four wheel drive, making them excellent machines for outdoor and Rough Terrain applications as well as being suitable for internal work.

While the Niftylift HR28 had the market for 80ft plus electric

powered booms to itself for a short while, it has been joined now by a battery powered 80ft JLG 800AJ designed and built initially for airline work for one its customers

by its Dutch distributor Riwal. But it has now developed the product for sale over a wider area and recently delivered its first unit to a Swiss customer.

Electric spider alternative

And finally to spider lifts where more than 25 manufacturers are now offering this type of lift in what is a fast growing market. A spider lift can just about manage any situation - narrow enough to access the most restricted work spaces with good working height coupled with more than adequate outreach. The only down side for work in confined spaces is the fairly large outrigger spread, but the legs can often be positioned in between obstacles allowing the lift to set-up in tight areas.

Spider lifts start at about 13 metres and run to working heights of more

than 50 metres, however these higher working height machines are physically huge. The most popular sizes are between 13 and 22 metres. An increasing number of them now feature high power lithium ion battery packs that make them even more attractive for inside work. Hinowa has pioneered lithium power packs since 2009 and now has a range of lithium powered spider lifts from 15 to 26 metres. The lithium battery power packs are sufficient to keep the machine going through heavy cycle duty work for

around five hours. They can also be charged far more quickly than the traditional lead acid batteries.

As can be seen from the real-life example we highlight on page 30, there are normally many types of equipment able to successfully, safely and cost-effectively carry out a specific work at height task, so there is no excuse for not using the right equipment and planning the job correctly rather than hoping you stay lucky when using makeshift access equipment such as a pallet on the forklift.



Spider legs can sometimes be a problem to position

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Which platform is best?

If you are a regular reader of this magazine you will be more than aware of the increasingly wide variety of access equipment that is now available. We have also written much about the when and why certain machines are better for one situation than another. But we have never actually had a real-life example to find a machine which would be best for a specific job.

A reader recently contacted the Vertical Press office with a problem - he needed an access platform that could reach 1.5 metres over a large 10 metre high racking system to access a rooflight 13.5 metres high. The distance in front of the racking is five metres and as it is a two-man job with tools, the platform capacity needed to be in the region of 250kg.

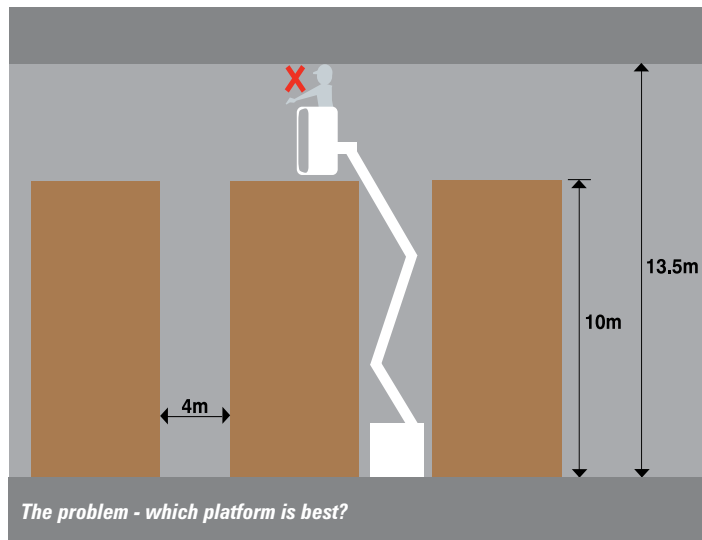
Now we didn't go into too much detail as to why the rooflight was in such a difficult to reach position,

what needed to be done to it, or why it needed two men and initially thought it wouldn't be a problem finding a machine that could carry out the work. The exercise proved an enlightening experience really driving home the advantages and disadvantages of each type of equipment. Other factors such as ground loading, access and zero emissions were not mentioned but could also be critical in the decision making process.

Mast boom

Now our first thought was that 1.5 metres is not a great outreach so most platforms would be in the running - a mast boom, articulated boom, straight telescopic boom, small vehicle mounted lift, spider platform etc - obviously instantly ruling out those with zero or little outreach such as most scissor lifts and low level push around equipment because of the 13.5 metre working height. However it soon became obvious that the critical dimension here is getting over the 10 metre high rack and achieving the outreach required, not to mention the overall height.

For something like a mast boom - even ATNs latest Piaf 12E which



The problem - which platform is best?



Mast lifts such as this Snorkel TM12E are also ruled out because of the working height and lack of outreach



Outreach of the ATN Piaf 12E is good but up and over height and maximum working height rules it out

has 5.1 metres of outreach - it only has 7.3 metres of up and over height. The Piaf 12E was also ruled out because its maximum working height is just 11.83 metres and platform capacity 200kg. JLGs largest mast boom - the Toucan T12E Plus has more outreach at 6.05 metres and an up and over height of 7.12 metres - but still too low. So mast booms bite the dust.

Articulated and straight booms

Next up, the articulated boom. A working height of 13.5 metres is no problem at all, but would it not have to be a largish boom to

achieve the 10 metres up and over requirement? Scanning through Genie spec sheets we can see many articulated Z booms above 13.5 metres such as the Z40/23, the Z45/25 and the Z60/37. However even the Z60/37 with a working height of more than 20 metres only has an up and over height of 7.39 metres. Looking closer at the job, however and its modest outreach requirement, it soon became evident that as long as the main boom pivot point was up at around six to seven metres an articulated boom could reach, not up and over, but getting enough outreach over the obstacle.

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Welcome to visit Dingli.



Even 60ft booms such as the new Genie Z60/37FE only offer an up and over reach of 7.5m



The 43ft Niftylift HR15 only weighs 4.5 tonnes although the slightly heavier Hybrid version would be the best model for indoor work

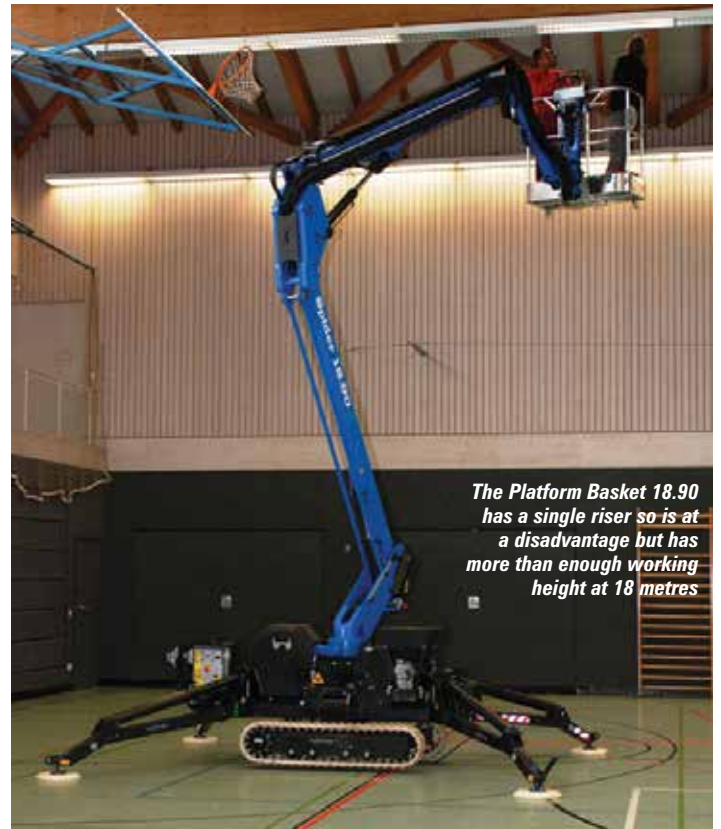
This then included a wide number of machines, so now to find the smallest, most widely available or one that might best meet other unknown criteria, such as weight, width and power source etc. We looked at the Snorkel AB38 which has a working height of 13.5 metres, its up and over height is only five metres, but could still clear the 10 metre obstacle, however at the 13.5 metre height it was nowhere close to the modest 1.5 metres of outreach. The Snorkel A46JE certainly has enough working height at 16.3 metres and after clearing the obstruction would have the space to position the man in place - made easier by the 1.5 metre rotating jib. Platform capacity is also just about all right at 227kg. A quick survey found that this applies to all manufacturers with similar machines and even slightly smaller models, such as the 40ft Genie 40NRJ, Niftylift HR15, JLG E400AJP, Haulotte HA15IP and the Skyjack 46 AJ - although this last unit is only diesel powered. All can reach with their dual risers fully extended, boom raised but retracted and jibs horizontal. Taking the Snorkel as an example, its 1.7 metre width leaves plenty

of room to position itself back from the rack a little if needed, to give the boom a shallower angle and therefore more outreach. We were not informed of any weight restrictions, but the AB46 is a hefty 6.8 tonnes so may be an issue?. The 43ft Niftylift HR15 on the other hand only weighs 4.5 tonnes, the Hybrid would be the best model for indoor work and it is slightly heavier at 4.8 tonnes, still a substantial lower, and it is still only two metres wide. All these articulated booms have much more outreach than necessary but need the articulation point high enough to allow the boom to reach over the obstruction at 10 metres without the need to stand too far back. This is the main reason why straight boomed platforms are not ideal, they have no problem with the working height and outreach over the obstruction but where it falls down is that room it requires in the aisle to reach the work, although in this case 1.5 metres is achievable if the unit has a decent length jib. In crane terms it is similar to why a mobile tower crane can work right next to a building, while an All Terrain needs to be stand further back to reach over.

Spider lifts

We have often cited the spider lift as the 'jack of all trades', the platform that can cope with almost every application - narrow enough to gain access into the building and track into position, and with enough working height and outreach for most situations. But can it cope with this problem?

We started by looking at the new Platform Basket 18.90



The Platform Basket 18.90 has a single riser so is at a disadvantage but has more than enough working height at 18 metres

Pro E, since the spec sheet was already on our desk. On paper it has more than enough working height at 18 metres and up to 9.2 metres of outreach. However it is not the outreach but the height of the articulation point that counts. This unit has a single riser so is at a disadvantage, however the fact that the outrigger spread requires it to stand back a little, and that it has a jib means it can reach, the relatively modest 1.5 metres. With a travel width of just over one metre, it can easily access the area but the outrigger spread is a downer, but even this 18 metre 18.90 Pro E needs just 3.7 by 3.1 metres to set up, could manage it. And with a weight of less than 2,500kg it is significantly lighter than the other equipment, allowing a much lower floor loading should

that be a factor. The Pro E also has a lithium-ion or plug in electric power if necessary for zero emissions inside the building. Can we go smaller? Well the Hinowa 15:70 can also reach, as will most spider lifts with dual risers. The 15:70 has the advantage of being even narrower with a footprint

Articulated lifts such as this Skyjack 46 AJ would be able to reach the problem position.



The smaller Hinowa 15:70 can also reach

of just 2.8 metres square, while weighing less than two tonnes. Some spider lifts will also allow asymmetrical outrigger set up, to reduce the width, but not usually at this height.

Finally on spider lifts, if the outreach requirement had been greater than 1.5 metres, the ideal machine would be a unit like the Multitel SMX225 which has a clear up and over height of 10.5 metres and can reach

almost nine metres horizontally at that height, albeit with 200kg platform capacity. A narrower width outrigger configuration is also available.

Any other equipment?

Well there are several other access platforms that may well do the job. The first is the van mounted platform, such as a 14 metre Versalift ETL 38-F. A bit of overkill but it can certainly carry out the



The Multitel SMX225 has a clear up and over height of 10.5 metres and can reach almost nine metres horizontally.



ATN Piaf 12E

work as it has a jib and the top articulation point is about 10 metres high - ideal in many respects. Fuel emissions would be a problem, unless you use a hybrid model. The vehicle width is narrow enough for

this particular job. Platform capacity is good at 230kg. Most 3.5 tonne truck mounted platforms, such as the articulated Multitel MX 170 would also work admirably, but again do you really want to driving a

Platform Basket 18.90 Pro.



Airo X14EV.



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There is another type of platform that will do this task - the scissor lift with a 1.5 metre platform extension such as this Airo 14EW.

truck inside the facility? And let's be honest few aisles are this wide.

And finally there is one other type of platform that will do this task and surprisingly it is a scissor lift - but with a 1.5 metre platform extension. This rules out all but two manufacturers - Holland Lift and Airo - and two reasonably-sized models

the 46ft, Holland Lift HL-160 E12 and the 40ft Airo X14EW. The smaller Holland Lift HL-130 E12 has a massive 1.8 metre deck extension, but its working height is just a touch short at 12.7 metres. The Airo has a platform capacity of 350kg and the Holland Lift a massive 750kg. This shows in their overall weights at 3,365kg and 7,550kg respectively. With scissor lifts of course you do need the space to allow them to face the rack lengthwise, which is not always the case, but with lengths of 2.4 metres and 3.74 metres this shouldn't be a problem here.

So there we have it. What initially seemed a simple problem in the end has several solutions - articulated boom, truck and van mount, spider and scissors - but which one to choose? As always it often boils down to the

equipment of your regular supplier. Cost wise the articulated boom or scissor lift would probably be the cheapest but it may depend on other unknown factors such as weight (the spider is easily the lightest) zero emissions - most have electric or hybrid options but not all rental companies stock them - and restricted or clear access. The choice is yours...



Spiderlifts are narrow enough to gain access into the building and track into position, and with enough working height and outreach for most situations



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Each year our guide grows and any omissions are picked up, hopefully making it an even more useful document. This year has seen quite a few changes and additions as new manufacturers come on the scene and others move. As with any listing like this it is always going to be a work in progress, so please do let us know what we can do to correct or improve it.

2016



HEAVY LIFT CRANES/EQUIPMENT

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
ALE Engineering	UK	ALE	01889 272500	ALE	+44 1889 272 500	www.ale-heavylift.com
Bigge	USA	Direct	+1 888 337 2444	Direct	+1 888 337 2444	www.bigge.com
Deep South	USA	No Distribution	+1 225 753 4371	No Distribution	+1 225 753 4371	www.deepsouthcrane.com
Lampson	USA	Direct	+1 509 586 0411	Direct	+1 509 586 0411	www.lampsoncrane.com
Liebherr	Germany	Liebherr GB	01767 602100	Liebherr GB	01458 76 50	www.liebherr.co.uk
Mammoet	Netherlands	Mammoet UK	01912 620550	Mammoet UK	+44 1912 620550	www.mammoet.com
Manitowoc	USA	Manitowoc UK	01280 818830	Manitowoc UK	+44 1280 818830	www.manitowoc.com
Sarens	Belgium/USA	Sarens UK	01642 621621	Sarens Ireland	057 87 40 944	www.sarens.com
Terex	Germany	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	www.terexcranes.com

MOBILE CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Altec	USA	Aldercote	01482 223777	Aldercote	+44 1482 223777	www.aldercote.com
Bendini	Italy	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	www.terex.com
Bencini - Cams	Italy	No Distribution	+378 0549 988111	No Distribution	+378 0549 988111	www.camsind.com
Broderson	USA	Direct	+1 913 888 0606	Direct	+1 913 888 0606	www.bmcrcanes.com
EuroRigo	Italy	Direct	+390 4568 61500	Direct	+390 4568 61500	www.rigo.com
Franma	Australia	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	www.terexcranes.com
Galizia	Italy	UNIC Cranes Europe	01844 202071	GGR Group	+44 1844 202071	www.unic-cranes.co.uk
Grove	Germany	Manitowoc UK	01280 818830	Manitowoc UK	+44 1280 818830	www.manitowoc.com
Hidrokon	Turkey	No Dealer	+332 444 88 11	No Dealer	+332 444 88 11	www.hidrokon.com
JMG	Italy	Compact Lifting Equipment	01482 351546	Compact Lifting Equipment	+44 1482 351546	www.compactlifting.com
Kato	Japan	Rivertek	+353 2143 85342	Rivertek	02143 85342	www.rivertekservices.com
Liebherr	Germany	Liebherr GB	01767 602100	Liebherr GB	01458 76 50	www.liebherr.co.uk
Lift Systems	USA	Claxton International	01244 661000	Claxton International	+44 1244 661000	www.claxtoninternational.co.uk
Link-Belt	USA	NRC Plant	01375 361616	NRC Plant	+44 1375 361616	www.nrcplant.co.uk
Locatelli	Italy	No Dealer	+390 3549 45066	No Dealer	+39 035 494 5066	www.locatell Crane.eu
Manitex	USA	No Dealer	+1 512 942 3000 H309	No Dealer	+1 512 942 3000	www.manitex.com
Manotti	Italy	No Dealer	+390 5229 65590	No Dealer	+390 5229 65590	www.manotti.eu
Marchetti	Italy	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	www.agd-equipment.co.uk
Ormig	Italy	Crowland Cranes	01733 210561	Crowland Cranes	+44 1733 210561	www.crowlandcranes.com
PC Produzioni	Italy	Direct	+39 3387 674786	Direct	+39 3387 674786	www.manotti.eu
Rigo	Italy	Direct	+390 4568 61500	Direct	+390 4568 61500	www.rigo.com
Sany	Austria	Palfinger Sany	+43 662 46840	Palfinger Sany	+43 662 46840	www.palfinger-sany.com
Sennebogen	Germany	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	www.agd-equipment.co.uk
Spierings	Holland	Spierings Kranen	+31 4126 97777	Spierings Kranen	+31 4126 97777	www.spieringskranen.nl
Tadano	Germany	Tadano UK	0870 066 5466	Tadano UK	+44 870 066 5466	www.tadano.co.uk
Terex	Germany	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	www.terexcranes.com
Valla	Italy	Hird	01482 227333	Hird	+44 1482 227333	www.hird.co.uk
XCMG	China	Cannon XCMG	02881 659709	Cannon XCMG	+44 2881 659709	www.cannonxcmg.co.uk
Zoomlion	China	Crowland Cranes	01733 210561	Crowland Cranes	+44 1733 210561	www.crowlandcranes.com

CRAWLER CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Fushun	China	Direct	+36 1584 131 3033	Direct	+36 1584 131 3033	www.cnfuwa.com
Fuwa	China	Direct	+36 1584 131 3033	Direct	+36 1584 131 3033	www.cnfuwa.com
Hitachi-Sumitomo	Japan	NRC Plant	01375 361616	NRC Plant	+44 1375 361616	www.nrcplant.co.uk
IHI	Japan	AGD Equipment	01789 292227	Rivertek	02143 85342	www.rivertekservices.com
Kiesel	Denmark	Direct	+45 24 44 86 88	Direct	+45 24 44 86 88	www.kiesel.dk
Kobelco	Japan	Kobelco Cranes Europe	01342 301122	Kobelco Cranes Europe	+44 1342 301122	www.kobelco-cranes.com
Komac	South Korea	Direct	+82 2761 0880	Direct	+82 2761 0880	www.komac.co.kr
Liebherr	Germany	Liebherr GB	01767 602100	Liebherr GB	01458 76 50	www.liebherr.co.uk
Link-Belt	USA	NRC Plant	01375 361616	NRC Plant	+44 1375 361 616	www.nrcplant.co.uk
Maeda	Japan	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Mait	Italy	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	www.agd-equipment.co.uk
Manitowoc	USA	Manitowoc UK	01280 818830	Manitowoc UK	+441280 818830	www.manitowoc.com
Mantis	USA	Tadano UK	0870 066 5466	Tadano UK	+44 870 066 5466	www.tadano.co.uk
Marchetti	Italy	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	www.agd-equipment.co.uk
Sany	China	Sany Germany	+49 2272 905311	Sany Germany	+49 2272 905311	www.sanyeurope.com
Sennebogen	Germany	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	www.agd-equipment.co.uk
Sunward	China	GGR Group	01844 202071	GGR Group	+44 1844 202071	www.ggrgroup.com
TCM	Italy	Direct	+39 0875 752076	Direct	+39 0875 752076	www.tcmsrl.net
Terex	Germany	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	www.terexcranes.com
XCMG	China	Cannon XCMG	02881 659709	Cannon XCMG	+44 2881 659709	www.cannonxcmg.co.uk
Zoomlion	China	Crowland Cranes	01733 210561	Crowland Cranes	+44 1733 210561	www.crowlandcranes.com

TOWER CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Arcomet	Belgium	No Dealer	+32 114 50950	No Dealer	+32 114 50950	www.arcomet.com
Artic Cranes	Sweden	City Lifting	01708 805550	City Lifting	+44 1708 805550	www.citylifting.co.uk
Benazzato	Italy	Rossa Cranes	07939 094742	Rossa Cranes	+44 7939 094742	www.rossainternational.com
Cattaneo	Italy	Weaving Machinery	01386 49155	Weaving Machinery	+44 1386 49155	www.weavingmachinerycranes.net
Cinomatic	Italy	Wanted	+39 3412 81961	Wanted	+39 3412 81961	www.cinomatic.com
Clever Crane	Italy	Wanted	+39 2908 48689	Wanted	+39 2908 48689	www.gelcogru.com
Cobra	Switzerland	Direct	+41 2667 51530	Direct	+41 2667 51530	www.cobra-crane.com
(Comedil) Terex	Italy	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	www.terexcranes.com
Comansa	Spain	City Lifting	01708 805550	City Lifting	+44 1708 805550	www.citylifting.co.uk
FB Gru	Italy	Crane Hire East Anglia	02077 949494	Northern Lift Trucks	+28 9267 3111	www.cranehireeastanglia.co.uk
FM Gru	Italy	Mantis Cranes	0845 3098158	Mantis Cranes Ireland	07491 49981	www.mantiscranes.ie
Gelco Clever Crane	Italy	Wanted	+39 290 848 689	Wanted	+39 290 848 689	www.gelcogru.com
GP Autolift	Italy	Direct	+39 0331 1820275	Direct	+39 0331 1820275	www.gpautolift.com
Jaso	Spain	Falcon Crane Hire	01362 821048	Falcon Crane Hire	+44 1362 821048	www.falcon-crane-sales-hire-uk.com
Jost	Germany	London Tower Cranes	020 8953 7800	London Tower Cranes	+44 20 8953 7800	www.londontowercranes.co.uk
Liebherr	Germany	Liebherr GB	01767 602100	Liebherr GB	01458 76 50	www.liebherr.co.uk
Linden Comansa	Spain	City Lifting	01708 805550	City Lifting	+44 1708 805550	www.citylifting.co.uk
Lux Cranes	Germany	MTI-Lux SA	+352 2674 5480	MTI-Lux SA	+352 2674 5480	www.mti-lux.com
Mantis	Ireland	Mantis Cranes	0845 3098158	Mantis Cranes Ireland	07491 49981	www.mantiscranes.ie
MTI	Germany	MTI-Lux SA	+352 2674 5480	MTI-Lux SA	+352 2674 5480	www.mti-lux.com
Potain top slew	France	Manitowoc UK	01280 818830	Electogen	01825 1644	www.potain.com
Potain self erectors	France	Ladybird Crane Hire	01527 889889	Electogen	01825 1644	www.potain.com
Raimondi	Italy	Vanson Cranes	01476 861011	Irish Crane and Lifting	0643 3722	www.vansoncranes.com
Saez	Spain	Direct	+34 968 102 884	Direct	+34 968 102 884	www.gruassaez.com
San Marco	Italy	Direct	+39 032 282 601	Direct	+39 032 282 601	www.sanmarco-int.com
Spierings	Holland	Spierings Kranen	+31 4126 97777	Spierings Kranen	+31 4126 97777	www.spieringskranen.nl
Terex	Germany	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	www.terexcranes.com
Vanson	UK	Vanson Cranes	01476 861011	Vanson Cranes	+44 1476 861011	www.vansoncranes.com
Vicario	Italy	Kevin Guy Plant Hire	01282 861166	Kevin Guy Plant Hire	+44 1282 861166	www.kevinguyplant hire.com
Wolffkran	Germany	HTC Wolffkran	01709 559668	HTC Wolffkran	+44 1709 559668	www.htcplant.com
Yongmao	China	London Tower Cranes	020 8953 7800	London Tower Cranes	+44 20 8953 7800	www.londontowercranes.co.uk
Zoomlion	China	Crowland Cranes	01733 210561	Crowland Cranes	+44 1733 210561	www.crowlandcranes.com

SPIDER CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Benelli Gru	Italy	Direct	+39 522 969 756	Direct	+39 522 969 756	www.benelligrup.it
BG Lift	Italy	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.ue-cranes.com
Böcker	Germany	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Brennero Gru	Italy	Direct	+39 335 5763906	Direct	+39 335 5763906	www.brennerogru.it
Cormidi	Italy	GGR	01844 202071	GGR Group	+44 1844 202071	www.unic-cranes.co.uk
Hoeflon	Holland	Direct	+31 342 400 288	Direct	+31 342 400 288	www.hoeflon.nl
Jekko	Italy	JT Cranes	01767 677155	JT Cranes	+44 1767 677155	www.jtcranes.co.uk
Kegiom	Italy	No Dealer	+39 0143 822 031	No Dealer	+39 0143 822 031	www.kegiom.com
Kiesel	Denmark	Direct	+45 24 44 86 88	Direct	+45 24 44 86 88	www.kiesel.dk
Palazzani	Italy	TCA Lifting	0845 603 5360	TCA Lifting	+44 845 603 5360	www.poweredaccess.com
Penny Hydraulics	UK	Penny Hydraulics	01246 811475	Penny Hydraulics	+44 1246 811475	www.pennyhydraulics.com
Reedyk	Holland	Promax Access	01226 716657	Promax Access	+44 1226 716657	www.promaxaccess.com
Riebsamen	Germany	No Dealer	+49 7582 791	No Dealer	+49 7582 791	www.riebsamen.de
RGB Engineering	Japan	Direct	+81 3919 2218	Direct	+81 3919 2218	www.rbe.co.jp
UNIC	Japan	UNIC Cranes Europe	01844 202071	GGR Group	+44 1844 202071	www.unic-cranes.co.uk
Van Bouwel	Holland	Direct	+32 3369 6981	Direct	+32 3369 6981	www.vanbouwel-kranen.be
Valla	Italy	Hird	01482 227333	Hird	+44 1482 227333	www.hird.co.uk

LOADER CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Amco Veba	Italy	Tip N Lift	01473 747222	Tip N Lift	+44 1473 747222	www.tipnlift.co.uk
Atlas	Germany	Atlas Cranes UK	08444 996688	Sleator Plant	+44 2890 844251	www.atlas-cranes.co.uk
Benelli Gru	Italy	Direct	+39 522 969 756	Direct	+39 522 969 756	www.benelligrup.it
Cargotec/Hiab	Sweden	Hiab UK	01691 623100	Cahir House Machinery	05274 41300	www.hiab.com
Co.M.eT	Italy	Affordable Access	01794 521177	Wanted	+39 051 687 8711	www.affordableaccesshire.co.uk
Copma	Italy	Wanted	+39 0546 653 711	Wanted	+39 0546 653 711	www.copma-cranes.com
Cormach	Italy	Ernest Doe & Sons	01206 871881	Hydraweld	01458 0402	www.ernestdoe.com
Effer	Italy	Martin Williams Hull	01482 897607	Lambe Engineering	05793 55736	www.martinwilliamshull.co.uk
Effer Marine	Italy	Preferred Marine Cranes	01467 632975	Preferred Marine Cranes	+44 1467 632975	www.preferredmarine.com
Fassi	Italy	Fassi UK	01926 889779	Fassi UK	+44 1926 889779	www.fassi.co.uk
Ferrari	Italy	No Dealer	+39 522 486 311	No Dealer	+39 522 486 311	www.fliferrari.it
GAL	Greece	Seeking Dealer	+302 3107 66980	Seeking Dealer	+302 3107 66980	www.gal.gr
Hiab	Sweden	Hiab UK	01691 623100	Cahir House Machinery	05274 41300	www.hiab.com
HMF	Denmark	HMF UK	01733 558145	HMF UK	+44 1733 558145	www.hmf.dk
Hyva	Holland	Hyva UK	0161 776 6600	Hyva UK	+44 161 776 6600	www.hyva.co.uk
Kennis	Holland	Hyva UK	0161 776 6600	Hyva UK	+44 161 776 6600	www.hyva.co.uk
KLM	Italy	Bluelift	+39 5417 56872	Bluelift	+39 5417 56872	www.bluelift.it
Marchesi	Italy	Tip N Lift	01473 747222	Tip N Lift	+44 1473 747222	www.tipnlift.co.uk
Maxlift	Italy	Ernest Doe & Sons	01206 871881	Direct	+39 0522 963 039	www.ernestdoe.com
MKG	Germany	Truck Hyd. Services	01530 510101	MKG	+49 421 321 406	www.mkg-export.com
Next Hydraulics	Italy	Ernest Doe & Sons	01206 871881	Direct	+39 0522 963 039	www.ernestdoe.com
Palfinger	Austria	T.H White	01380 722381	Palfinger Ireland	05793 52525	www.thwhite.co.uk
Palfinger	Austria	Outreach - Scotland	01324 889000	Palfinger Ireland	05793 52525	www.outreachtd.co.uk
Penny Hydraulics	UK	Penny Hydraulics	01246 811475	Penny Hydraulics	+44 1246 811475	www.pennyhydraulics.com
Pesci	Italy	HCM Hydraulics	01639 711345	HCM Hydraulics	+44 1639 711345	www.hcm.uk.com
PM	Italy	Central Hydraulic Loaders	01827 283344	Joseph Bennett and Sons	05786 25245	www.pmcraesuk.co.uk
Smart Crane	Italy	TCM	+39 0875 752076	TCM	+39 0875 752076	www.tcmsrl.net
Tirre	Germany	Harsh UK	01759 372100	Harsh UK	+44 1759 372100	www.harshuk.com
Toimil	Spain	Coastal Hydraulics	+353 87 225 1525	Coastal Hydraulics	087 225 1525	www.toimilgruas.com

TRAILER/ALUMINIUM CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Böcker	Germany	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Emminghaus	Germany	Direct	+49 5264 64640	Direct	+49 5264 64640	www.emminghaus.de
Klaas	Germany	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.ue-cranes.com
Paus	Germany	UNIC Cranes Europe	01844 202071	GGR Group	+44 1844 202071	www.unic-cranes.co.uk
Paus (furniture lifts)	Germany	The Furniture Hoist Co.	020 3150 1219	Direct	+49 5903 7070	www.furniturehoist.co.uk

GOING UP IN THE WORLD

A history of Simon Engineering, the development of the powered access industry and a lifetime as an engineer, by Denis Ashworth

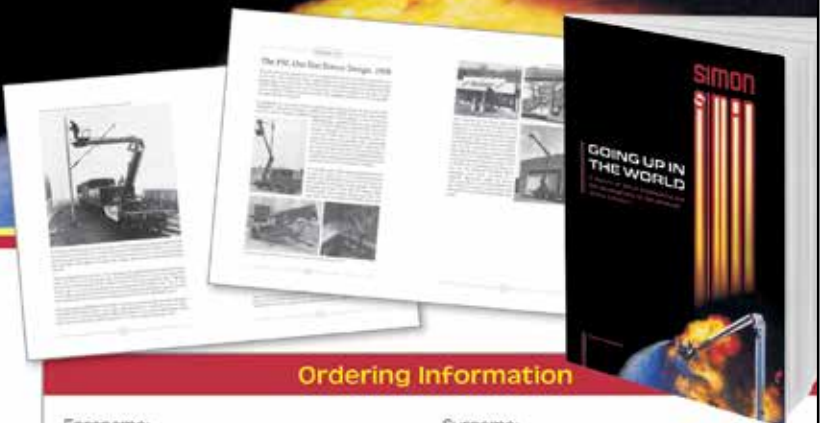
Ashworth was a keen engineer and from an early age found himself in at the very start of the modern powered access industry.

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Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Aichi	Japan	Aichi Sales Office BV	+31 162 431543	Aichi Sales Office BV	+31 162 431543	www.aichi.eu
Airo	Italy	Aerial & Handling Services	01737 844896	Aerial and Handling Services	+44 1737 844896	www.aerialhandlingservices.com
ATN	France	Anglian Access Services	01733 343900	Anglian Access Services	+44 1733 343900	www.angliaccess.co.uk
Cautrac	UK	Direct	01206 273111	Direct	+44 1206 273111	www.cautrac.com
Dingli	China	Dingli UK	07794 052601	Dingli UK	+44 7794 052601	www.dingliplatformsales.co.uk
Dinolift	Finland	Direct	+358 2017 72400	Direct	+358 2017 72400	www.dinolift.com
ELS Makine	Turkey	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.utility-equipment.com
Genie	USA	Genie UK	014765 84333	Genie Europe	+44 1476 584333	www.genielift.co.uk
Giraf Track	Belgium	UNIC Cranes Europe	01844 202071	GGP Group	+44 1844 202071	www.unic-cranes.co.uk
HAB	Germany	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.colle.eu
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Hitachi	Japan	HM Plant	01914 308400	HM Plant	+44 1914 308400	www.hmplant.ltd.uk
Imer	Italy	Cumberland Platforms	01536 529876	CLM Construction	+44 1215 225930	www.cumberlanduk.co.uk
JLG	USA-Belgium	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
JCH	China	Wanted	+86 10615 39210	Wanted	+86 10615 39210	www.jchic.com
Kreitzler	Germany	Direct	+49 23026 98418	Direct	+49 23026 98418	www.kreitzler.de
Leguan	Finland	Avant Tecno UK	01953 714896	Direct	+358 3347 6400	www.leguanlifts.com
Lehmann	Germany	Wanted	+49 351 854 040	Wanted	+49 351 854 040	www.lehmann.lifte.de
Manitou	France	Manitou UK	01202 825331	Manitou UK	+44 1202 825331	www.uk.manitou.com
Matlisa	Spain	Hi-Lift Access	01623 474154	Seeking Dealers	+34 976 29547	www.matlisa.es
Mantall	China	Wanted	+86 513 8390 5158	Wanted	+86 513 8390 5158	www.mantall.com
MEC	USA	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Mecaplus	Spain	No Dealer	+39 974 435126	No Dealer	+39 974 435126	www.mecaplus.es
Mieve	Spain	Direct	+34 9798 08036	Direct	+34 9798 08036	www.mieve.es
Nagano	Japan	Kemp Hoogwerkers	+31 30669 1091	Kemp Hoogwerkers	+31 30669 1091	www.kemphoogwerkers.nl
Niftylift	UK	Niftylift	01908 223456	Niftylift	+44 1908 223456	www.niftylift.com
Nostolift	Finland	Direct	+358 4002 44040	Direct	+358 4002 44040	www.nostolift.fi
PB Liftechnik	Germany	Russon Access	01384 444630	Russon Access	+44 1384 444630	www.russonaccess.com
Platform Basket	Italy	Promax Access	01226 716657	Promax Access	+44 1226 716657	www.promaxaccess.com
Power Towers	UK	Power Towers	01162 001757	Power Towers	+44 1162 001757	www.powertowers.co.uk
Sinoboom	China	Seeking Dealer	+86 731 8711 6222	Seeking Dealer	+86 731 8711 6222	www.sinoboom.com
Skyjack	Canada	Skyjack UK	01691 676235	Skyjack UK	+44 1691 676235	www.skyjack.com
Snorkel	UK/USA	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Tadano	Japan	Direct	+81 33621 7750	Direct	+81 33621 7750	www.tadano.co.jp
Toucan	France	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com

SCISSOR LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Access-Zipper	UK	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Aichi	Japan	Aichi Sales Office BV	+31 162 431543	Aichi Sales Office BV	+31 162 431543	www.aichi.eu
Airo	Italy	Aerial & Handling Services	01737 844896	Aerial & Handling Services	+44 1737 844896	www.aerialhandlingservices.com
Alarina	Spain	Direct	+34 950 315643	Direct	+34 950 315643	www.alarina.es
Almac	Italy	SkyKing	01858 467361	SkyKing	+44 1858 467361	www.kingtrailer.co.uk
ATN	France	Anglian Access Services	01733 343900	Anglian Access Services	+44 1733 343900	www.angliaccess.co.uk
Bravi	Italy	Direct	+39 071 7819090	Direct	+39 071 7819090	www.riwal.com
Custom Equipment	USA	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.colle.eu
Dingli	China	Dingli UK	07794 052601	Dingli UK	+44 7794 052601	www.dingliplatformsales.co.uk
Eazzi Lift	UK	R2 Access Platforms	07799 118462	R2 Access Platforms	+44 7799 118 462	www.r2access.com
Eddielift	UK	Edmolift	01440 730640	Edmolift	+44 1440 730640	www.edmolift.co.uk
Edmolift	UK	Edmolift	01440 730640	Edmolift	+44 1440 730640	www.edmolift.co.uk
ELS Makine	Turkey	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.utility-equipment.com
Faraone	Italy	Promax Access	01226 716657	Cherry Picker	01 835 4788	www.promaxaccess.com
Genie	USA	Genie UK	014765 84333	Genie Europe	+44 1476 584333	www.genielift.co.uk
HAB	Germany	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.colle.eu
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Holland Lift	Holland	AJ Access	01291 421155	AJ Access	+44 1291 421155	www.accessplatforms.com
Hy-Brid	Holland	Collé	+31 46 457 41 02	Collé	+31 46 457 41 02	www.hybridlifts.com
Iteco/Imer	Italy	Cumberland Platforms	01536 529876	Cumberland Platforms	+44 1536 529876	www.cumberlanduk.co.uk
JLG	USA-Belgium	JLG Industries UK	01616 541000	Access Platform Sales	+44 1480 891251	www.jlgeurope.com
JCH	China	Wanted	+86 10615 39210	Wanted	+86 10615 39210	www.jchic.com
Kreitzler	Germany	Direct	+49 23026 98418	Direct	+49 23026 98418	www.kreitzler.de
Leguan	Finland	Avant Tecno UK	01953 714896	Direct	+358 3347 6400	www.leguanlifts.com
Liftlux	Belgium	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
Manitou	France	Manitou UK	01202 825331	Manitou UK	+44 1202 825331	www.uk.manitou.com
Mantall	China	Wanted	+86 513 8390 5158	Wanted	+86 513 8390 5158	www.mantall.com
MEC	USA	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Mieve	Spain	Direct	+34 9798 08036	Direct	+34 9798 08036	www.mieve.es
Nagano	Japan	Kemp Hoogwerkers	+31 30669 1091	Kemp Hoogwerkers	+31 30669 1091	www.kemphoogwerkers.nl
Noblift	China	Noblift Europe	+49 9401 607930	Noblift Europe	+49 9401 607930	www.noblifteurope.com
Omega	Holland	Direct	+31 174 525990	Direct	+31 174 525990	www.omegaplatforms.nl
Oxley Group	Italy	Direct	+39 171 857036	Direct	+39 171 857036	www.oxley.es
PB Liftechnik	Germany	Russon Access	01384 444630	Russon Access	+44 1384 444630	www.russonaccess.com
PLE	UK/USA	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Pop-Up Products	UK	Pop-Up Products	01244 833933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Power Towers	UK	Power Towers	01162 001757	Power Towers	+44 1162 001757	www.powertowers.co.uk
Sinoboom	China	Seeking Dealer	+86 731 8711 6222	Seeking Dealer	+86 731 8711 6222	www.sinoboom.com
Skyjack	Canada	Skyjack UK	01691 676235	Skyjack UK	+44 1691 676235	www.skyjack.com
Snorkel	UK/USA	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Tadano	Germany	Direct	+81 33621 7750	Direct	+81 33621 7750	www.tadano.co.jp
Youngman	Taiwan	Youngman/APS	01621 745900	Youngman/APS	+44 1480 891251	www.iapsgroup.com

VEHICLE MOUNTED LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Ascendant	UK	Ascendant Access	0191 4879933	Ascendant Access	+44 191 4879933	www.ascendantaccess.com
Aldercote	UK	APS	01480 891251	APS	+44 1480 891251	www.aldercote.com
Altec	USA	Aldercote	01482 222377	Aldercote	+44 1482 222377	www.aldercote.com
Barin	Italy	Direct	+39 4959 71300	Direct	+39 4959 71300	www.barin.it
Benelli gru	Italy	Direct	+39 522 969756	Direct	+39 522 969756	www.benelligrupp.it
Bizzocchi	Italy	CTE UK	01162 866743	CTE UK	+44 1162 866743	www.ctelif.com
Böcker	Germany	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Bronto Skylift	Finland	Ian James	07884 497267	Ian James	+44 7884 497267	www.bronto.fi
Bronto Fire Platforms	Finland	Angloco	01924 441212	Angloco	+44 1924 441212	www.angloco.co.uk
Cautrac	UK	Direct	01206 273111	Direct	+44 1206 273111	www.cautrac.com
Cela	Italy	Direct	+39 3098 84084	Direct	+39 3098 84084	www.cela.it
CMC	Italy	Spiderlift	08702 255554	Spiderlift	+44 8702 255554	www.spiderlift.co.uk
Co.M.e.T	Italy	Affordable Access	01794 521177	Wanted	+39 051 687 8711	www.officincomet.it
CTE	Italy	CTE UK	01162 866743	CTE UK	+44 1162 866743	www.ctelif.com
Cushman	USA	Direct	+1 7067 984311	Direct	+1 7067 984311	www.cushman.com
Easy Lift	Italy	Cumberland Platforms	01536 529876	Cumberland Platforms	+44 1536 529876	www.cumberlanduk.co.uk
France Elevateur	France	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.utility-equipment.com
GSR	Italy	GSR UK	0743 6301355	GSR UK	+44 743 6301355	www.gsrspa.it
Hinowa	Italy	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Isoli	Italy	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Klaas	Germany	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.utility-equipment.com
Klubb	France	Cumberland Platforms	01536 529876	Cumberland Platforms	+44 1536 529876	www.cumberlanduk.co.uk
Movex	Spain	Seeking Dealer	+34 9384 93777	Seeking Dealer	+34 9384 93777	www.movexlift.com
Multitel-Pagliari	Italy	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Niftylift	UK	Niftylift	01908 223456	Niftylift	+44 1908 223456	www.niftylift.com
Nostolift	Finland	Direct	+358 4002 44040	Direct	+358 4002 44040	www.nostolift.fi
Oil&Steel	Italy	Mantis Access	01388 74892	Mantis Access	07491 4974 7	www.mantisaccess.com
Pagliari	Italy	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Pfallinger Platforms	Germany	SkyKing	01858 467361	SkyKing	+44 1858 467361	www.kingtrailer.co.uk
PC Produzioni	Italy	Direct	+39 3387 674786	Direct	+39 3387 674786	www.manotti.eu
Ruthmann	Germany	Access Sales International	08718 714284	Access Sales International	+44 8718 714284	www.asionline.co.uk
Sky Aces	Italy	SkyKing	01858 467361	SkyKing	+44 1858 467361	www.kingtrailer.co.uk
SkyKing	UK	Direct	01858 467361	Direct	+44 1858 467361	www.kingtrailer.co.uk
Socage	Italy	Cumberland Platforms	01536 529876	Cumberland Platforms	+44 1536 529876	www.cumberlanduk.co.uk
Talleres Velilla	Spain	Seeking Dealer	+34 9384 93777	Seeking Dealer	+34 9384 93777	www.movexlift.com
Tecchio	Italy	Wanted	+39 4299 0648	Wanted	+39 4299 0648	www.techiosrl.com
Terex Utilities	USA	Cumberland Platforms	01536 529876	Cumberland Platforms	+44 1536 529 876	www.cumberlanduk.co.uk
Teupen	Germany	Teupen UK	03301 025686	Teupen UK	+44 3301 025686	www.teupen.com
Versalift	UK	Versalift UK	01536 721010	Versalift UK	+44 1536 721010	www.versalift.co.uk

TRAILER MOUNTED LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Bil-Jax	USA	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Böcker	Germany	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Custers	Holland	Hi-Lift Access	01623 474154	Hi-Lift Access	+44 1623 474 154	www.hi-lift.co
Denka	Germany	Rothlehner	+49 8724 96010	Rothlehner	+49 8724 96010	www.rothlehner.de
Dinoliift	Finland	Direct	+358 2017 72400	Direct	+358 2017 72400	www.dinoliift.com
Emminghaus	Germany	Direct	+49 5264 64640	Direct	+49 5264 64640	www.emminghaus.de
Europeliift	Hungary	Direct	+36 209 474767	Direct	+36 209 474767	www.europeliift.com
Genie	USA	Genie UK	01476 584333	Genie Europe	+44 1476 584333	www.genieliift.co.uk
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
JLG	USA-Belgium	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
Klaas	Germany	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.utility-equipment.com
Matilsa	Spain	Hi-Lift Access	01623 474154	Seeking Dealers	+34 976 294547	www.matilsa.es
Niftylift	UK	Niftylift	01908 223456	Niftylift	+44 1908 223456	www.niftylift.com
Ommeliift	Denmark	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Paus	Germany	UNIC Cranes Europe	01844 202071	GGR Group	+44 1844 202 071	www.unic-cranes.co.uk
PLE	USA	Direct	+1 605 763 2945	Direct	+1 605 763 2945	www.portableliftequipment.com
Snorkel	UK/USA	Snorkel UK	0845 1550 057	Snorkel	0845 1550 057	www.snorkelliifts.co.uk
Teupen	Germany	Teupen UK	03301 025686	Teupen UK	+44 3301 025686	www.teupen.com
Thomas Hoogwerkers	Belgium	Direct	+32 5237 1005	Direct	+32 5237 1005	www.thomas-hoogwerkers.be

PUSH AROUND LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Airo	Italy	Aerial & Handling Services	01737 844896	Aerial & Handling Services	+44 1737 844896	www.aerialhandlingservices.com
Alarina	Spain	Direct	+34 950 315643	Direct	+34 950 315643	www.alarina.es
Big Astor	Italy	Direct	+39 011 6051743	Direct	+39 011 6051743	www.bigastor.it
Bil-Jax	USA	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Bison Products	UK	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Böcker	Germany	Lancastria Hoists	0161 777 9009	Lancastria Hoists	+44 1617 779009	www.lancastria-group.co.uk
Custom Equipment	USA	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.hybridlifts.com
Dingli	China	Dingli UK	07794 052601	Dingli UK	+44 7794 052601	www.dingliplatformsales.co.uk
Eazzliift	UK	R2 Access Platforms	07799 118462	R2 Access Platforms	+44 7799 118 462	www.accessaccess.com
Eddieliift	Italy	Edmolift	01440 730640	Edmolift	+44 1440 730640	www.edmolift.co.uk
Edmolift	UK	Edmolift	01440 730640	Edmolift	+44 1440 730640	www.edmolift.co.uk
ELS Makine	Turkey	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.utility-equipment.com
Faraone	Italy	Promax Access	01226 716657	Cherry Picker	+44 1226 716657	www.promaxaccess.com
Genie	USA	Genie UK	01476 584333	Genie Europe	+44 1476 584333	www.genieliift.co.uk
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Hugo	UK	HLS	01132 878446	HLS	+44 1132 878446	www.hls.co
Hy-Brid	USA	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.hybridlifts.com
Iteco/Imer	Italy	Cumberland Platforms	01536 529876	CLM Construction	+44 1215 225930	www.cumberlanduk.co.uk
JLG	USA-Belgium	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
Kuli/Kempkes	Germany	Wanted	+49 2191 4340	Wanted	+49 2191 4340	www.kuli.com
Mantall	China	Wanted	+86 513 8390 5158	Wanted	+86 513 8390 5158	www.mantall.com
Mieve	Spain	Direct	+34 9798 08036	Direct	+34 9798 08036	www.mieve.es
Pop-Up Products	UK	Pop-Up Products	01244 833933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Power Scissor	UK	Russon Access	01384 444630	Russon Access	+44 1384 444630	www.accessplatformcompany.co.uk
Power Towers	UK	Power Towers	01162 001757	Power Towers	+44 1162 001757	www.powertowers.co.uk
ReechCraft	USA	Russon Access	01384 444630	Russon Access	+44 1384 444630	www.accessplatformcompany.co.uk
Sidewinder	UK	Russon Access	01384 444630	Russon Access	+44 1384 444630	www.accessplatformcompany.co.uk
Snorkel	UK	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkelliifts.co.uk
Youngman	Taiwan	Youngman/APS	01621 745900	Youngman/APS	+44 1480 891251	www.iapsgroup.com

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SPIDERLIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Airo	Italy	Aerial & Handling Services	01737 844896	Aerial & Handling Services	+44 1737 844896	www.aerialandhandlingservices.com
ATN	France	Anglian Access Services	01733 343900	Anglian Access Services	+44 1733 343900	www.angliaaccess.co.uk
Benelli gru	Italy	Direct	+39 522 969756	Direct	+39 522 969756	www.benelligrui.it
Bluelift	Italy	HLS	01132 878446	HLS	+44 1132 878446	www.hls.co.uk
Böcker	Germany	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Cela	Italy	Direct	+39 3098 84084	Direct	+39 3098 84084	www.cela.it
Cormidi	Italy	UNIC Cranes Europe	01844 202071	GGR Group	+44 1844 202071	www.unic-cranes.co.uk
CMC	Italy	Spiderlift	08702 255554	Spiderlift	+44 8702 255554	www.spiderlift.co.uk
CTE	Italy	CTE UK	01162 866743	CTE UK	+44 1162 866743	www.ctelif.com
Dinolift	Finland	Direct	+358 2017 72400	Direct	+358 2017 72400	www.dinolift.com
Easy Lift	Italy	SkyKing	01858 467361	SkyKing	+44 1858 467361	www.kingtrailers.co.uk
Hinowa	Italy	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Imer	Italy	Cumberland Platforms	01536 529876	Cumberland Platforms	+441536 529876	www.cumberlanduk.co.uk
Jekko	Italy	JT Cranes	01767 677155	JT Cranes	+44 1767 677155	www.jtcranes.co.uk
JLG	USA-France	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
Leader	Italy	Wanted	+39 0522 619270	Wanted	+39 0522 619270	www.leader-piatt.it
Leguan	Finland	Avant Tecno UK	01953 714896	Direct	+358 3347 6400	www.leguanlifts.com
Multitel	Italy	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Niftylift	UK	Niftylift	01908 223456	Niftylift	+44 1908 223456	www.niftylift.com
Oil&Steel	Italy	Urban Access	01202 593411	Urban Access	+44 1202 593411	www.urban-access.co.uk
Ommelift	Denmark	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Pagliero	Italy	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Palazzani	Italy	TCA Lifting	0845 603 5360	TCA Lifting	+44 845 603 5360	www.poweredaccess.com
Palfinger	Austria	SkyKing	01858 467361	SkyKing	+44 1858 467361	www.kingtrailers.co.uk
PC Produzioni	Italy	Direct	+39 3387 674786	Direct	+39 3387 674786	www.manotti.eu
Platform Basket	Italy	Promax Access	01226 716657	Promax Access	+44 1226 716657	www.promaxaccess.com
Ruthmann	Germany	HLS	01132 878446	HLS	+44 1132 878446	www.hls.co.uk
Sinoboom	China	Seeking Dealer	+86 731 8711 6222	Seeking Dealer	+86 731 8711 6222	www.sinoboom.com
Socage	Italy	Cumberland Platforms	01536 529876	Cumberland Platforms	+44 1536 529876	www.cumberlanduk.co.uk
TCA Lift	Denmark	Urban Access	01202 593411	Urban Access	+44 1202 593411	www.urban-access.co.uk
Teupen UK	Germany	Teupen UK	03301 025686	Teupen UK	+44 3301 025686	www.teupen.com

MASTCLIMBERS & HOISTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Ahler	Spain	BFT Mastclimbers	01525 853575	BFT Mastclimbers	+44 1525 853575	www.bftmastclimbing.com
Alba	Spain	Wanted	+34 944 711 600	Wanted	+34 944 711 600	www.alba.es
Alimak	Sweden	Alimak Hek	01933 354700	Alimak Hek	+44 1933 354700	www.alimakhek.com
AS Climber	Spain	Direct	+34 916 918 580	Direct	+34 916 918 580	www.asc climber.com
Böcker	Germany	Lancastria Hoists	0161 777 9009	Lancastria Hoists	+44 1617 779009	www.lancastria-group.co.uk
Camac	Spain	Direct	+34 937 771 050	Direct	+34 937 771 050	www.camacs.com
Electroelsa	Italy	Direct	+39 057 791 3401	Direct	+39 057 791 3401	www.electroelsa.com
Euroscalf	Italy	Direct	+39 042 374 6732	Direct	+39 042 374 6732	www.euroscalf.it
Encomat	Spain	Direct	+34 916 280 056	Direct	+34 916 280 056	www.encomat.com
Fixator	France	Direct	+33 241 311 700	Direct	+33 241 311 700	www.fixator-lift.com
Fraco	Canada	Fraco UK	01895 262215	Fraco UK	+44 1895 262215	www.fraco.co.uk
Geda	Germany	Mace Industries	01536 206600	Direct	+49 906 9809-0	www.maceindustries.co.uk
George Taylor Lifting Gear	UK	Direct	01922 457916	Direct	+44 1922 457916	www.gtlifting.co.uk
Goian	Spain	Wanted	+34 943 804 001	Wanted	+34 943 804 001	www.goian.com
Haki	Sweden	Haki UK	01827 282525	Haki UK	+44 1827 282525	www.haki.co.uk
Hek	Holland	Alimak Hek	01933 354700	Alimak Hek	+44 1933 354700	www.alimakhek.com
Hydro Mobile	Canada	Wanted	+1 888 484 9376	Wanted	+1 888 484 9376	www.hydro-mobile.com
Maber	Italy	Imer Direct UK	01215 225930	Maber	+39 444 660 872	www.imerdirect.com
MP-Haki	Sweden	Haki UK	01827 282525	Haki UK	+44 1827 282525	www.haki.co.uk
Piat	Italy	Direct	+39 041 927 824	Direct	+39 041 927 824	www.platvideasrl.com
Raxtar	Holland	NTP Hoist Spares	01484 300503	NTP Hoist Spares	+44 1484 300503	www.hoistspares.co.uk
Rovers	Italy	Wanted	+39 089 772 4134	Wanted	+39 089 772 4134	www.rovers.it
Safi	Italy	Direct	+39 042 363 9321	Direct	+39 042 363 9321	www.safi.it
Saltec	Spain	Direct	+34 9765 71737	Direct	+34 9765 71737	www.saltectorgar.com
Scanclimber	UK	Direct	+358 10 680 7000	Direct	+358 10 680 7000	www.scanclimber.com
Steinweg	Germany	Lancastria Hoists	0161 777 9009	Lancastria Hoists	+44 1617 779009	www.lancastria-group.co.uk
SMEA.N.	Italy	Wanted	+39 081 250 84210	Wanted	+39 081 250 84210	www.smean.it
Stros	Slovakia	Direct	+420 318 842 369	Direct	+420 318 842 369	www.stros.cz
Torgar	Spain	Direct	+34 9765 71737	Direct	+34 9765 71737	www.saltectorgar.com

TRANSPORT TRAILERS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Andover Trailer	UK	Direct	01264 358944	Andover Trailers	+44 1475 522261	www.andovertrailers.co.uk
Broshuis	Holland	Broshuis Trailers UK	01858 432502	Broshuis Trailers UK	+44 1858 432502	www.broshuis.com
Goldhofer	Germany	Andover Trailers	01264 358944	Andover Trailers	+44 1475 522261	www.andovertrailers.co.uk
Ifor Williams	UK	Local Network	0843 216 7447	West-Wood Trailers	045 87 6053	www.iwt.co.uk
Kässbohrer	Turkey	Tinsley	01642 784279	Tinsley	+44 1642 784279	www.tinsleyspecialproducts.com
King	UK	King Trailers	01858 467361	King Trailers	+44 1858 467361	www.kingtrailers.co.uk
Nicolas	France	Munro Commercial	01704 897003	Munro Commercial	+44 1704 897003	www.munrocommercial.com
Nooteboom	Holland	HSE Nooteboom	01536 204233	HSE Nooteboom	+44 1536 204233	www.hse-nooteboom.com
Faymonville	Belgium	Traffco	01536 206915	Ashbourne Truck Centre	01835 0573	www.faymonville.com
Schuler & Schlömmer	Switzerland	Wanted	+41 854 7000	Wanted	+41 854 7000	www.schuler-schuler.ch
Tinsley	UK	Tinsley	01642 784279	Tinsley	+44 1642 784279	www.tinsleyspecialproducts.com

MOBILE ACCESS TOWERS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Aliscaff	UK	Aliscaff	01279 406270	Aliscaff	+44 1279 406270	www.alistage.co.uk
Alto	UK	Alto Tower Systems	08451 776644	Alto Tower Systems	+44 8451 776644	www.alto-towers.co.uk
Altrex	UK	Pop-Up Products	01244 833933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Big Astor	Italy	Wanted	+39 116 051 743	Wanted	+39 116 051 743	www.bigastor.it
Clow	UK	Clow Group	01415 546272	Clow Group	+44 141 554 6272	www.clowgroup.co.uk
Eiger Tower	UK	Pop-Up Products	01244 833 933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Euro Towers	UK	Euro Towers	01604 644774	Euro Towers	+44 1604 644774	www.eurotowers.co.uk
Faraone	Italy	Promax Access	01226 716657	Cherry Picker	+44 1226 716657	www.faraone.com
Frigerio	Italy	Wanted	+39 035 525 115	Wanted	+39 035 525 115	www.eng.frigeriospa.com
Haki	Sweden	Haki UK	01827 282525	Haki UK	+44 1827 282525	www.haki.co.uk
Instant UpRight	Ireland	Planet Platforms	0800 0854 161	F.A.S.T Scaffold	01830 8133	www.planetplatforms.co.uk
Layher	Germany	Layher UK	01462 475100	Layher UK	+44 1462 475100	www.layher.co.uk
Lyte Industries	UK	Lyte Industries	01792 796666	Lyte Industries	+44 1792 796666	www.lyteladders.co.uk
Monkey Tower	UK	Monkey Tower	01277 356172	Monkey Tower	+44 1277 356172	www.monkeytower.co.uk
Pop-Up Products	UK	Pop-Up Products	01244 833 933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Pyrascaf	UK	Pyrascaf	07818 558379	Pyrascaf	01830 7328	www.pyrascaftd.com
Svelt	Italy	Wanted	+39 035 681663	Wanted	+39 035 681663	www.svelt.it
Turner Access	UK	Turner Access	01413 095555	Turner Access	+44 141 309 5555	www.turner-access.co.uk
Werner	UK	Werner UK	01621 745 900	Werner UK	+44 1621 745900	www.wernerco.com
Youngman	UK	Youngman/APS	01621 745900	Youngman/APS	+44 1480 891251	www.iapsgroup.com
Zarges	Germany	Zarges UK	01908 641118	Zarges UK	+44 1908 641118	www.zargesuk.co.uk
Zip-Up	Ireland	Planet Platforms	0800 0854161	F.A.S.T Scaffold	01830 8133	www.planetplatforms.co.uk

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LIFTING GEAR

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Al-Vac	Denmark	Al-vec UK	08702 418772	Al-vec UK	+44 8702 418772	www.al-vac.co.uk
Baltrotors	Latvia	Approved Hydraulics	0854 4770 7969	Approved Hydraulics	+44 854 4770 7969	www.approvedhydraulics.co.uk
Bakker Hydraulic	Holland	Approved Hydraulics	0854 4770 7969	Approved Hydraulics	+44 854 4770 7969	www.approvedhydraulics.co.uk
Conquip	UK	Conquip	0845 520 1102	Conquip	+44 0845 520 1102	www.cqgroup.com
Enerpac	USA	Enerpac	01215 050787	Enerpac	+44 1215 050787	www.enerpac.com
Hydrospeex	Netherlands	Enerpac	01215 050787	Enerpac	+44 1215 050787	www.enerpac.com
Lift Systems	USA	Claxton International	01244 661000	Claxton International	+44 1244 661000	www.claxtoninternational.co.uk
Modulift	UK	Modulift UK	01202 621511	Modulift UK	+44 1202 621511	www.modulift.com
Probst	UK	Probst Handling Equipment	01939 235325	Probst Handling Equipment	+44 1939 235325	www.probst-handling.co.uk
Scanlift	UK	Scanlift	01206 396111	CMH	04587 6225	www.scanlift.co.uk
Smartlift	Denmark	Beemold	07584 354526	Beemold	+44 7584 354526	www.beemold.com
Sumner	USA	Sumner Lift UK	01905 458333	Sumner Lift UK	+44 1905 458333	www.sumner.com
Unitex	USA	Ridge Gear	01538 384108	Ridge Gear	+44 1538 384108	www.ridgegear.com
Wienold Lift	Germany	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Winlet	Denmark	Hird	01482 227333	Hird	+44 1482 227333	www.hird.co.uk/winlet

TELEHANDLERS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Ausa	Spain	Ausa UK	07970 639988	Ausa UK	+44 7970 639988	www.ausa.com
Bobcat	France	Bobcat UK	01942 266880	Montana Plant Sales	01401 8844	www.bobcat.eu
Case	Italy	Case Construction	01302 802802	Case Construction	+44 1302 802802	www.casece.com
Caterpillar	Belgium	Finning UK	01530 249605	Finning Ireland	01464 3500	www.finning.co.uk
Claas	Germany	Claas UK	01284 763100	Claas UK	+44 1284 763100	www.claas.com
Deutz	Belgium	Deutz AG	01543 438900	Deutz AG	+44 1543 438900	www.deutz-fahr.com
Dieci	Italy	Dieci Telehandlers UK	01258 817997	Dieci	+44 2830 821230	www.dieci-telehandlers.co.uk
Doosan	France	Bobcat UK	020 87230161	Montana Plant Sales	01401 8844	www.bobcat.eu
Faresin	Italy	Metcalfe's Ag	01995 61166	MP Crowley (Cork)	02148 76733	www.faresindustries.com
Genie	Italy	Genie UK	01476 584333	Genie Europe	+44 1476 584333	www.tdtequipment.com
Giant	Holland	Purcell Plant	+353 45 859 916	Purcell Plant	0353 45 859 916	www.tobroco.nl
Giraf Track	Belgium	UNIC Cranes Europe	01844 202071	GGR Group	+44 1844 202071	www.unic-cranes.co.uk
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Jakob Fahrzeugbau	Switzerland	Not Distributed	+41 71 411 67 60	Not Distributed	+41 71 411 67 60	www.jakobfahrzeugbau.ch
JCB	UK	JCB	01889 590312	JCB	+44 1889 590312	www.jcb.co.uk
JLG	Belgium	JLG Industries UK	01616 541000	JLG Industries UK	+44 1616 541000	www.jlg.com
Kramer	Germany	Kevin Walker	01845 577832	Claas UK	+44 1284 763100	www.krameralrad.co.uk
Landini	Italy	Agriargo UK	01302 755550	D&S Machinery	01450 7377	www.agriargouk.com
Liebherr	Austria	Liebherr GB	01767 602100	Liebherr GB	01458 76 50	www.liebherr.co.uk
Lull	USA	JLG Industries UK	01616 541000	JLG Industries UK	+44 1616 541000	www.jlg.com
Magni	Italy	Magni Industries	08442 645900	Magni Industries	+44 8442 645900	www.magnith.com
Manitex (Lowry)	Canada	Pooler LMT	01952 770189	Pooler LMT	+44 1952 770189	www.pooler-lmt.com
Manitou	France	Manitou UK	01202 825331	Manitou UK	+44 1202 825331	www.uk.manitou.com
Merlo	Italy	Merlo UK	01425 480806	Merlo UK	+44 1425 480806	www.merlo.co.uk
MST	Turkey	Direct	+902 1645 30400	Direct	+902 1645 30400	www.mst-tr.com
MultiOne	UK	Ranger Equipment	0870 225 5554	Ranger Equipment	+44 870 225 5554	www.spiderlift.co.uk
Neuson Kramer	Germany	Kevin Walker	01845 577832	Claas UK	+44 1284 763100	www.krameralrad.co.uk
New Holland	Italy	New Holland Construction	01268 292423	New Holland Construction	+44 1268 292423	www.newholland.com
Pettibone	USA	Direct	+1 800 467 3884	Direct	+1 800 467 3884	www.gopettibone.com
Saez	Spain	Direct	+90216 577 75 55	Direct	+90216 577 75 55	www.saezkulevincieri.com
Sennebogen	Germany	EH Hassell & Sons	01782 644299	MAC Machinery	07491 56708	www.hassells.com
Skytrak	USA	JLG Industries UK	01616 541000	JLG Industries UK	+44 1616 541000	www.jlg.com
Snorkel	UK/USA	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Terex	Italy	TDL Equipment	08444 994499	TDL Equipment	+44 8444 994499	www.tdtequipment.com
VersaLift	USA	Pooler LMT	01952 770189	Pooler LMT	+44 1952 770189	www.pooler-lmt.com
VHS Manirail	Holland	Direct	+31 4973 31033	Direct	+31 4973 31033	www.vhsbladel.nl
Wacker Neuson	Germany	Wacker Neuson	01785 785700	Ferrybridge	0514 45834	www.wackerneuson.co.uk
XCMG	China	Cannon XCMG	02881 659709	Cannon XCMG	+44 2881 659709	www.cannonxcmg.co.uk
Xtreme	USA	Snorkel UK	0845 1400 758	Snorkel	+44 845 1400 758	www.snorkellifts.co.uk

DISCONTINUED BRANDS

Manufacturer	Status	Spare Parts	UK Telephone	Website
ABM	Acquired by Haulotte	Haulotte UK	01952 292753	www.haulotte.co.uk
Aerial	Absorbed into Tanfield then Snorkel	Snorkel UK	0191 4871311	www.snorkellifts.co.uk
Condor	Part of Time International	Versalift UK	01536 721010	www.versalift.co.uk
Coles	Absorbed by Grove	Manitowoc UK	01895 430053	www.manitowoc.com
Esda Fahrzeugwerke	Closed due to insolvency	Closed due to insolvency		Closed due to insolvency
Falck Schmidt	Acquired by TCA Lift	Urban Access	01202 593411	www.urban-access.co.uk
Gradall Telehandlers	Absorbed into JLG	JLG Industries UK	01616 541000	www.jlg.com
Grove Manlift	Acquired by JLG	MinnPar	+1 6123 790606	www.minnpar.com
Iron Fairy	Jones Cranes Ltd	Jones Cranes Ltd	01273 494020	www.jonescranes.co.uk
Jones	Jones Cranes Ltd	Jones Cranes Ltd	01273 494020	www.jonescranes.co.uk
Kesla	Aerial lifts acquired by Nostolift	AJ Access Ltd	01291 423930	www.accessplatforms.com
Lionlift	Absorbed into PC Produzioni	PC Produzioni	+39 3387 674786	www.manotti.eu
Luna	Suspended manufacturing	Luna	+34 974 21 10 20	www.lunaei.es
Pinguely	Haulotte Group	Haulotte UK	01952 292753	www.haulotte.co.uk
RAM	Acquired by Ruthmann	Access Sales International	08718 714284	www.afonline.co.uk
Simon	Self-Propelled business acquired by Terex	Genie UK	01476 584333	www.genielift.co.uk
SkyHigh	Acquired by Servi-Tec	Holland Lift	+31 2292 85555	www.hollandlift.com
Strato Lift	Closed	MinnPar	+1 612 379 0606	www.minnpar.com
SUP Elefant	Rebranded as CMC	Spiderlift	08702 255554	www.spiderlift.co.uk
UpRight	Rebranded as Snorkel	Snorkel UK	0845 1550 057	www.snorkellifts.co.uk

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COMPONENTS ACCESSORIES & PARTS

Manufacturer	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
3B6	3B6 UK	01482 227333	3B6 UK	+44 1482 227333	www.hird.co.uk/3b6
AGS	Falcon Crane	01362 821048	Casey Group	04548 5240	www.falcon-crane-sales-hire-uk.com
Air-Seal Products	Direct	01823 674411	Direct	+44 1823 674411	www.air-sealproducts.com
AlturnaMATS	GreenTek	01132 677000	GreenTek	+44 1132 677000	www.greensward.co.uk
Aluxbeams	Direct	+358 2 880 3000	Direct	+358 2 880 3000	www.aluxbeams.com
Amber Valley Devel	Direct	0116 240 2968	Direct	+44 1162 402968	www.amber-valley.co.uk
Ashtree Glass	Direct	01274 546732	Direct	+44 1274 546732	www.ashtreeglass.co.uk
Autec	Wanted	+39 0444 901000	Wanted	+39 0444 901000	www.autesafety.com
Ascorel	Direct	+1 877 717 2253	Direct	+1 877 717 2253	www.ascorel.com
Boscaro	Wanted	+39 444 866 520	Wanted	+39 444 866 520	www.boscaroitalia.com
BFL Alimats	Alimats	01335 345111	Alimats	+44 1335 345111	www.craneriggermats.co.uk
BPE	IFCOM UK	01236 770033	IFCOM UK	+44 1636 676794	www.bpe.it
Braden Winch	Koppen & Lethem	01636 676794	Koppen & Lethem	+44 1636 676794	www.koppen-lethem.co.uk
Butti Lifting Equipment	Direct	+035 787300	Direct	+035 787300	www.butti.it
Carl Stahl Evita	Carl Stahl Evita	0845 226 0819	Carl Stahl Evita	+44 845 226 0819	www.carlstahlcvita.co.uk
Casar Pfeifer	Pfeifer Drako	01270 587728	Wire Ropes	0404 67375	www.pfeifer.co.uk
Cautrac	Direct	01206 273111	Direct	+44 1206 273111	www.cautrac.com
Cavotec	Cavotec UK	01642 608245	Cavotec UK	+44 1642 608245	www.cavotec.co.uk
Cobo	Hird	01482 227333	Hird	+44 1482 227333	www.peter-hird.co.uk
Conquip	Conquip	0845 2015030	Conquip	0845 2015030	www.conquipindustrial.com
Crosby	Crosby UK	01226 290516	Crosby UK	+44 1226 240118	www.thecrosbygroup.com
Crown Batteries	Shield Batteries	01279 652067	Shield Batteries	+44 1279 652067	www.shieldbatteries.co.uk
Curtiss-Wright	Penny + Giles Controls	01495 202000	Penny + Giles Controls	+44 1495 202000	www.cw-industrialgroup.com
Custom Brakes & Hydraulics	Direct	0114 276 7971	Direct	+44 114 276 7971	www.custombrakes.co.uk
C-Tech Industries	TVH UK	024 7658 5000	Direct	+1 513 860 9311	www.tvh.com
Dakota Shine	Future Products	01623 635171	Future Products	+44 1623 635171	www.futureproductsltd.com
Deutz	Deutz UK	01543 438900	Deutz UK	+44 1543 438900	www.deutzuk.com
Double Coin Tyres	Kirby Tyres	0870 242 8800	Kirby Tyres	+44 870 242 8800	www.kirkbytyres.co.uk
Dyno	Dyno Europe	+32 5661 7977	Dyno Europe	+32 5661 7977	www.dynoeurope.com
Dynamic Oil	Direct	+39 059 812 601	Direct	+39 059 812 601	www.dinamicoil.it
Eco Outrigger Pads	Outrigger Pads	01952 671403	Outrigger Pads	+44 1952 671403	www.outriggerpads.co.uk
Elebia	Elebia	0845 838 7584	Elebia	+44 845 838 7584	www.elebia.co.uk
Eve	Direct	08700 767676	Direct	+44 8700 767676	www.evetrakway.co.uk
Gantic	Alfa Access Services	0800 193 0045	Direct	+47 553 15531	www.alfa-access-services.com
Gearmatic	Koppen & Lethem	01636 676794	Koppen & Lethem	+44 1636 676794	www.koppen-lethem.co.uk
G. Fluid	Wanted	+39 059 828543	Wanted	+39 059 828543	www.gfluid.com
Goodyear Dunlop	Goodyear UK	01213 066000	Goodyear Ireland	0162 38500	www.goodyear.eu
Ground-Guards	Direct	0113 267 6000	Direct	+44 113 267 6000	www.ground-guards.co.uk
GT Trax	Direct	01487 823344	Direct	+44 1487 823344	www.gttrax.co.uk
Gunnebo	Gunnebo Industries	01527 522560	Gunnebo Industries	+44 1527 522560	www.gunneboindustries.co.uk
Hatz	Hatz GB	01455 622100	Hatz GB	+44 1455 622100	www.hatzgb.co.uk
HBC-radiomatic	HBC-radiomatic UK	01215 036920	HBC-radiomatic UK	+44 1215 036920	www.hbc-radiomatic.co.uk
Hetronic	Hetronic Great Britain	0845 0046938	Hetronic Great Britain	+44 845 0046938	www.hetronic.co.uk
Hirschmann	Pat Krüger	01889 580101	Pat Krüger	+44 1889 580101	www.pat-kruger.co.uk
HookCam	Compact Lifting Equipment	01482 351546	Compact Lifting Equipment	+44 1482 351546	www.compactlifting.com
IGUS	IGUS UK	01604 677240	IGUS UK	+44 1604 677240	www.igus.co.uk
Ikusi	Ind. Remote Cont. Sys.	01207 583890	Ind. Remote Cont. Sys.	+44 1207 583890	www.ikusi.co.uk
Imet	Simbal	01298 813883	Simbal	+44 1298 813883	www.simbal.net
Imo	Direct	+49 9193 63950	Direct	+49 9193 63950	www.goimo.com
Independent Parts & Service	IPS	01952 607660	IPS Ireland	0429 339500	www.iapsgroup.com
Interpump Hydraulics	Interpump Hydraulics UK	01384 292861	Interpump Hydraulics UK	+44 1384 292861	www.hydrocaruk.com
Knott	Knott	01283 531541	Knott	+44 1283 531541	www.knottuk.com
Kubota	Kubota UK	01844 214500	Kubota UK	+44 1844 214500	www.kubota.co.uk
Loadlift	Loadlift	01255 671187	Loadlift	+44 1255 671187	www.loadlift.com
Lombardini	Lombardini UK	01865 863858	Lombardini UK	+44 1865 863858	www.lombardini.co.uk
LSI	Load Systems UK	01224 392900	Load Systems UK	+44 1224 392900	www.loadsystems.com
Lyon Equipment	Lyon Equipment	01539 626250	Lyon Equipment	+44 1539 626250	www.lyon.co.uk
Magna Tyres	Direct	+31 416 675 220	Direct	+31 416 675 220	www.magnatyres.com
Magnetek	Magnetek UK	01234 349191	Magnetek UK	+44 1234 349191	www.magnetek.com
Michelin	Michelin Tyre Company	01782 402000	Michelin Tyre Company	+44 1782 402000	www.michelin.co.uk
Mitas Tyres	Mitas Tyres	01553 817740	Mitas Tyres	+44 1553 817740	www.mitas.eu
Moba	MOBA Mobile Automation	01844 293220	MOBA Mobile Automation	+44 1844 293220	www.moba.de
Morooka	Causeway Tractors	01206 273111	Causeway Tractors	+44 1206 273111	www.cautrac.com
Nylacast	Nylacast	01162 768558	Nylacast	+44 1162 768558	www.nylacast.com
Optima Batteries	4 Leaf Batteries	01953 881330	4 Leaf Batteries	+44 1953 881330	www.optimabatteries.co.uk
Orlaco	Cranesafe	01483 894136	Cranesafe	+44 1483 894136	www.orlaco.com
OTR Wheel Engineering	OTR Europe	01159 303322	OTR Europe	+44 1159 303322	www.otrwheel.com
PAT Pat	Krüger	01889 580101	Pat Krüger	+44 1889 580101	www.pat-kruger.co.uk
Penny + Giles	Penny + Giles Controls	01202 409499	Penny + Giles Controls	+44 1202 409499	www.pennyandgiles.com
Petzi	Lyon Equipment	01539 626250	Lyon Equipment	+44 1539 626250	www.lyon.co.uk
Probst	Probst Handling Equipment	01939 235325	Probst Handling Equipment	+44 1939 235325	www.probst-handling.co.uk
QW Wheels	Direct	0845 3005561	Direct	+44 1594 847173	www.qwheels.co.uk
Rayco-Wylie	Rayco-Wylie Systems UK	01424 421235	Rayco-Wylie Systems UK	+44 1424 421235	www.raycowylie.com
RB Components	Direct	+34 976400421	Direct	+34 976400421	www.rbcomponents.com
Remdevice	Direct	01282 871187	Direct	+44 1282 871187	www.gbcontrols.co.uk
Rösler	Rösler UK	01514 820444	Wanted	+49 4218 022700	www.roesler.com
SafetyLiftinGear	Direct	0808 1236969	Direct	+44 808 1236969	www.safetyliftinggear.com
Sarum Mats	Sarum Hardwood	01264 811600	Sarum Hardwood	+44 1264 811600	www.sarumhardwood.co.uk
Scanreco	Koppen & Lethem	01636 676794	Koppen & Lethem	+44 1636 676794	www.koppen-lethem.co.uk
Secatol Skips	Whitney Engineering	01785 282811	Whitney Engineering	+44 1785 282811	www.whitneyeng.com
Sensor Systems	Wanted	+39 030 700 0916	Wanted	+39 030 700 0916	www.sensorsystems.it
Sevcon	Electric Vehicle Systems	01914 161286	Electric Vehicle Systems	+44 1914 161286	www.evsystems.co.uk
SFL Mobile Radio	Direct	01513 349160	Direct	+44 1513 349160	www.sflmobileradio.co.uk
Smie	Cranesafe	01483 894136	Cranesafe	+44 1483 894136	www.smie.com
SpanSet	SpanSet UK	01606 737494	SpanSet UK	+44 1606 737494	www.spanset.co.uk
Standfast	Direct	01287 633220	Direct	+44 1287 633220	www.standfastcorp.eu
Sunfab	Sunfab UK	0844 257 8900	Hi-Power	02143 01742	www.hipower.ie
Tagattach	Direct	07919 227680	Direct	+44 7919 227680	www.tagattach.net
Tecsis	Direct	+49 6958 060	Direct	+49 6958 060	www.tecsis.de
Tele radio	Tele Radio UK	0844 77 666 87	Tele Radio UK	0844 77 666 87	www.tele-radio.com
Thermoil	IPS	01952 607660	IPS Ireland	0429 339500	www.iapsgroup.com
Timbermat	Direct	0844 800 9560	Direct	0844 800 9560	www.timbermat.co.uk
TireSocks	Eurogate International	02476 100346	Eurogate International	+31 523 638 286	www.eurogate-international.com
TMC Lifting Supplies	Direct	01733 211339	Direct	+44 1733 211339	www.tmc-lifting.com
Trackunit	Direct	+45 9673 7400	Direct	+45 9673 7400	www.trackunit.com
Trimble Lifting Solutions	Trimble Lifting Solutions	01224 392900	Trimble Lifting Solutions	+44 1224 392900	www.loadsystems.com
Trojan Batteries	Platinum Batteries	01618 760057	Platinum Batteries	+44 1618 760057	www.platinumbatteries.co.uk
TVH Group	TVH UK	02476 585 000	TVH UK	+32 5643 4571	www.tvh.com
UE Components	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.utility-equipment.com
US Batteries	Manbat Batteries	01743 460790	Manbat Batteries	+44 1743 460790	www.manbat.co.uk
Unitex	Unitex Group	01538 384108	Unitex Group	+44 1538 384108	www.unitex.org
Universal Cranes Mats	Direct	01623 653588	Direct	+44 1623 653588	www.universal-crane-mats.com
Welex	Welex Rental	01785 713675	Welex Rental	+44 1785 713675	www.welexrental.co.uk
Zenith	Batteries Direct	+31 615 868 045	Direct	+31 615 868 045	www.zenithcbattery.com
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Pick & carry alternatives

C&A pick & carry



The new tracked nine tonne Valla 90TRX can pick & carry its maximum capacity

Our industrial crane feature a year ago featured pick & carry cranes and to be perfectly honest there have been few significant developments when thinking of the traditional European industrial crane produced by manufacturers such as Ormig Valla, Galizia and JMG.

What has changed however is the growth in other types of equipment capable of picking and carrying a load. Of course there have been new models from the 'traditional' manufacturers. One of these - sold in the UK by local distributor Hird - is the bespoke Valla 90TRX on tracks, designed and built specifically for customer Halifax-based Northern Escalator Installations, for working on escalator and elevator installations. Slotting between the five tonne Valla 55TRX and the 12 tonne 120DTRX the new 90TRX has an eight metre, four section main boom and a three metre jib option with up to 15 degrees of offset.

Measuring just 3.4 metres long and 1.74 metres wide it has an overall height of 2.35 metres. These first two units are powered by LPG,

but options also include diesel and battery electric. Although the new crane has no slew ring, the fact that it can virtually turn on the spot and certainly within its own length, helps overcome the fact in the applications that it targets.

Hird has also delivered two battery electric Valla cranes - a 12 tonne 120E and an 18 tonne 180E to Portsmouth-based lifting and rigging company Rapid Response Solutions. The cranes have 10 metre hook heights, non-marking tyres, hydraulic luffing jibs and custom-made carry frame. They went straight to work, with the 120E operating alongside the company's new 300 tonne hydraulic skidding system, while the 180E was used to support the set-up of the company's MegaLift system.

Managing director Paul Barber said: "The range of mobile cranes with

The Kato CR-350RI can pick & carry up to 9.5 tonnes at up to three metres radius



pick & carry duties is dwindling and our dated Iron Fairy yard cranes are becoming a thing of the past. Traditionally this market would have been met by the Iron Fairies with diesel engines, but these modern cranes are far more compact, battery powered and have non-marking tyres."

Interesting alternatives

As can be seen in the feature on page 17, the latest Kato City cranes also offer a decent pick & carry capability - the CR-350Ri for example can pick & carry up to 9.5 tonnes at up to three metres radius.

It can also handle half a tonne at 13 metres with a travel speed of two kilometres an hour.

The relative demise of the City crane over the past decade has meant that companies looking for a road-going 'pick & carry' crane were forced to look elsewhere, with some opting for the articulated Terex-Franna cranes, although they are very substantial machines dimensionally speaking. Another alternative that appears to be growing is the spider crane. Previously there have been relatively few tracked spiders that could pick & carry a load - the



Rapid Response's new 18 tonne Valla 180E with MegaLift



Bauma saw the introduction of the new, compact all-electric Gcar-crane from South Korean company Komac



The Terex Franna cranes were one of the few recent road-going pick and carry cranes



The new Maeda MC805 - seen here at Vertical Days - can lift and carry one tonne

ORMIG

PICK and CARRY



The 7.5 tonne Jekko SPX275 CDH can pick & carry a useful two tonnes



Maeda MC405 almost stood alone among the breed with a limited 500kg carry capacity. But Maeda has now added another model with its recently launched eight tonne MC805 which can lift and carry up to 1,000kg. However there is another new entrant into this sector - the 7.5 tonne Jekko SPX275 CDH - which can pick & carry a useful two tonnes.

The Jekko is in a similar size category as the new MC805 and although it is nominally half a tonne smaller it can lift 1.5 tonnes at a 10 metre radius, 100kg more than the MC805. For working in confined spaces the Jekko has the advantage of being more compact, as well as having a significantly smaller extended outrigger spread of 4.067 metres by 4.067 metres compared to 6.52 by 6.77 metres for the MC805.

Another new Jekko

Jekko has also introduced a new electric pick & carry crane, the five tonne Minipicker MPK50 which joins the new MPK25. The MPK50

has a maximum lift height of eight metres and can lift at a radius of up to 4.5 metres and has a partial slew capability. The battery powered unit is fully radio remote controlled and features a front load stabilisation bar to support loads when travelling. Jib options will also be available.

All-electric Komac

The carry deck crane is another pick and carry alternative most popular in North America. Bauma saw the introduction of the new, compact all-electric Gcar-crane from South Korean company Komac. Claiming to be the world's only production 'all-electric carry deck crane' the company has two models in its range - the 4500 and the 9000.

Both can work either free on tyres or on A frame outriggers giving



The five tonne MPK50 has a maximum lift height of eight metres

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The new Jekko MPK25

maximum lift capacities of 2,990kg on tyres and 4,240kg on outriggers, for the 4500 and 4,120kg and 8,160kg respectively for the 9000. These figures are maximum lifts to the front of the crane, reduced slightly if lifting to the side or rear.

The compact 4500 has a total length of 4,268mm, an overall width of 1,588mm and height of 2,206mm. The deck height is 874mm and has a 2,720kg maximum capacity. The three section main boom is 8.2 metres long and is topped by a swingaway extension, with offsets of zero, 25 and 50 degrees giving a maximum tip height of 10.2 metres. Power is supplied by 20kW drive motors using 72 volt, 300Ah batteries, with an eight hour charge giving an operating time of about three hours. Maximum speed is five kilometres per hour, and the unit features an integrated LMI monitor built-into the guard-protected driver station. Overall weight is four tonnes.

The larger Gcar-crane 9000 has a maximum lifting capacity on tyres and outriggers of 4,120kg and 8,160kg respectively. At almost double the weight (7,695kg) the 9000 is about 1.5 metres longer, two metres wide with a deck height of just over a metre. Travel speed is considerably faster at 14 kilometres an hour and the main boom is 9.1 metres long, with the swingaway taking the tip height to 11.55 metres. Options include a man basket.

Grove upgrades

Keeping with the carry deck solution, Grove is upgrading its line

Grove is upgrading its line of carry deck cranes throughout this year and into 2017 with Tier 4 Final engines.



of carry deck cranes throughout this year and into 2017 with Tier 4 Final engines that comply with the latest North American emissions standards. The new cranes will adopt a GCD prefix, reflecting Grove Carry Deck. The first new crane in the series will be the 25 ton GCD25 with a Cummins QSB4.5L Tier 4 Final engine.

The new crane features a 21.5 metre boom with optional 5.2 metre extension for a maximum tip height of 28 metres. It has four wheel drive and four wheel steer and a four-position pivoting boom nose for work in applications with low head room clearance. Additional stability comes from four beam and jack outriggers with a multiple position set-up to suit confined areas and yet maximise capacity where space permits.

CE Smart-Rig

US-based Smart-Rig Cranes has launched a CE certified version of its S1 micro crane called the S1 Global. The tiny crane has a maximum capacity of 885kg, a six metre manual telescopic three-

US-based Smart-Rig Cranes has launched a CE certified version of its S1 micro crane called the S1 Global



section boom giving a 5.5 metre hook height. The unit is battery powered, has an overall width of just 800mm, overall weight is only 660kg and it can pick & carry its full load chart. In addition to conforming fully to CE standards, the S1 Global also complies with all applicable standards in the USA, Canada, Australia and New Zealand.

The S1 Global also uses the same fold-out outriggers, pull-back water tank counterweight and three-piece manual pull-out boom as the standard S1 crane. Features include a hoist with 30 metres of rope, along with a number of aesthetic and safety updates including a



The tiny crane has a maximum capacity of 885kg, a six metre manual telescopic three-section boom giving a 5.5 metre hook height

tilt sensor alarm, weatherproof on-board charger, rear brakes, auto brake on winch and dual safety stops on the boom.

Founder and chief executive Josh Clark said: "The S1 Global has zero emissions, low noise levels and mobility for rooftop lifting, indoors or outdoors or tight spaces. The product functions for many industries that need portability including glass installation, HVAC, aircraft, maintenance, construction, vehicle motor and parts repair and many more."

Hooka solution

We first reported on the launch of the Hooka pick & carry crane from Hook-Up Solutions at last year's Vertical Days. It would appear the compact unit is finding a niche in the market particularly when used for moving bulk building materials. The 1.5 tonne capacity Hooka has a 700mm longer boom giving it a maximum lift height of more than three metres. This makes it easier to lift and place bulk-bags or pallet material onto the carry deck.

The unit features an integrated load-lock - secured by rear side restraints and by the front outriggers when in the travel position. Weighing 1,700kg the crane uses a Hinowa tracked chassis, which at a metre wide is able to navigate most narrow paths.

One of its recent applications included helping on a 10 week contract to renovate a canal lock in the Worcester basin for the Canals and River Trust in the UK. The Hooka was employed to unload bulk materials and pallets of bricks that had been delivered to site, before moving them directly to their point of use, saving double handling, manual lifting, time and money.

The old broken up stonework was then carried away by the machine in dumpy bags and transferred straight onto the waste-away tipper truck.

Replacement 350kg coping stones were then installed with the Hooka transporting them to the edge of the canal, before carefully lowering them into position alongside the rigging team. The unit dramatically cut and in some cases eliminated heavy manual handling, helping to minimise the risk of back injury, and also moved materials as diverse as 650kg packs of eight metre long canal damming timbers and 500kg packs of Harris fencing.

Timbers about to be loaded on to the CRT barge



Moving 500kg Harris fencing



Completing the coping stones

Another record breaker!

Once again Vertikal Days at Haydock Park surpassed all expectations. A slight layout re-jig improved the experience for the record numbers of exhibitors and visitors, reinforcing its position as one of Europe's leading crane, aerial work platform and telehandler events. Joining the many regular exhibitors were a large number of newcomers particularly suppliers of ancillary products and services.

Despite horrendous weather forecasts, the equipment Gods were smiling for most of the two day 10th anniversary event, with rain coming after the show closed on day one and then for the last two hours of day two.

With more than 200 brands and exhibitors on show it is impossible to do justice to them all. There were several new product launches, even though Bauma was just a month or so before, while many other products made their UK debut. There was also a good buzz at the show, particularly on day one when record numbers attended, bolstered by events such as the CPA 'Stars of the Future' and 'My Future My Choice'.

As usual there was a lot of business conducted, with deals being done right across the equipment spectrum. Visitors were also asked to vote on the forthcoming EU referendum which was happening

for real the following week. At the time the results were a surprising victory for the Leave camp recording 58.7 percent of the 600 votes out of the 2,400 visitors. This perhaps should have prepared us for the unexpected result of the actual referendum a week later.

With an impossible number of products, deals and awards to cover here, we have, as usual, defaulted to a comprehensive pictorial review. However even with the space given for this extended feature, we are bound to miss some so apologies in advance. New products will be covered in more detail in the regular features that appear in Cranes & Access over the coming year.

If you attended, we hope you enjoyed the event, if you didn't, we hope that the review has piqued your interest enough to visit next year.



The sun did shine at this year's Vertikal Days



The Versalift stand



Valla 75HD



Snorkel A46JRT



Valla 20XT D on the Hird stand



Weinold GML 800+2

TCA Lifting takes delivery of a Jekko SPX 1275 spider crane



Teupen Leo 23 GT



Ormig 5.5 tM E on the Crowland Cranes stand



Nifty HR28 Hybrid 4x4



Tadano ATF 60G-3



A couple of Liebherr ATs purchased by Bryn Thomas Cranes and Emerson



Spierings SK1256-AT6 60m jib sold to Bernard Hunter Cranes



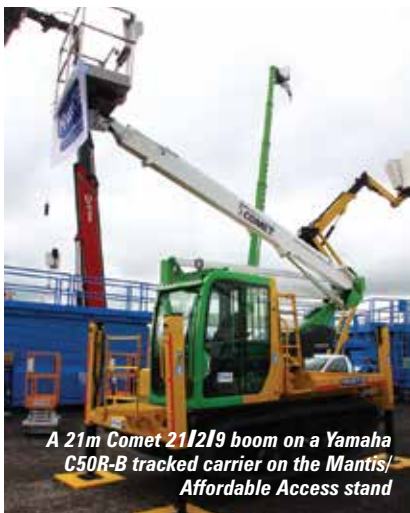
A stack of Nolim outrigger mats



Snorkel had a variety of products on show including the SL26SL



New 27 metre Platform Basket 27.14 on Promax stand



A 21m Comet 211219 boom on a Yamaha C50R-B tracked carrier on the Mantis/Affordable Access stand



Terex 100 tonne AC 100-4L sold to NMT Crane Hire



The H.A.B 99ft 320-12E is just 1.2 metres wide yet offers a 32m working height



Skyking's Mark Carrington and Mark Yarnold in front of the new 90 metre Palfinger P900



Nic Hamilton with Alan Peck of Kranlyft



Magna Crane tyres



Ixolift 400 - a new push around with four metres working height



Skyking 15 metre van mount - the EV150



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Rod Abbott (ex NRC Plant) and his wife June visiting the show



Gapo GA16



A Smartlift Outdoor Giant glass robot



Genie GTH 3007 telehandler with the new Z60-37FE in the background



An Effer 685 sold to County Lifting



The well stocked Skyjack stand



City Lifting's Artic Crane Raptor 84 articulated tower crane



A crane or access man of the future admires the equipment



A pair of Galizia pick and carry cranes - a G150E and the G20



Palfinger's new 15 metre spider lift, the P150 ATPK



Nic Hamilton at Stars of the Future



Alimak's new Hek MC 450 mastclimber and Scando 65-32 passenger hoist



One of two new Maeda MC 815 spider cranes sold to Lift Mini Cranes



The 20 metre Italian built Ram truck mount is now the Ruthmann Ecoline RS20



Sennebogen 655E sold to Thomas Armstrong Aggregates with a 643 behind



My Future my Choice children collect their goody bags from the Liebherr stand

**MEC 4069 GSE electric
4x4 scissor lifts**



Jeko SPX60



A forest of booms greets visitors



**Dazzled on the
Nolim Mats stand**



Music for at the Cocktail party



The Clan Wallace Pipe and drum band at the networking event

**My Future My Choice crane
making workshops**



Faraone Elevah 40



**A large spreader
beam on the Lifting
GearUK stand**

The JCB 560-80



The CPL stand with the 14m A314



Dinolift 220XSE



**The Liverpool Clan Wallace
Pipe and drum band**



**OTR had a wide selection
of tyres and wheels**



**The sky threatened but held
off till late on day two**

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Mitas displayed a range of its cross-ply and radial tyres



My future My Choice



Kato's Hiroshi Ide (L) with Colin Cleary of Rivertek



Models in the entrance tent



IPAF's Tim Whiteman (L) takes a selfie



Record numbers visited the show



The new Sunward mini crawler crane on the GGR stand



JT Cranes staff



Torrential rain after day one turned into a balmy party night



MEC 6092RT



Kato's 20 tonne CR200Ri on the Rivertek stand



Kobelco sold a CKE900G-2 to Q Plant - Mike Gregory with Mark Evans of Kobelco UK



Liebherr AT line-up



Leguan 165 on a specially modified trailer allowing the lift to extend the outriggers without dismounting



IPAF demonstrated the dangers of loading and unloading equipment



JLG stand featured the world's largest boom lift the 1850SJ



Manitou highlighted its new Man'Go 12 boom lift

Kobelco
CKE1100G



C&a

Vertikal Days



Custom Equipment's scissor lifts on the Hybrid Access Platforms stand



A JCB work platform



Hinowa Lightlift 15.70 - the first time in the UK



GSR launched its new UK direct sale operation



A busy Marketplace



Hewden's new operations director of cranes - Eddie George



GT Lift Solutions' Magni RTH5.39S - at 39 metres the world's highest reaching telehandler



Link-Belt's TCC500 and TCC1400 telescopic crawler cranes

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Shedding Tiers

C&A

engines

The subject of engine emissions has dominated construction equipment development - both on and off road - for the past decade or more. It was thought that there might have been a 'breather' after Tier 4 was introduced for off road equipment a year or so ago, but with Stage V looming, the whole industry is once again going to have to ramp up to deal with yet another stricter regulation. We take a look at the detail and do our best to clarify it.

Emission legislation in Europe (although this constant upgrading is not limited to Europe) is controlled by the Non-Road Mobile Machinery (NRMM) directive 97/68/EC - which dates back to 1997 - together with five amendments, the latest being 2012/46/EU in 2012. These standards outline gradually more stringent levels or tiers known as Stage I to Stage V. The first four stages are regulated by 97/68/EC and its amendments, however for Stage V - a new regulation currently under discussion - will be introduced from 2019. The earlier standards have followed or mirrored those in the USA, however Stage V is European driven and will mean that Europe has the strictest legislation of all the low emission countries - at least for a while.

USA standards

The first standards (Tier 1) in the US for off-road diesel engines were adopted in 1994 and applied to engines with an output of more than 37kW. This was phased in from 1996 to 2000 with increasingly stringent Tier 2 and Tier 3 standards introduced from 2000 to 2008. Tiers 1 to 3 were met through improved engine design with limited use of exhaust after-treatment. However,

Stage 5 legislation will be introduced from 2019.

in 2004 the US Environmental Protection Agency (EPA) launched Tier 4 - introduced from 2008 to 2015 - which did require Particulate Matter and NOx to be reduced by a further 90 percent. This could only be achieved using exhaust gas after-treatment. Although the sulphur content of off-road diesel fuels was not limited by environmental regulations at Tier 1 to 3, Tier 4 off-road engines were subject to reductions of 15 ppm - requiring ultra-low sulphur diesel - which came into effect in 2010.

European standards

Stage III and IV standards were adopted in 2004. Stage III was further divided into IIIa and IIIb and phased in from 2006 to 2013 with Stage IV from 2014. Stage III and IV legislation only applied to new vehicles and equipment - replacement engines for machinery already in use only had to comply with the rules in force when it was delivered.

What is mobile machinery?

But what is meant by non-road mobile machinery? The US is clearer on this than Europe. If it moves or is on wheels then it is mobile - if the equipment does not move for more than 12 months it is not. In the EU it is more a design intent so if the equipment is built into the basement of a building it is not moving or

A single module after treatment.



going to move and therefore not covered by the regulation. But anything that is designed to be moved - even a cracking rig which may stay in one place for three years but then move - is classified as mobile. This also includes temporary or mobile generators.

Why Stage V?

According to EU figures, engines on Non-Road Mobile Machinery contribute significantly to air pollution and are responsible for roughly 15 percent of the nitrogen oxide (NOx) and five percent of the particulate matter emissions in the EU. Several technical reviews have concluded that in its current form the legislation has shortcomings, particularly by leaving out some engine categories. Also new emission stages were last introduced when it was amended in 2004 and no longer reflect the current state of technology.

Finally, there is recent conclusive evidence on the adverse health effects of diesel exhaust emissions and especially particulate matter (i.e. diesel soot). One of the main findings is that the size of the particles is a crucial factor and this can only be addressed limiting values that are based on a particle number count. Therefore, in-line with developments in the car and truck sector, Stage V will target particle number limits in addition to particle mass limits. The objective is to progressively reduce the emissions and to phase out polluting equipment.

The Commission adopted the 'Proposal for a Regulation on requirements relating to emission

limits and type-approval for internal combustion engines for non-road mobile machinery' on 25 September 2014. The proposed measures will cut emissions of major air pollutants from engines in non-road mobile machinery and will cut the complexity of the legal framework in the sector. The new regulation will replace 28 national laws and will repeal the current extremely complex directive that comprises 15 Annexes and has been amended eight times since its adoption in 1997.

Development since Stage III

Since 2011 off-highway engines have required after-treatment of some sort or another, depending on the power output. The industry has been nervous of the introduction of after-treatment with many saying it would be a disaster for the construction equipment industry. Tier IIIa engines before after-treatment were highly fuel-efficient and robust and customers were happy. However the new engines with after-treatment had to be introduced to comply with Tier IV interim and Tier IV final yet still need to be reliable, durable and fuel efficient.



A retro-fitted DPF



Engine manufacturer Cummins has carried out numerous engine comparisons, more than 10,000 hours of medium duty applications, measuring 230 parameters both with and without after-treatment. It has found that a Stage IIIa (2011) engines improved efficiency by five percent and the 2014 after-treatment engines improved overall efficiency by eight to 10 percent with a much improved - up to 40 percent - improvement in fuel efficiency. Engines have more power and use less fuel and there is no difference in reliability before and after, even when adding in all the complexity.

The legislative proposal for Stage V started in September 2014 and is currently going through the political and legal process and so may well change. But why is Europe pushing for Stage V when the US is currently not planning to do more? According to Richard Payne, Cummins off-highway regulatory affairs director, Europe it is because virtually all European Union member states have air quality problems.

"At least 17 are facing infractions - legal action, because air quality is not meeting European environmental standards," he said. "Those member states are pushing to bring in legislation. Passenger cars and trucks have improved with Euro 6 and the contribution of construction equipment to air quality problems - particularly in cities - is increasing. So member states want to see this solved, in particular a reduction in particulate matter and specifically the relatively small equipment that tends to be prevalent in cities."

As mentioned earlier, the size of the particulate is a crucial factor and this can only be addressed reducing the particle number count (ie PN limit). Stage V plans to target particle number limits in addition to particle mass limits. Experience with cars and trucks has shown that it is difficult to measure particulate matter by conventional means and this is made easier when identifying the number of particles. This rule

however will force the use of a diesel particulate filter (DPF). The EU would never mandate this, however changing from the mass of particulates coming out of the engine to the number count method means that there is currently no other way of achieving it.

The limits are also being reduced from 0.25 to 0.15 grammes per kW/hour - not a huge drop but it will result in a small benefit and still a realistic level to measure on a filter. The end result would be the same because when fitted with a DPF a figure of around 0.0015 would be achieved. There is also a focus on smaller particles - 2.5 microns rather than 10 microns - as the smaller particles have been identified as more damaging to health. With the latest DPF engines the amount of particulates being emitted from the engine is about the same as the background count which means that when driving in a polluted city the engine actually cleans the air.

What is a DPF?

As exhaust gases flow through Diesel Particulate Filter, the filter captures soot and particulates and converts them, in a process called regeneration, into harmless CO₂ and that goes out of the system through a Selective Catalytic Reduction (SCR) which creates a secondary catalytic reaction. There are two types of regeneration processes - Passive through normal operating temperatures and Active which occurs at higher temperatures and requires the dosing of diesel exhaust fluids. This happens less than one percent of the operating time and has no impact on the equipment or need any input from the operator. Tier 4 and Tier 4 final engines with DPFs are generally compliant with Stage V

Using a DPF and the technology available today will capture all particulate matter and meet Stage V limits. However, engine manufacturers will use the latest legislation as an opportunity to take the technology further. Proposed introduction dates of Stage V is January 2019, with engines between 56-130kW coming a year later.

Main changes?

While some of the detail (or even the main points) may change or be amended as the legislation is 'discussed' by the various member



As part of the London Best Practice Guidance which affects NRMM (Non Road Mobile Machinery), it is a requirement that most machines operating in London are fitted with an emissions after-treatment device such as a DPF

states, the main points are currently as follows:

- All engines are included in Stage V from 0 to infinity power output rather than the 19kW to 560kW currently required
- No older engines will be allowed to be built as regulators were unhappy with the amount of older engines coming on the market
- OEMs will not be allowed to stockpile older technology engines for use at a time in the future.
- Engines must be installed within one year of purchase and sold within six months.
- Particulate matter is measured by particle count rather than mass
- A reduction in the complexity of the legal framework

The move to include small diesel engines brings the EU regulations in line with the US Tier 4. Stage IIIa and Stage IIIb will move to Stage V. As with all new EU legislation what is proposed is not necessarily what will be implemented. There are various aspects of Stage V that will trigger major discussions. One deals with replacement engines, which under the new proposals would have to be upgraded to the latest requirements and not be rebuilt. Currently if the engine stays the same it can retain the older technology. However, there is a big lobby trying to get this changed. One of the big problems will be the engine reconditioning businesses. For owners and operators it would have severe consequences if they cannot buy a new 'old tech' engine for existing equipment, while rebuilds take longer than an engine change. Fixed speed engines such as generators at stage IIIa will also have to catch up with variable speed engines.

Finally, there is the low emissions world - currently North America, Europe, Japan and Korea - and the rest of the world. The low emissions world has tended to have roughly the same emissions legislation and if anything North America has up to this point led the way. However, this looks set to change with Stage V with Europe driving the latest regulations.

Possible user implications?

But what will Stage V mean to the man in the street? Well when buying a new machine there should be little difference in real world operation. Obviously the engine will be more fuel efficient and emit less pollutants, but as with all the other engine legislation changes machines will need to have at least as a good performance, in this case that might be achieved within the existing power units, rather than requiring a move to a larger engine. Whether Stage V engines will be more expensive with the addition of DPFs and the new technology remains to be seen, but early indications oddly suggest not.

For OEMs this will mean another redesign to accommodate at least a bulky DPF or other after-treatment paraphernalia. With the latest legislation affecting lower output engines this will be particularly challenging on small compact machines, such as spider lifts and spider cranes etc. Whether this will spur the move towards more battery powered and hybrid machines, remains to be seen. And with familiar technology being used for Stage V to that of Tier 4 and Tier 4a, the technical knowledge for maintenance and servicing should be no more cumbersome than the current requirements. Hopefully as manufacturers perfect their Stage V engines reliability and maintenance should also be as good if not better. If past experience is anything to go by the need to incorporate a new engine will also spur on other new developments to the equipment.

So all in all the outcome for the end user could be much more positive than first indications suggest.

A cutaway of a DPF



A Liebherr engine with gas after treatment system.

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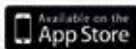


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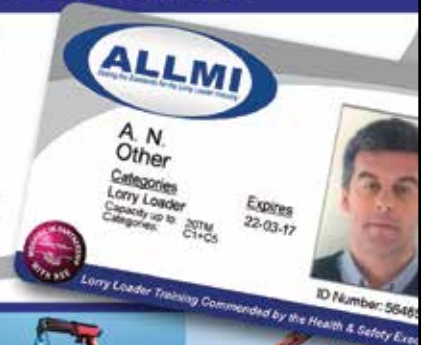
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ALLMI Accreditation for Eddie Stobart

Eddie Stobart, one of the largest privately owned transport companies in the UK, has put two of its leading instructors through the ALLMI Instructor Course.

The company's training manager, Chris Grice, said: "Safety is at the heart of operations for Eddie Stobart; it's engrained in everything we do and that's why we've chosen to use the ALLMI scheme for our operators. I have been operating and instructing on lorry loaders for 15 years and consider myself to be a very capable and skilled trainer,

who works to exceptionally high standards. Attending this Course has further increased my level of expertise in this area and has adapted my knowledge perfectly towards delivering the ALLMI scheme. In addition, ALLMI's training aids and materials are extremely comprehensive and the support they have provided



has been superb. We are now looking forward to delivering the programme across our operator

network, and forging a strong relationship with ALLMI."

ALLMI Operators' Forum - 10 Years

Although ALLMI was established in 1978, it only ever granted membership to manufacturers, service companies and ancillary equipment suppliers until 2006. It then opened its doors to fleet owners by establishing its Operators' Forum. The move has proved to be a great success and one which has played a key role in the growth and development that ALLMI has experienced since then.



Tom Wakefield of ALLMI said: "In 2005, we received interest from several fleet owners regarding membership, and this coincided with discussions we were already having concerning ways in which we could expand the association and be more effective in achieving our aim of raising standards throughout the lorry loader industry. The solution was obvious and in February 2006 we held the inaugural meeting of the Operators' Forum. Since then it has gone from strength to strength and now comprises around half of the membership. There is no doubt that having fleet owners on board facilitates a greater interchange of ideas and opinions, which further improves our ability to identify and address the key issues affecting safety and good practice."

Executive Committee since its inception. He said: "As our company undertakes hundreds of lorry loader operations every day, this is a sector which is crucial to our business. We therefore joined the Operators' Forum because we were looking for a body to provide us with representation on lorry loader related issues, but what we have ended up with has far exceeded our expectations. Being a part of ALLMI provides fleet owners with the strongest collective voice in the UK lorry loader industry, but there is also so much more to be gained from membership. The advice and support it provides on technical and legislative matters is excellent, as are the training courses. And even though we had a good reputation in relation to safety, we have seen our credibility further enhanced by being part of the association and bearing its logo."

Elliott Group is a founder member of the Forum, and SHEQ manager, Brian Sutherland, has sat on its

If you run a fleet of lorry loaders and would like to know more about membership, contact ALLMI.

ALLMI Membership Event 2016

Momentum continues to build for this year's Membership Event, which takes place at the Forest of Arden Marriott Hotel & Country Club in Meriden on 5th October. The Event will see representatives from manufacturers, service companies, fleet owners, site operators and ancillary equipment suppliers, come together to discuss and debate topical industry issues.

Proceedings will begin with lunch, followed by separate membership meetings for the two divisions within the association. Delegates will then come together for a presentation from Sue Husband, director of the National Apprenticeship Service, followed by dinner and light entertainment.

ALLMI chairman, Mark Rigby said: "This is yet another exciting development in ALLMI's ongoing efforts to engage with members. As always, both meetings will contain comprehensive updates on important industry issues, as well as major projects being undertaken throughout this year. Delegates will also break into discussion groups, to encourage lively and constructive debate. In addition, we are looking forward to another social event in the evening, with great networking opportunities, made all the more enjoyable by live music from award winning jazz pianist, David Newton, as well as a set from leading stand-up comedian, Gary Marshall, who will also act as compère for the night. There will also be a number of important, but light-hearted, fundraising activities to raise money for the Lighthouse Club."



Images from the ALLMI Membership Event 2015



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Record turnout at Yorkshire regional meeting

Close to 70 people attended IPAF's Yorkshire regional meeting in May, which was hosted by Ben Hirst, managing director of Horizon Platforms, and which was devoted to the key theme of health and safety. The presentations started with some live theatre from Emma Currie, managing director of Acting Up, who performed a highly engaging piece called "Gails Shoes: A powerful tale of a marriage struggling to cope in the aftermath of an accident".

Other presentations were given by Kevin Appleton, chairman of Horizon Platforms, who shared his thoughts on leadership and how a disciplined approach to behaviours

relating to health and safety can ultimately save lives, and Darren Sutton, managing director of BSST, who presented some practical tools from the IOSH Accredited Safety



Behavioural Training programme to assist lead positive change in all types of behaviours, not just those linked to

The next regional meeting will be

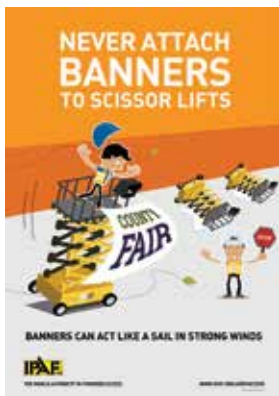
held on 28 September 2016 in the South East and will be hosted by Nationwide Platforms.

Be wary of banners on scissors

IPAF is urging organisers and exhibitors of fairs and festivals not to attach banners to scissor lifts, as this can create a sail-effect and destabilise the lift causing it to overturn.

Scissor lifts are a safe way to perform work at height when used properly, however, they are not designed to hold banners or advertisement boards. Some scissor lifts are designed for indoor use only at zero wind speed. Those designed for outdoor use may also be at risk of being blown over if left in an elevated position when the maximum safe wind speed is exceeded.

More details about IPAF's safety initiatives, technical guidance and training programmes are at www.ipaf.org



A free IPAF poster warns of the risks.



Large banners on scissor lifts can cause overturns

IPAF eLearning wins support

IPAF's new generation of learning tools and eLearning module were launched in the UK this year and have been met with a positive response from the industry. One of the early converts was IPAF member and training centre AFI, which had members of staff take the eLearning module.

AFI director and IPAF deputy president Nick Selley said: "I was keen to undertake the new eLearning module to support the initiative and to ensure that the new course meets expectations, which it certainly does. eLearning offers more flexibility because it can be done in the office or at home."

After finishing the eLearning module and passing the theory test, Selley took the practical element of the course to complete the operator training programme and receive his PAL Card (Powered Access Licence).

Brian Kirkbride, AFI training operations manager also completed the training and added: "The IPAF eLearning package is a very successful method of learning. The package is designed in a way that meets all preferred learning styles and as such would be beneficial to learners with different cognitive methods of learning. The graphics are of a very high standard and enhance the learning experience. The programme is user-friendly and that will promote the willingness to learn. Trainees can go back over a section as many times as they want until they understand that part, rather than feel too embarrassed to ask question in a group setting. All in all, it is a very proactive move in the right direction".

On the IPAF course (L-R) John Harrison, IPAF senior instructor for AFI, Nick Selley and Brian Kirkbride.



Irish Council elections

Julie Smyth of Highway Plant was re-elected as chairman of the IPAF Irish Council and Paul McHugh of Euro Access elected vice chairman at a meeting held in Dublin in April, which saw one of the largest turnouts so far. The meeting was also attended by Aisling Davis, construction policy inspector from the Health & Safety Authority, Ireland, who shared with members a synopsis of the HSA's training policy for aerial work platforms.

The Irish Council brings together IPAF members from Northern Ireland and the Republic to address issues of common interest.

First speakers announced for Europlatform

Confirmed speakers for this year's Europlatform conference include: Alice Henault Deprez of Loxam Access, Sören Ladig of Klickrent and Eline Oudenbroek of Holland Lift. The event will take place on 22 September at the Park Hyatt Hotel in Vienna, Austria. A networking event will be held on 21 September in the Park Hyatt Hotel's penthouse.

More details can be found at www.europlatform.info



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Annual Members' Meeting 2016

C&A

PASMA

PASMA held its Annual Members' Meeting in Birmingham on 1 July with chairman, Carl Evans, and managing director, Peter Bennett, opening the meeting by reporting on another busy and successful year for the association, both in the UK and internationally.



In his address, Evans referred to the pace of life in general, but in particular to the pace of change at PASMA as it develops and evolves to maintain its commitment to be the lead industry body in the mobile access tower sector, and to better

serve both its members and the industry at large.

Bennett expanded on the theme of the event: 'Working smarter through innovation' and spoke of the enhancements to PASMA's online training registration portal, the introduction of project management software to speed and simplify the activities of the association's committees, and the introduction of a Knowledge Transfer Partnership (KTP) project to create a virtual learning environment.

Technical director, Don Aers, reported on the work in hand to develop the product standards that underpin the industry, while training



committee chairman, Steve Booker, looked forward to the imminent release of further advanced training modules, including 'Towers with bridging units' and 'Linked towers and facades'.

Finally, the chairman of the hire and assembly committee, Richard Fairfield, explained the principal aims of his committee. First, to improve and validate the quality of the people working in the sector. Second, to further raise the quality of the work being undertaken.

Third, to ensure that practitioners adhere to a common methodology, and fourth, to grow the market for advanced tower configurations.

Delegates also heard from Andy McGrovy of the Health & Safety Executive, and the managing director of Hire Association Europe, Graham Arundell, who expanded on the closer links between his association and PASMA following the signing of the recent Memorandum of Understanding by the two organisations.



2016 Annual Review

PASMA's 16 page Annual Review 'Making safety work' is now available. It reports on the association's activities, both in the UK and overseas, which now include South Africa, the Middle East and South East Asia.

It also lists all PASMA's members and includes sections on PR and marketing, training and guidance, and the contribution of the association to the work of the Access Industry Forum (AIF). It is available at www.pasma.co.uk



Good show!

Alongside other trade associations and federations in the Access Industry Forum, PASMA exhibited at the Safety & Health Expo at ExCeL in London last month.

The show was well attended with visitors from all sectors of industry and construction with an interest in working at height coming along to learn more about the latest standards, guidance and height safety training. Exhibiting with PASMA were ATLAS, BSIF, EPF, FASET, IPAF, IRATA, the Ladder Association, SAEMA and WAHSA.



Implementing Change and Innovation in Work at Height

That's the ambitious title of the Access Industry Forum's first national conference which will take place on 13 October at the Holywell Park Conference Centre in Loughborough.

Dedicated exclusively to the future of height safety, the Forum has assembled a diverse line up of expert speakers from industry and academia. From drones to designing for access, they will address the issues and topics, trends and developments set to shape the work at height agenda over the coming months and years.

Speakers include Philip White, head of operational policy and strategy at the Health & Safety Executive, Steffan Groch, chairman of the Health and Safety Lawyers' Association, Paul Bussey, chairman of the Designers' Initiative on Health



and Safety, Dylan Roberts, director of health, safety and wellbeing at Skanska UK, John Dunne, group health, safety, environment and quality director at the Wates Group, and Dr Shaun Lundy of the University of Greenwich - a member of the HSE's Myth Busters Challenge Panel.

As the first conference to focus entirely on the future of work at height, it promises to be a landmark event in the evolution of height safety, according to the Access Industry Forum. It will examine the key issues facing professionals today. To book visit www.accessindustryforum.org.uk/events Early bird prices apply until 31 July.



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For details of PASMA standards, guidance and training, including free PocketCards and posters, visit: www.pasma.co.uk

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Step ladder falls cost £660,000

British Telecom has been fined £600,000, plus costs of £60,000 after two BT Open Reach engineers were seriously injured in falls from height. The two were working at the Darlington Automatic Telephone Exchange, where one of the engineers was installing a cable through a hole on the first floor along a ceiling level cable tray to the main distribution frame on the ground floor.

He was working on a stepladder with his hands among the lighting systems when he felt a pain in his right arm and fell from the ladder. He was taken to hospital with head and back injuries.

An HSE investigation found that the accident wasn't properly investigated and later that day, April 1st 2010, the work was allowed to continue. The second engineer continued with the work from a different ladder, he also fell to the ground and was taken to hospital with serious skull and back injuries.

The first man returned to work for BT, but had lost his sense of smell and taste and required physiotherapy for a number of years. The second received serious multiple fractures of the skull and spine, his sense of smell and taste were affected, he was blinded in one eye, and has long-term memory problems.

The HSE investigation found that the work had not been properly assessed or planned, despite workers being exposed to serious risks including working at height close to an electrical system. Serious failings were also found within the lighting system with workers exposed to live metal parts. The system was poorly constructed and had not been properly maintained or tested. It is most likely that both engineers received electric shocks which threw them from the ladders.

BT pleaded guilty and was fined £600,000 and ordered to pay costs of £60,000.

Crane inspectors hit for \$5.5 million

A West Alabama jury has awarded \$5.5 million to relatives of crane operator Michael Singley, 47, who died when his crane overturned in Holt in July 2012. He worked for West Alabama Mechanical and was operating the crane at Southern Ionics in Holt.

His family filed a wrongful death lawsuit claiming Southeastern Crane Inspections had inspected the crane but failed to disclose serious technical problems to West Alabama Mechanical. The suit was also filed against the company that sold the crane, the owners and the safety inspector of West Alabama Mechanical. They all agreed a \$950,000 settlement before the trial, leaving Southeastern Crane as the lone defendant. The judgment means Southeastern Crane will now be responsible for paying the \$4.5 million balance.



Terex Cranes trainer Jürgen Hoffmann with Elias Sutter on the podium in Beijing

Terex Cranes world champion welder

An apprentice from Terex Cranes Germany, Elias Sutter, has won the world championship title for hand arc welding. The German team also took second place overall at this year's Arc Cup world welding championships for young welders, which took place in Beijing from the 18th to the 20th June.

The apprentice from Zweibrücken said: "For me, just getting to the world championships and competing against the best young welders in the world was in itself a fantastic success. I can hardly believe that I have now actually won the title."

Sutter qualified for the four-man German team by winning the hand arc welding section of the national "Jugend schweiß" welding competition in September 2015, a month later the German team secured its place at the world championships by taking a strong second place at the European Welding Cup in Cambridge, UK.

Terex Zweibrücken's training supervisor Jürgen Hoffmann, has also been instrumental in landing the award, having been committed to the development of young people for many years. He joined the German team in Beijing.

Who trained them then?

Spotted in London in May, two men working on shuttering at a job site run by a major contractor. Both are equipped with proper access equipment - one a ladder the other a scissor lift - yet both have left the safety of their equipment and resorted to climbing in order to carry out the work. Seems that the planning for this job could have been better?



Sennebogen 875E

The Sennebogen 875E is a large material handler designed for port applications, and the overall weight of the machine mounted on crawler tracks is around 165 tonnes. This 1:50 scale model of it is by Ros of Italy and was introduced at Bauma 2016. It comes in a large box and there is no assembly other than attaching one of the two grabs supplied.

The tracks are metal and they can be rolled. A nice touch is the detailing of the connection between the track frames and the legs, with the bolt heads visible. All of the hand rails are metal and there are textured walkways throughout. The large cab is metal with decent interior detailing, and plastic floodlights are mounted on the roof.

The cab linkage has very good cabling running to the cab. It has a good range but some looseness in the hydraulic cylinders means that not every pose can be held. One issue on the review model was that the cab platform could not quite properly match up to the body platform in the parking position.

The superstructure is metal and it is very nicely finished with Sennebogen embossed at the rear

counterweight. There are also small graphics which add detail.

The boom and stick are mainly metal with soft hoses running along the top surface, and there are detailed hydraulic connections. Hoses run to the hydraulic cylinders which have plastic barrels with an excellent colour match. The boom and stick movement is good. However the boom hydraulic cylinders cannot hold poses at wider radii because of the weight of the grabs.

The clamshell grab is a metal part and hydraulic hoses are fully modelled. It rotates freely and also swings. Each half opens fully but the two halves are not interlocked so they open separately. The orange peel grab is of the same quality and each tine opens and closes separately.

This is another impressive looking Sennebogen material handler and it looks striking in the manufacturer's green livery. The detailing and functionality is good.

It can be obtained from the Sennebogen web shop for €209.

To read the full review of this model visit www.cranesetc.co.uk

The Sennebogen 875E



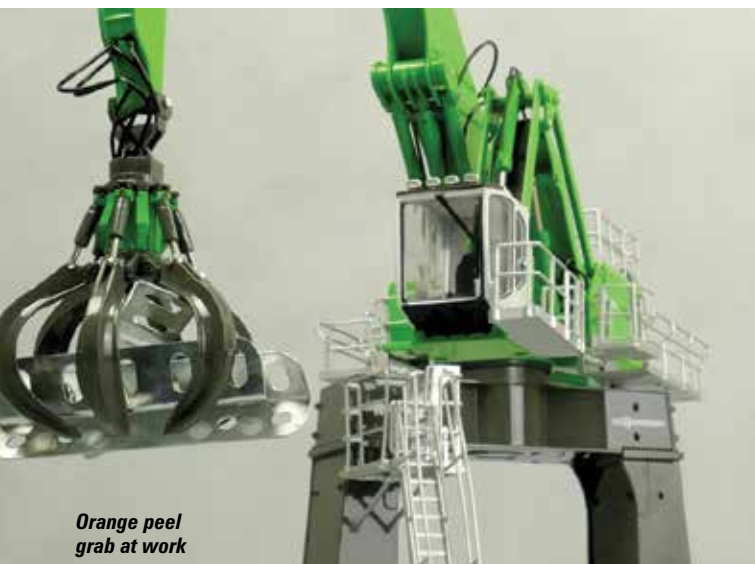
Robust construction of the legs

Cranes Ect Model Rating

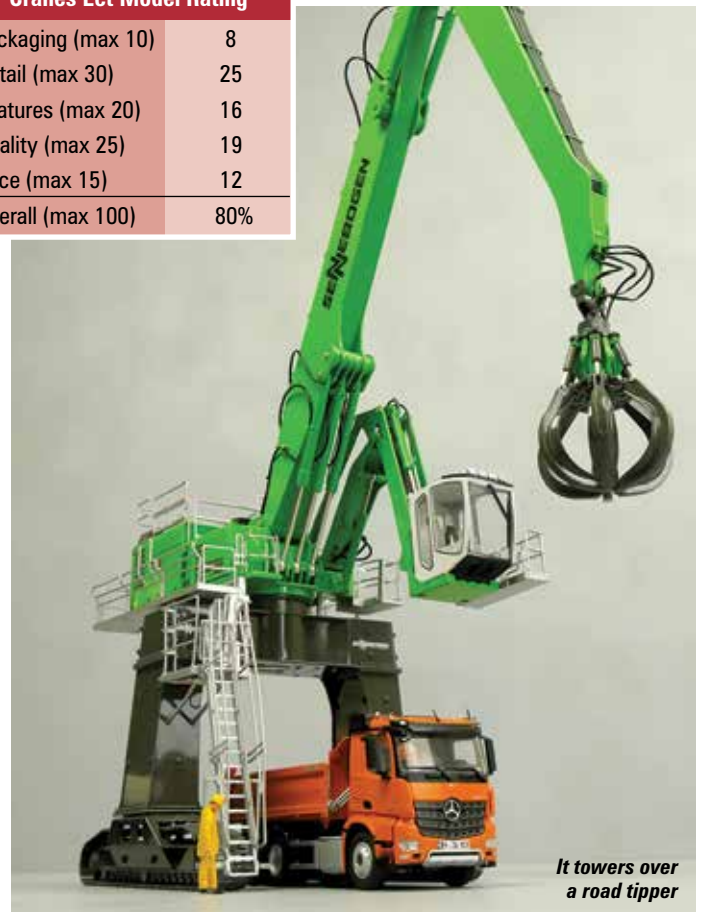
Packaging (max 10)	8
Detail (max 30)	25
Features (max 20)	16
Quality (max 25)	19
Price (max 15)	12
Overall (max 100)	80%



Opening hatch for the operator



Orange peel grab at work



It towers over a road tipper

Stars of the Future

The CPA - in association with Construction Industry Training Board - hosted the 4th annual 'Stars of the Future' plant mechanic apprenticeship awards at Vertikal Days with young service engineers attending from colleges all over the country.

Around 250 people were at the award ceremony, hosted by racing driver Nic Hamilton, whose attendance was supported by Kranlyft, A-Plant, Vertikal Days, IPAF, Hawk and Snap-On. He gave an inspiring and entertaining speech about his life-long battle with cerebral palsy and how, up until the age of 16, he relied on the use of a wheelchair.

He told the young audience that with motorsports in his blood, he was determined to pursue a career in motor racing. He related how he overcame numerous hurdles, using sheer determination. To achieve his life-long dream his message was "you can do anything if you put your mind to it - don't let anything stand in your way."

Hamilton said: "It was an absolute honour to be here to share my story, but also to see all the fantastically talented people that have been

nominated for these awards. I believe everybody has a story and is inspiring in their own right and I think that the CPA and these awards for young apprentices is a great platform to show their talent. As far as I am concerned they are all winners here today and should be very proud of themselves."

In addition to the winners who took the stage, 42 students were Highly Commended. Opening the ceremony CPA chairman Brian Jones said: "Today is the fourth year that the awards have been held and each year the benchmark gets higher and higher. Apprentices play an important role in the recovery of our industry by giving employers the essential skills they need. I am very proud and privileged to be associated with the Stars of the Future programme and to see the pride the apprentices bring, not only to their employers, families



Winners of the fourth annual Stars of the Future awards

and college but most importantly to themselves. More than 250 Students were nominated and every

one of them is a Star of the Future. Congratulations to them all!"



The two regional award winners, Elliott Waite (left) won the Year Three Regional Award while Angus Strowbridge won the Year Two' Award, both are employed by access rental company Lifterz and attend Askham Bryan College.



Nic Hamilton with Brian Jones of the CPA



Katie Long accepts her award from Brian Jones

The 2016 Stars of the Future Winners

Regional Level 2 Winners

Angus Strowbridge
Sion Cooper

John Davies
Jack Pleavin
Luke Johnstone

Katie Long
James Deeley

Campbell Howie

Samuel Cooper-Hart
Tom Knapp
Lloyd Hewish

College and Employer

Askham Bryan College - Lifterz
Bridgend College -
U Hire Equipment & Sales
Coleg Cambria - Richard Tresidder
Finning Academy - Finning UK
Glasgow Kelvin College -
SLD Pump & Power
Myerscough College - UK Forks PLC
National Construction College -
Allsort Grab Services
National Construction College (Scotland)
Muirhead Plant Ltd
Reaseheath College - A Plant
Stafford College - Hire Plant UK
Wiltshire College - SKH Engineering

National Winners

Sion Cooper

Jason Standen

College and Employer

Level 2 Bridgend College -
U Hire Equipment & Sales
Level 3 Bridgend College -
South Cornelly Services

Regional Level 3 Winners

Elliott Waite
Jason Standen

Sam Batchelor
Tyler Nicholson

Daniel Fradd
Thomas Jackson

Sean Gunn
Jean-Paul Alcayde
James Hughes
Bradley White

College and Employer

Askham Bryan College - Lifterz
Bridgend College -
South Cornelly Services
Finning Academy - Finning UK
Glasgow Kelvin College -
Your Equipment Solutions
Myerscough College - Multi Hog
National Construction College -
Gray Materials Handling
National Construction College (Scotland)
Reaseheath College - Clee Hill
Stafford College - AP Web UK
Wiltshire College - Ardent Hire Solutions

Katie Long from UK Forks and Myerscough College, the winner of Best Apprentice of the Year award at the 2016 Women In Construction Awards picked up a Regional Level 2 award. When asked how she feels being a female in what is still a male dominated industry she said: "At first it was really daunting but everyone was really friendly and made me feel welcome. I think it's great and I really hope more girls come into engineering and other jobs that have been traditionally 'just for boys'. The stigma of being a female doing a boys' job has gone and we have proved we can do the job no matter what gender you are."



Spreading the load?

Dear Mark,

Re the news item on page 11 of the June edition of C&A - "New ALE widening trailer reduces ground pressure."

I am completely mystified by this story, as I cannot see how merely widening the wheel track on the trailer actually reduces the pressure applied to the ground. Neither can my neighbour - and we both have an engineering background.

If you have a 200 tonne load supported on - for the sake of argument - a 10-axle trailer with four wheels on each axle set, it surely does not matter how widely spread apart the pairs of wheel are. Whether they are 3.6 or 4.3 metres apart, the pressure on the ground beneath each wheel will be the same - $200/40 = 5$ tonnes. Given that the pressure influence on the ground spreads outwards from the point of contact at 45 degrees either side, there obviously comes a point where the influence cones intersect - which is where you could get higher loading than on the surface if the intersection were relatively shallow. But I don't see that this would be affected very much by changing the track by this relatively small amount. Neither can I see the rationale for a reduction in ground pressure by lengthening the axle spacing by 10 percent, on the same grounds.

Presumably ALE and Goldhofer have done the sums and come to the conclusion that it works. Can someone explain how?

Thanks and kind regards,

Simon Walker
Principal, I.E.T.S

Oxfordshire
England

Dear Simon,

I have to admit to ignorance in not reading this article properly myself and do agree with you that merely widening the overall width does not change anything, apart from spreading the load over a wider area, this is something some states in the USA are keen on, with their bridge formulas and demands for wider spaced axles. While spreading the load can avoid local load concentrations it could of course have the opposite effect in some cases as you point out.

We would like to use your letter to gather some feedback from other readers, and will seek further clarification from ALE.

We were at Vertikal days when this letter arrived, but publisher Leigh Sparrow responded:

Editor Mark Darwin requested a response from ALE and received the following letter.

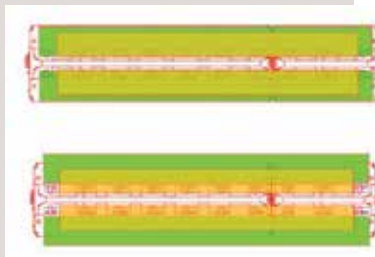
Hi Mark,

I've received a prompt response from Lead Engineer Nick Jones.....hopefully this should suffice in an explanation for Mr Walker. Typically the 'ground pressure reduction' is with respect to the interaction between the wheels and the structure they're travelling over.

Mr Walker is correct insofar as the ultimate load that is carried by the axle doesn't change but he has already noted that the change axle width will affect the interaction of load paths from the wheels down through the structure - from the studies we undertook we noted that for a typical motorway structure (multiple beam type bridge) would see a benefit by relieving the load under the spine of the trailer by forcing the load wider.

By increasing the pitch of the axles on the trailer, again looking at typical bridge spans, we would notice a potential reduction in bending and shear forces by virtue of the fact that there are one fewer axles actually on the bridge during critical stages. The simplest way of looking at it is reviewing the simple 'shadow areas' of the trailer.

Below, are a typical 3m THP/SL trailer (orange) vs the shadow loading of the ALE widening axles in un-widened and widened configurations. The reductions aren't a coverall for all structures and situations but give an opportunity for an alternative in cases where the structures are close to their maximum capacity. Typically on longer structures the benefit is reduced to almost nil, however these structures are rarely utilised on heavy haul routes.



UK Crane operator theory testing compromised

Dear Sir,

You may wish to consider the undermentioned for inclusion within your Letters page. In the June 2016 letters to the editor, Mike Ponsonby quite rightly highlighted that crane operators are uniquely skilled, and mentioned the myriad of hazards that they must master to fulfil the requirements of operator competence.

Most of the accepted card schemes insist that basic training of crane operators needs to cover fully the skills and knowledge required for their safe operation, including specific hazards and maximum capacities and limitations of the crane used. I'm sure we would all agree that the vital ingredient of basic training should consist of two

elements, theoretical and practical training.

My letter dwells on the 'theoretical aspect', and the CPCS scheme's ability to instil crane operators with the correct information, and how theoretical training must concentrate on the vital ingredient of underpinning knowledge. The crane operator's ability to digest the underpinning knowledge should be tested to ensure the objectives are met. With the CPCS the trainee must be tested for knowledge retained and this is achieved by tape-recorded sessions of set questions delivered by an accredited tester and model answers against which verbatim responses are marked for accuracy. An 80 percent pass mark is a mandatory pre-requisite to the practical test. Since 2008 it has been a tried and tested system, that I have personally used to test a wide

range of crane operator disciplines and associated lifting duties categories. The custodians of these equipment question/model answer banks are the accredited CPCS test centres geographically spread throughout the UK.

So far so good. However, for the last 125 days, (at the time of writing), an illegal website, based in Romania, is breaching the CITB/CPCS copyright with impunity. The CPCS Mobile Crane, A60, questions and model answers, for example can be yours for £19.99. Appointed Person, Crane Supervisor and Slinger Signaller are also available for a similar price, as are many other construction equipment categories. Put "CPCS answers" into a Google search and this Romanian illegal site rates higher than the CITB listing. A Mr C Toma has made an awful amount of money during 2016 courtesy of

breaching the CITB copyright on the CPCS product.

I have suggested to the CITB/CPCS that they should reconsider the workability of the model answers and whether they should disclose that the majority are now so widely disseminated throughout the lifting sector and beyond that they are totally compromised. Not a single acknowledgement from any CPCS manager, or their management committee, on the compromise of the copyrighted product, they remain firmly in denial.

<https://cpcs-theory-test-answers.com> *

It is now many weeks since the CITB stated that they anticipated imminent control of the website. A Crown Court hearing found in CITB's favour with them having to sit out a statutory period for an appeal to be

Continued on page 73

launched by Mr Toma.

As a solution, may I suggest the CPCS remove all the questions/model answers from their test centres and introduce a new system of questions and model answers that can be randomly generated by the CITB and electronically sent to the tester/centre, on the day of the theoretical testing of a candidate's underpinning knowledge. The whole problem of testing crane operators, and others, is further exacerbated by the decision in 2008, by the CPCS, to deregulate formal training. Now any 'Tom, Dick or Harry,' can train crane operators under the CPCS guidelines and without any training checks, the delivery of questions and verbatim model answers has often featured on CPCS test centre 'training days,' prior to the actual test. It borders on farcical.

The CITB have an uphill battle to counter these illegal websites with this type of fraud fairly common due to the ease of access to technology and relative affordability. The Romanian site will eventually be removed but within hours another will appear with anonymous hosting.

Crane employers should ask themselves, "Are we happy that our crane operatives and site safety is served by a card scheme where the underpinning knowledge, test questions and model answers are totally compromised by an illegal website?"

Regards,

Mick Norton BEM

*Note - the actual link in the letter was a google search link running to nine lines of text. We used it on July 6th and it was still functioning.

Monitor is the name

Hello Mark,

Monitor Lifts, Australia, appreciate reading your C & A comments each month! We also read the Australia's Hire 16 editorial that you published with interest, June issue page 9. Of some disappointment was reading Monitor spelt as 'Mentor'! Especially so, after having Leigh Sparrow personally on the Monitor Lifts stand during this event.

Best regards from 'Down Under'.

We immediately wrote back to Monitor with a full and embarrassed apology, we are unsure whether it was a spell check entry or a Freudian slip on our part. We are aware of Monitor of course and the great pioneering work it has done to establish the spider lift concept in Australasia. The company is a leading player in the market, as the importer for Leguan, Omme lift and Platform basket spider lifts, it unquestionably a high quality reputable company. And once again we are sorry for this error.

Gordon Sparrow 1933 - 2016

Gordon Sparrow, the last of the three Sparrow brothers, who founded the original Sparrows Crane hire business in Bath, England, and built it into a large publicly quoted international crane rental and lifting specialist, died on June 1st at the age of 82.

He leaves behind wife Sheila - the two celebrated their 61st wedding anniversary on May 21st - sons Leigh, Timothy and Mark and daughter Emma, along with eight grandchildren. He had been unwell for the past two years but had a long track record of bouncing back from some of the most dire medical pronouncements, beginning in Germany in 2001, when he suffered a massive heart attack, during a crane buying trip.

Gordon Sparrow - the father of Cranes & Access publisher Leigh Sparrow - was also one of the few surviving founders of the modern mobile crane industry, which began to take root in the UK after the Second World War, and such his passing marks the rapidly approaching end of an era.

The youngest of seven children, he and his two brothers built their mobile crane hire empire on the back of a vehicle repair, service



Gordon later in life

and recovery business that they had established in Bath, Somerset, on the premises from which their father ran a large filling station. The two older brothers, Alf and George started the recovery work around 1946, after Alf returned from the war, Gordon worked with them on weekends and holidays, and joined them full time around 1949, although he was then drafted into the Army for two years of national service, spent mostly in Suez Canal zone of Egypt, where he drove an armoured car with the Royal Dragoons.

The brothers had built a small recovery truck from an ex-army winch tractor, and decided to buy more army surplus recovery trucks and tractors to sell on to local tree and timber companies. They were increasingly called on to use their machines for general lifting duties such as unloading trucks etc.. Then while visiting one sale, they came across a dozen big new American-built Mack wrecker trucks with twin booms and a capacity of 16 tonnes over the rear. They bought one for £300 and later regretted not having bought them all. This opened up the business to heavy recovery and even more lifting work.

They entered the crane hire business proper in 1949, when Alf made a homemade boom which they fitted to the front of a 4x4 Chevrolet Quad gun tractor for a factory clean-up job. The makeshift All Terrain crane came into its own on a contract to install concrete lampstands in Devises, Wiltshire. And a contract to store and string out large steel water pipes for a new water line being installed in the Bath area.

Demand for crane rental began to grow and the three increasingly focussed their time on this aspect of the business, and bought a second hand Michigan truck mounted crane, to which they added a power luffing. They then began talking to crane manufacturers, gaining valuable experience and eventually led to the them buying new cranes, the first being a British-built Coles.

All three brothers operated the cranes, with Alf and Gordon the keenest. By the 1960s GW Sparrow & Sons, as the company was officially known, was the leading UK company crane hire company, and one of the largest worldwide with a strong safety and quality culture that would match the best standards today. The company was floated on the stock market in 1968 and acquired by BET in a hostile take-over bid in late 1985. The offshore business, they founded - Sparrows Offshore - continues to thrive and is a leader in its field.

Gordon and two colleagues - David Flatley and Jim Hagan went on to acquire Coventry Crane Hire and formed Gordon Sparrow Crane Hire in Bristol. The assets of these

business were sold to Ainscough in 1995, and unable to get crane hire out of his blood he formed a third company with middle son Timothy, who had joined the Coventry/Gordon Sparrow business. The new company Sparrow Crane Hire is still operating, between Bath and Bristol. Gordon retained a half share in the business until the end, although he had not been involved for some time.

The funeral was held in Bath on June 22nd with a small crane from this business leading the cortege from his home, through the City of Bath to the cemetery. A feature he would very much have appreciated.



Leading the cortege through the city of Bath - a recently restored eight tonne Tadano truck crane

Footnote

The funeral and reception were well attended by ex-employees, several of them who had started with the original company in the early 1950s as teenagers. They took the opportunity to exchange stories and recall the family atmosphere of those pioneering days. Listening to them and seeing the boxes of old photographs, it strikes you that it should all be recorded, along with other stories from the early days of crane hire, before it is really too late.



First cranes

Whats on?

2016

Europlatform



September 22, 2016
European access conference
Vienna, Austria
Tel: +41 61 227 9000
www.europlatform.info

IAA

September 22-29, 2016
German international
commercial vehicle show
Hannover, Germany
Tel: +49 30 897842-0



Crane Safety 2016

September 28, 2016
UK Crane Safety conference for
Mechanical Engineers
London, UK
Tel: +44 (0)20 7973 1304
www.imeche.org



JDL Mediterranée

October 12-14 2016
French lifting event
Marseille, France
Tel: +33 (0)1 45 63 68 22
www.jdlmed.com



Bauma China

November 22-25 2016
bauma in Shanghai, China
Tel: +49(0)89 9 4920251
www.bauma-china.com
info@bauma-china.com



Bauma Conexpo India

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exhibition in India
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www.bcindia.com



2017

Rental Show 2017

Atlanta
February 27-1 March 2016
Tel: +1 800 334 2177
www.therentalshow.com



Conexpo-Con/Agg 2017

March 7-11, 2017
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Las Vegas, Nevada, USA
Tel: +1 414-298-4133
www.conexpoconagg.com



IPAF Summit 2017

April 4, 2017
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Wembley London UK.
Tel: +44 (0)15395 66700
www.ipaf.org



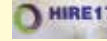
Smopyc 2017

April 25-29, 2017 Spanish Public
works & construction show
Zaragoza, Spain
Tel: +34 976 76 4700
www.feriazaragoza.es/
smopyc.aspx



Hire17

May 10-11, 2017
Australian Hire & Rental
association annual
convention and show
Gold Coast, Queensland, Australia
Tel: +61(0) 2 9997 5133
www.hireandrental.com.au



Vertikal Days 2017

UK/Ireland crane and access event.
May 22-23 TBA
Tel: +44 (0) 8448 155900
www.vertikaldays.net



Platformers Days 2017

September 2017
German access
equipment show
Hohenroda, Germany
Tel: 05033 981742
www.platformers-days.de



2018

Intermat 2018

April 20-25 2018,
Paris France
Tel: +33 1 49685248
www.intermat.fr

2019



Bauma 2019

World's largest construction
equipment exhibition, April
Munich, Germany
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www.bauma.de



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30t Tenex-Demag AC 30 City	2006	4x4x4	25,00m + 13,00m + 1,20m
35t Liebherr LTM 1030-2.1	2005	4x4x4	30,00m + 15,00m
35t Liebherr LTM 1030-2.1	2006	4x4x4	30,00m + 15,00m
45t Faun ATF 45-3	2006	6x6x6	34,00m + 15,20m
50t Tenex-Demag AC 50-1	2006	6x6x6	40,00m + 17,60m
50t Tenex-Demag AC 50-1	2006	6x6x6	40,00m + 17,60m
50t Tenex-Demag AC 50-1	2006	6x6x6	40,00m + 17,60m
60t Faun ATF 60-3	2003	6x6x6	40,20m + 16,00m
65t Tadano Faun ATF 65G-4	2007	8x8x8	44,00m + 16,00m
80t Faun ATF 80-4	2005	8x8x8	48,50m + 16,00m + 2,50m
80t Tenex-Demag AC 80-2	2003	8x8x8	50,00m + 17,60m
80t Tenex-Demag AC 80-2	2004	8x8x8	50,00m + 17,60m
100t Grove GMK 5100	2005	10x6x10	51,00m + 18,00m + 2,50m-runner
130t Grove GMK 5130-1	2005	10x8x10	60,00m + 18,00m
160t Tadano Faun ATF 160G-5	2009	10x8x8	60,00m + 37,00m
200t Tenex-Demag AC 200-1	2005	10x8x8	68,00m + 33,00m + 1,50m
220t Liebherr LTM 1220-5.1	2005	10x8x8	60,00m + 22,00m
250t Demag AC 665 SL	1997	12x6x8	58,00m + 41,00m + 65,00m+2,00m
400t Liebherr LTM 1400-7.1	2007	14x8x12	60,00m + 56,00m + 84,00m

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180t Link Belt LS 248 H	1997		59,50m + 48,70m

RT-TELESCOPIC-MOBILE CRANES

Make / Type	y. o. m.	Drive	Boom / Fly Jib
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80t Grove RT 890 E	2008	4x4x4	43,0m

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Online Directory www.vertikal.net

online Access&Lifting directory – the fast and efficient way to find a supplier

Access Equipment Manufacturers

The Access Platform Company	www.accessplatformcompany.co.uk
Ascendant Access	www.ascendantaccess.com
Aichi	www.aichi-corp.jp
AIRO	www.airo.com
Alimak Hek	www.alimakhek.com
ATN	www.atnplatforms.com
Barin	www.barin.it
Biljax	www.biljax.com
Böcker Maschinenwerke	www.boecker-group.com
Bravi	www.bravisol.com
CMC	www.cmlift.com
CTE	www.ctelift.com
DENKA-LIFT	www.rothlehner.com
Dino Lift	www.dinolift.com
Dingli	www.cndingli.com
Easylift	www.easy-lift.it
Falck Schmidt	www.tcalift.com
GEDA-Dechentreiter	www.geda.de
Genie Global	www.genielift.com
Genie UK	www.genielift.com
GSR Spa	www.gsrspa.it
Haulotte	www.haulotte.com
Hinowa Tracked Aerial Platforms	www.hinowa.com
Holland Lift	www.hollandlift.com
Imer Access	www.imergroup.com
Isoli	www.isoli.com
Iteco	www.imergroup.com
JLG	www.jlgeurope.com
Klaas	www.utility-equipment.com
Klubb France	www.klubb-france.fr
Ladder Safety Devices	www.laddersafetydevices.co.uk
Leader	www.leader-piatt.it
Leguan Lifts	www.leguanlifts.com
Manitou	www.manitou.com
Mantis Access	www.mantisaccess.co.uk
Mantall	www.mantall.com
Matilsa	www.matilsa.es
MEC	www.mec-awp.com
Niftylift	www.niftylift.com
Oil&Steel	www.oilsteel.com
Omega Platforms	www.omegaplatforms.com
Ommelift	www.ommelift.dk
Palazzani Industrie	www.palazzani.it
Palfinger Platforms	www.palfinger-platforms.com
Planet Platforms	www.planetplatforms.co.uk
PB Liftechnik	www.pbgmbh.de
Platform Basket	www.platformbasket.com
Ranger tracked access	www.tracked-access.co.uk
Runshare	www.runshare.net
Ruthmann	www.ruthmann.de
Sinoboom	www.sinoboom.com
Skyjack	www.skyjack.com
Snorkel	www.snorkelusa.com
Socage	www.socage.it
SUP	www.supefant.com
TCA Lift	www.tcalift.com
Teupen	www.teupen.com
Turner Access	www.turner-access.co.uk
Versalift distributors (UK)	www.versalift.co.uk
Youngman	www.youngmangroup.com

Scaffold Towers

Eurotowers	www.eurotowers.co.uk
Instant	www.instantupright.com
Planet Platforms	www.planetplatforms.co.uk
Svelt	www.svelt.it
Turner Access	www.turner-access.co.uk
Youngman	www.youngman.com

Mastclimbers & Hoists

Adastra Access	www.adastra-access.co.uk
Alimak-Hek	www.alimakhek.com
Brogan Group	www.brogangroup.com
GEDA-Dechentreiter	www.geda.de
Klaas	www.utility-equipment.com
SGB	www.sgb.co.uk
LTC Hoists Division	www.lchoists.co.uk
Safi	www.safi.it

Specialist Scaffolding

Advance Scaffolding (SW)	www.advancedscaffoldingltd.co.uk
SGB	www.sgb.co.uk
Harsco	www.harsco-i.co.uk

Platform Rental

1st Access Rentals	www.1staccessrentals.co.uk
2 Cousins Access Limited	www.2cousins.co.uk
AA Access (Specialists)	www.aaccess.co.uk
ABBA Plant Hire	www.abbaplanthire.co.uk
Access Link	www.accesslink.biz
Access Platforms Direct	www.accessplatformsdirect.co.uk
Acrolift	www.acrolift.co.uk
Active Rentals Scotland	www.activerentals.co.uk
Actual Access	www.actualservices.co.uk
Advanced Access Platforms	www.accessplatformsuk.com
Aerial and Handling Services	www.aerialandhandlingservices.com
Aerial Platforms	www.aerialplatformsltd.co.uk
AFI-Uplift	www.afi-uplift.co.uk
A-Plant	www.aplant.com
ASR Access Platforms	www.access-platforms.com
ATP	www.atphire.com
Bluelift	www.bluelift.ie
Drammen Liftutleie AS	www.drammenlift.no
ES Access Platforms	www.esaccess.co.uk
Facelift	www.facelift.co.uk
Fraco	www.fraco.co.uk
GT Access	www.gtaccess.co.uk
Height for Hire	www.heightforhire.com
High Access Hire	www.highaccesshire.co.uk
Higher access	www.higheraccess.co.uk
Hi-reach	www.hi-reach.co.uk
Hird	www.hird.co.uk
Horizon Platforms	www.horizonplatforms.co.uk
JMS Plant Hire	www.jms-planthire.co.uk
Kimberly Rentals Group	www.kimberlyaccess.co.uk
Lifterz	www.lifterz.co.uk
Loxam Access	www.loxam-access.co.uk
LTC Powered Access	www.ltcpoweredaccess.co.uk
LTC	www.ltcaccess.co.uk
Mainline Access	www.mainline-access.co.uk
Manlift Hire	www.manlift.ie
Mr Plant Hire	www.mrplanthire.co.uk
Nationwide Platforms	www.nationwideplatforms.co.uk/Hire
North American Rentals	www.bigbooms.com
Peter Douglass Platforms	www.peterdouglass.co.uk
Platform Sales & Hire	www.platformsales.co.uk
Rapid Platforms	www.rapidplatforms.co.uk
Readyplant Ltd	www.readyplant.co.uk
Riwal	www.riwal.com
Sandhurst Access Rental	www.sandhurst-accessrental.co.uk
Trac-Access	www.trac-access.com
United Powered Access	www.upa-uk.com
Universal Platforms	www.universalplatforms.com
Warren Access	www.warrenaccess.co.uk
Wilson Access	www.wilsonaccess.co.uk

Notified Body

Powered Access Certification	www.pac.uk.com
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New & Used Platforms

IAPS	www.iapsgroup.com
Advanced Access Platforms	www.aaplatforms.co.uk
AFI Resale	www.afi-resale.co.uk
A.J. Access Platforms	www.accessplatforms.com
Baulift	www.baulift.de
Davis Access	www.davisaccess.co.uk
Facelift	www.facelift.co.uk
Flesch	www.Flesch-Arbeitsbuehnen.de
Gantic Norway	www.gantic.no
Genie	www.genielift.com
Genie UK	www.genielift.com
GT Access	www.gtaccess.co.uk
Height for Hire	www.heightforhire.com
Hird	www.hird.co.uk
JLG	www.jlgeurope.com
JMS Plant Hire	www.jms-planthire.co.uk
Kemp Hoogwerkers	www.kemphoogwerkers.nl
Kunze GmbH	www.kunze-buehnen.com
Lavendon Sales	www.lavendonsales.com
Leader	www.leader-piatt.it
Liftright Access	www.liftrightaccess.com
Manlift Sales	www.manlift.ie
Mech-Serv (GB)	www.mech-serv.co.uk
Mr Plant Hire	www.mrplanthire.co.uk
Nationwide Platforms	www.nationwideplatforms.co.uk/Sales/
North American Rentals	www.bigbooms.com
Rothlehner	www.rothlehner.com

Tracked Access	www.trackedaccess.com
Platform Sales	www.platformsales.co.uk
Promax Access	www.promaxaccess.com
Rapid Platforms	www.rapidplatforms.co.uk
Reachmaster (USA)	www.reachmaster.com
Riwal	www.riwal.com/used
Turner Access	www.turner-access.co.uk
TVH - Group Thermote & Vanhalst	www.tvh.be
Universal Platforms	www.universalplatforms.com
Utility Equipment	www.utility-equipment.com
Vertimac	www.vertimac.com
Wilson Access	www.wilsonaccess.co.uk

Special/Bespoke Access & Lifting Solutions

APS	www.iapsgroup.com
GT Lifting Solutions	www.gtliftingltd.co.uk
Ladder Safety Devices	www.laddersafetydevices.co.uk
JMS Plant Hire	www.jms-planthire.co.uk
Liftright Access	www.liftrightaccess.com
Mantis Access	www.mantisaccess.co.uk
Nationwide Platforms	www.nationwideplatforms.co.uk/Hire
Planet Platforms	www.planetplatforms.co.uk
Platform Sales & Hire	www.platformsales.co.uk
Ranger Equipment	www.spiderlift.co.uk
Warren Access	www.warrenaccess.co.uk/hire
Working At Height Ltd	www.workingatheightltd.com

Special & Niche Access

Acrolift	www.acrolift.co.uk
DENKA Narrow	www.rothlehner.com
Easy Reach Scotland	www.easyreachscotland.co.uk
Facelift	www.facelift.co.uk
Height for Hire	www.heightforhire.com
High Access Hire	www.highaccesshire.co.uk
Higher Access	www.higheraccess.co.uk
JMS Plant Hire	www.jms-planthire.co.uk
Rapid Platforms	www.rapidplatforms.co.uk
Smart Platform Rentals	www.smartplatforms.co.uk
Universal Platforms	www.universalplatforms.com
Wilson Access	www.wilsonaccess.co.uk

Special Lift & Transport Equipment

Arnold Schwerlast GmbH & Co.KG	www.arnold-schwerlast.de
Collett A Sons, UK	www.collett.co.uk
Wagenborg Nedlift, NL	www.wagenborg.com

Self-Propelled Modular Transporters

Collett & Sons, UK	www.collett.co.uk
Wagenborg Nedlift, NL	www.wagenborg.com

Telescopic Handler Manufacturers

Dieci Telehandlers Ltd	www.dieci-telehandlers.co.uk
Genie	www.genielift.com
Haulotte	www.haulotte.com
JLG	www.jlgeurope.com
Manitou	www.manitou.com
Merlo	www.merlo.co.uk

New & Used Telehandlers

Dieci Telehandlers	www.dieci.com
GT Lifting Solutions	www.gtlift.co.uk
Industrial Access	www.industrialaccess.ro
Lisman	www.lisman.nl
Riwal	www.riwal.com/used
Vertimac	www.vertimac.com
VHS Vissers Heftruck Service	www.vhsblad.nl

Telehandler Rental

ABBA	www.abbaplanthire.co.uk
GT Lifting Solutions	www.gtliftingltd.co.uk
JMS Plant Hire	www.jms-planthire.co.uk
Mr Plant Hire	www.mrplanthire.co.uk
Readyplant Ltd	www.readyplant.co.uk

Site Safety Audits

Alfa Access Services	www.alfa-access-services.com
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Industry Associations

ALLMI	www.allmi.com
CICA	www.cica.com.au/
CPA	www.cpa.uk.net
EWPA	www.ewpa.com.au
IPAF	www.ipaf.org
OSHA	www.osha.gov
PASMA	www.pasma.co.uk

Crane Manufacturers

Böcker Maschinenwerke	www.boecker-group.com
Galizia	www.galiziagr.com
Grove	www.grovetworldwide.com

HCME (Hitachi-Sumitomo)	www.nrcplant.co.uk
Jekko Minicrane	www.jekko.it
JMG	www.jmgcranes.com
Klaas	www.utility-equipment.com
Kobelco	www.kobelco-cranes.com
Liebherr	www.liebherr.com
Linden Comansa	www.comansa.com
Maeda	www.maedaminicran.es.co.uk
Manitowoc	www.manitowoccranes.com
Mantis Cranes	www.mantiscranes.ie
Ormig	www.ormig.co.uk
Potain	www.manitowoccranes.com
Sany	www.sany.com.cn
Sennebogen	www.sennebogen.com
Spierings	www.spieringskranen.nl
Tadano	www.tadano.faun.de
Tadano Japan	www.tadano.com
Terex-Demag	www.terex-cranes.com
Unic Cranes	www.unic-cranes.co.uk
Valla	www.valla-cranes.co.uk
Wolffkran	www.wolffkran.de
Zoomlion	www.zoomlioncranes.co.uk

Lorry/Truck Loader Cranes

Atlas Cranes UK	www.atlasgmbh.com
Effer	www.effer.it
Hiab	www.hiab.com
Palfinger	www.palfinger.com
Penny Hydraulics	www.pennyhydraulics.com
PM Cranes	www.pm-group.eu

New & Used Cranes

AGD Equipment	www.agd-equipment.co.uk
Cotac Oy	www.cranefi.com
Cranes4Cranes	www.cranes4Cranes.com
Cranes UK	www.cranesuk.net
Crowland Cranes	www.crowlandcranes.co.uk
E.H Hassells	www.hassells.com
Electrogen Int	www.electrogen.ie
IMC Cranes	www.imc-cranes.com
Jones-Iron Fairy	www.jonesironfairy.co.uk
Kobelco	www.kobelco-cranes.com
Leader	www.leader-piatt.it
London Tower Cranes	www.londontowercranes.co.uk
Maeda	www.maedaminicranes.co.uk
Mantis Cranes	www.mantiscranes.co.uk
M. Stemick	www.stemick-krane.de
NRC	www.nrcplant.co.uk
P.V. Adrighem BV	www.adrighem.com
Rivertek Services	www.rivertekservices.com
Terex Demag	www.terex-cranes.com
Transloader Services	www.transloaderservices.co.uk
Hird	www.hird.co.uk

Heavy Lifting Equipment

Lifting Gear UK	www.lifting-equipment.co.uk
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Furniture Hoists

The Furniture Hoist Co	www.furniturehoists.co.uk
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Crane Hire

AB2000	www.ab2000.co.uk
ABBA	www.abbaplanhire.co.uk
Ainscough	www.ainscough.co.uk
Berry Cranes	www.berrycranes.co.uk
Bob Francis Crane Hire	www.bobfranciscranehire.co.uk
Cork Crane Hire (Liverpool)	www.corkcranehire.com
Crane Hire Ltd	www.cranehireltd.com
City Lifting	www.citylifting.co.uk
Emerson Cranes	www.emersoncranes.co.uk
J&M Crane Hire	www.jandmcranehire.co.uk
John Sutch Cranes	www.johnsutchcranes.co.uk
King Lifting	www.kinglifting.co.uk
Ladybird tower crane hire	www.ladybirdcranehire.co.uk
Mantis Cranes	www.mantiscranes.co.uk
McNally crane hire	www.cranehire-ireland.com
NRC	www.nrcplant.co.uk
Port Services Heavy Crane division	www.portservices.co.uk

Mini Crane Hire

Easy Reach Scotland	www.easyreachscotland.co.uk
Emerson Cranes	www.emersoncranes.co.uk
GGR	www.unic-cranes.co.uk
Height for Hire	www.heightforhire.com
Hire Maeda	www.maedaminicranes.co.uk
JT Mini Crane Hire	www.jtminicranes.co.uk
Lift Limited	www.liftminicranehire.co.uk

NRC	www.nrcplant.co.uk
Hird	www.hird.co.uk
Tracked Access	www.trackedaccess.com

Self Erecting Tower Cranes

City Lifting	www.citylifting.co.uk
Electrogen Int	www.electrogen.ie
John Sutch Cranes	www.johnsutchcranes.co.uk
King Lifting	www.kinglifting.co.uk
Ladybird tower	www.ladybirdcranehire.co.uk

Crane Hire

J&M Crane Hire	www.jandmcranehire.co.uk
London Tower Cranes	www.londontowercranes.co.uk
Mantis Cranes	www.mantiscranes.co.uk

Tower Cranes

London Tower Cranes	www.londontowercranes.co.uk
Electrogen Int	www.electrogen.ie

Heavy Lift Management

DWLS	www.dwls.co.uk
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Heavy Lift Planning & Risk Analysis

DWLS	www.dwls.com
HLI Consulting	www.hliconsulting.com

Ancillary Equipment

TMC lifting supplies	www.tmc-lifting.com
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Auction Houses

Ritchie Brothers	www.rbauktion.com
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Battery Suppliers & Manufacturers

Shield Batteries	www.shieldbatteries.co.uk
Trojan Battery	www.trojanbattery.com
Platinum Batteries (Europe) Ltd	www.platinumbatteries.co.uk

Load Cells & Load Monitoring Systems

Force Logic UK Ltd	www.force-logic.co.uk
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Control Systems

MOBA Automation	www.moba.de
Intercontrol	www.intercontrol.de

Generator Sales & Rental

Electrogen Int	www.electrogen.ie
JMS PLant Hire	www.jms-planthire.co.uk

Insurance

Specialist Insurance	www.cover1.com
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Online Technical Help

Crane Tools	www.cranetools.com
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Outrigger Pads, Mats & Roadways

Alimats	www.craneriggermats.co.uk
Eco power pads	www.outriggerpads.co.uk
GTP Europe	www.gtp-europe.com
Marwood	www.marwoodgroup.co.uk
Mat & Timber Services	www.sarumhardwood.co.uk
Nylacast	www.nylacast.com
Timbermat	www.timbermat.co.uk
TMC lifting supplies	www.tmc-lifting.com
Universal Crane Mats	www.universal-crane-mats.com

Parts & Service Suppliers

Aerial & Handling Services	www.aerialandhandlingservices.com
Alfa Access Services	www.alfa-access-services.com
Caunton - Access	www.caunton-access.com
Chaintech (UK)	www.chaintec.co.uk
Cone Drive	www.conedrive.com
Crowland Cranes	www.crowlandcranes.co.uk
C-Tech Industries	www.ctech-ind.com
Davis Access Platforms	www.davisaccess.co.uk
Electrogen Int	www.electrogen.ie
IAPS	www.iapsgroup.com
JLG	www.jlgeurope.com
Lift-Manager	www.lift-manager.com
TVH - Group Thermote & Vanhalst	www.tvh.be
Unified Parts	www.unifiedparts.com
Vertimac	www.vertimac.com

Innovations

Aerial & Handling Services Ltd	www.aerialandhandlingservices.com
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Recruitment

Vertikal.Net	www.vertikal.net/en/recruitment
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Rental Management Software

Higher Concept Software	www.higherconcept.co.uk
Inspire	www.inspire.com
MCS Rental Software	www.mcs.co.uk

Replacement Filters

Plant Filters	www.plantfilters.co.uk
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Safety Equipment

AGS	www.ags-btp.fr
Airtek equipment	www.airteksafety.com
Heaton Trestle Handrail System	www.heatonproducts.co.uk
Heaton Scaffold Towers	www.heatonproducts.co.uk
Load Systems UK Ltd	www.loadsystems.com
Marwood	www.marwoodgroup.co.uk
SMIE	www.smie.com

Software

Higher Concept	www.higherconcept.co.uk
inspHire	www.inspire.com
Matusch GmbH	www.matusch.de
MCS Rental Software	www.mcs.co.uk

Structural Repairs

Avezaat Cranes	www.avezaat.com
Crowland Cranes	www.crowlandcranes.co.uk
John Taylor Crane Services	www.jtcranes.co.uk

Training Associations & Networks

ALLMI	www.allmi.com
AWPT	www.awpt.org
IPAF	www.ipaf.org
NASC	www.nasc.org.uk
Pasma	www.pasma.co.uk

Training Centres & Trainers

Access Platforms Direct	www.accessplatformsdirect.co.uk
Astra Access	www.astratraining.co.uk
Boss Training	www.bosstraining.co.uk
IAPS	www.iapsgroup.co.uk
Active Safety	www.activerepairs.co.uk
Advanced Access Platforms	www.accessplatformsuk.com
UTN	www.utntraining.co.uk
Ainscough	www.ainscoughtraining.co.uk
AJ Access	www.accessplatforms.com
Approved Safety Training -Ca	www.approvedsafetytraining.com
GT Access	www.gtaccess.co.uk
Lift-Manager	www.lift-manager.com
LTC Training Services	www.ltctraining.com
Nationwide Platforms	www.nationwideplatforms.co.uk/Training
SGB	www.sgb.co.uk
Smart Platform Rentals	www.smartplatforms.com
Transloader Services	www.transloaderservices.co.uk
Warren	www.warrenaccesstraining.co.uk/courses/
Access Training	

Safety Training

Atlas Cranes UK	www.atlasgmbh.com
Avon Crane	www.avoncrane.co.uk
Brogan Group	www.brogangroup.com
Davis Access	www.davisaccess.co.uk
Emerson	www.emersontrainingservices.co.uk
Height for Hire	www.heightforhire.com

Training Services

Facelift	www.facelift.co.uk
HCS	www.hydrauliccraneservices.co.uk
Hewden Training	www.hewden.co.uk/training
Hi-Reach	www.hi-reach.co.uk
Hiab	www.hiab.com
Horizon Platforms	www.ipaftrainingcourses.co.uk
JLG Training	www.jlgeurope.com
L&B Transport	www.lbtransport.co.uk
Liebherr Training (UK)	www.liebherr.co.uk
Lifting Equipment Training	www.letltd.co.uk
Loxam	www.loxam-access.co.uk
Lyte	www.lyteladders.co.uk
Mainline Access	www.mainline-access.co.uk
Mentor Training	www.mentortraining.co.uk
Mr Plant Hire	www.mrplanthire.co.uk
Nationwide Platforms	www.nationwideplatforms.co.uk
Norfolk Training Services	www.norfolktraining.co.uk
Rapid Platforms	www.rapidplatforms.co.uk
Southern Crane & Access	www.southerncranes.co.uk
TH White	www.thwhite.co.uk
Terex Atlas (UK) Ltd.	www.atlascranes.co.uk

Wire Rope & Cable

Teufelberger Seil	www.teufelberger.com
TMC Lifting	www.tmc-lifting.com
Casar	www.casar.de

Winches & Hoists

Rotzler	www.rotzler.com
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Tyre suppliers

Mitas Tyres	www.mitas-tyres.com
OTR Wheel Engineering - OTR Europe	www.otrwheel.com

Traffic Management

Atlas Traffic Management	www.atlastm.co.uk
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If your company is not listed sign up online or email info@vertikal.net or call

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V18572 - Haulotte Optimum 8 - 2006
Electric - 7,76 Mtr. - 483 Hrs.
€ 3.950



V17776 - Skyjack SJ3220 - 2009
Electric - 8,1 Mtr. - 551 Hrs.
€ 4.350



J19855 - JLG 3246ES - 2012
Electric - 11,6 Mtr. - 106 Hrs.
€ 11.950



V18435 - JLG 3369LE - 2001
Electric - 12,06 Mtr. - 826 Hrs.
€ 5.500



V18954 - Hollandlift N140EL12 - 2009
Electric - 16 Mtr. - 494 Hrs.
€ 27.950



V17386 - Upright SL30SL - 2007
Diesel 4x4 - 11 Mtr. - / Hrs.
€ 9.500



V18689 - Haulotte H125X - 2006
Diesel 4x4 - 12 Mtr. - / Hrs.
€ 10.500



V19760 - Genie GS3384RT - 2005
Diesel 4x4 - 12,06 Mtr. - 1724 Hrs.
€ 9.950



V18873 - Skyjack SJ8841 - 2004
Diesel 4x2 - 14,5 Mtr. - 2543 Hrs.
€ 9.500



V18262 - JLG 4394RT - 2006
Diesel 4x4 - 15,11 Mtr. - 1910 Hrs.
€ 15.500



V19547 - JLG Toucan 800A - 2005
Electric - 8,2 Mtr. - 322 Hrs.
€ 5.500



V19672 - JLG Toucan 1010 - 2005
Electric - 10,1 Mtr. - 612 Hrs.
€ 6.950



V19767 - Airo SG1000 - 2007
Electric - 12 Mtr. - 244 Hrs.
€ 9.500



V19691 - Haulotte HA12IP - 2003
Electric - 12 Mtr. - 336 Hrs.
€ 11.000



V18924 - JLG M600JP - 2007
Bi-Energy - 20,39 Mtr. - 1304 Hrs.
€ 26.000



V18746 - JLG 450AJ - 2007
Diesel 4x4 - 15,72 Mtr. - 3245 Hrs.
€ 19.950



V18713 - Haulotte HA16SPX - 2006
Diesel 4x4 - 16 Mtr. - 3233 Hrs.
€ 14.950



V19157 - JLG 600AJ - 2011
Diesel 4x4 - 20,29 Mtr. - 2343 Hrs.
€ 41.500



J17902 - Airo SG1850 - 2007
Diesel 4x4 - 20,55 Mtr. - 786 Hrs.
€ 23.500



V17691 - JLG 1250AJ - 2005
Diesel 4x4 - 40,1 Mtr. - 2473 Hrs.
€ 65.000



V19729 - Genie S65 - 2004
Diesel 4x4 - 21,8 Mtr. - 4709 Hrs.
€ 21.000



V18835 - JLG 660SJ - 2008
Diesel 4x4 - 22,32 Mtr. - 2662 Hrs.
€ 34.000



V18726 - Haulotte H23TPX - 2005
Diesel 4x4 - 22,6 Mtr. - 5278 Hrs.
€ 16.500



J19152 - Genie S85 - 2007
Diesel 4x4 - 27,9 Mtr. - 1588 Hrs.
€ 51.000



V19213 - JLG 860SJ - 2007
Diesel 4x4 - 28,21 Mtr. - 3323 Hrs.
€ 45.000

More information?

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Height for Hire

we are the access specialists

+2000 NEW AND USED MACHINES AVAILABLE



15.9
metre

3000
hours

15+
units
available

4WD

Genie Z-45/25 JRT

2007 €26950

 diesel



12.52
metre

650
hours

6
units
available

4WD

Genie Z-34/22N

2005 €16500

 battery



42.9
metre

4000
hours

3
units
available

4WD

JLG 1350 SJP

2008 POA

 diesel



12.5
metre

1500
hours

20+
units
available

4WD

Skyjack SJ-7135 RT

2007 €12500

 diesel



11.58
metre

400
hours

8
units
available

4WD

Genie GS-3246

2006 €8500

 battery



20.22
metre

3000
hours

6
units
available

4WD

Genie Z-60/34

2006 €32000

 diesel



14.00
metre

400
hours

6
units
available

Tracked

Hinowa 14.70 III S

2014 €29950

 hybrid energy



29.70
metre

5000
hours

4
units
available

Tracked

Omme 3000 RBD

2008 €55000

 hybrid energy



8.7
metre

1500
hours

5
units
available

Tracked

Maeda MC285 CRM-E

2007 €35000

 hybrid energy



20.00
metre

45,000
km

6
units
available

4WD

CTE Z 20 CH

2011 €43000

 diesel



13.6
metre

1300
hours

2
units
available

4WD

Manitou MT 1436

2008 €36000

 diesel



29.70
metre

3800
hours

1
unit
available

4WD

Manitou MRT 3050

2008 €129000

 diesel

All Prices in Euro



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Operate 360° with Merlo's rotating turret which provides a greater radius of action compared to a fixed telehandler. The Roto reach 30 metres of operating height and can lift 6 tonnes. Merlo are the leaders in the field of rotating turret handlers and Roto has become synonymous with this category worldwide.

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	30 METRE REACH				
Record breaking ergonomic cab design	Massive 30m operating height	Chassis leveling	Active suspension	up to 6 tonne lifting capacity	Hydrostatic transmission



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