

cranes & access

August/September 2024 Vol.26 issue 5

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**LOADER
CRANES**

SPIDER LIFTS

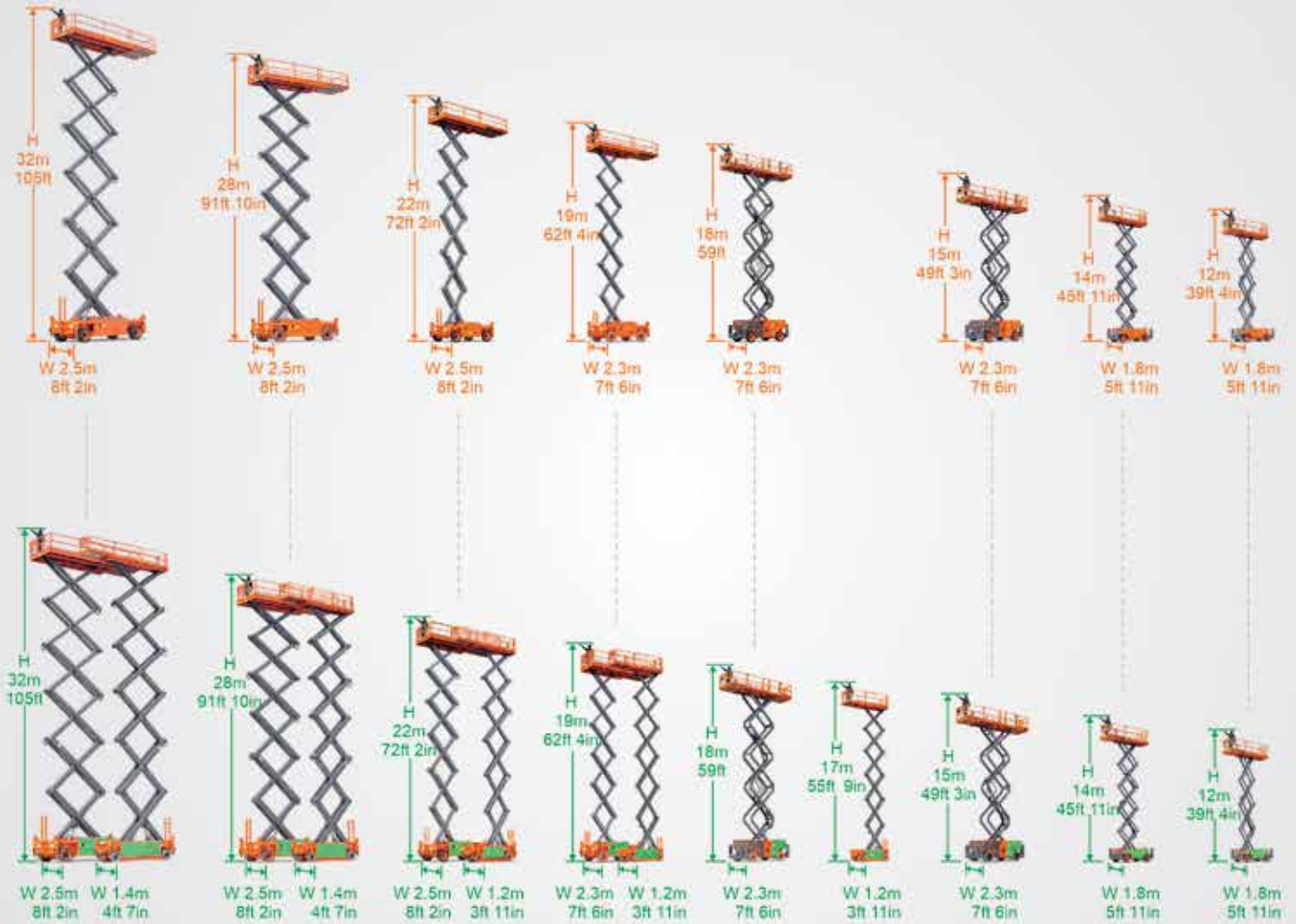
REMOTE CONTROLS

VERTIKAL DAYS SHOWGUIDE





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The biggest Vertikal Days ever will open at the Newark Showground in Nottinghamshire on September 11th with a record number of exhibitors and products on display. Our comprehensive guide contains everything you need to know about the show, the exhibitors and the products they plan to showcase.

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ON THE COVER

Vertikal Days 2024 at the Newark Showground will be the biggest gathering of cranes, aerial work platforms and telehandlers and associated equipment in Europe this year. For a full run down of the event and exhibitors see the Show Guide starting on page 37.



IN THE NEXT ISSUE Scheduled for publication mid-October the next issue of Cranes & Access will include the 2024 Vertikal Days Show review, as well as features on Spider and mini crawler cranes, Access equipment for arborists, The Top 30 rental companies fleet survey and report and we take a look at Sustainability, renewables and recycling. If you have any contributions or suggestions to make or are interested in advertising in this issue, please contact our editorial or sales teams.



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COMMENT

IMPROVEMENT OR UNNECESSARY COMPLEXITY?

A few months ago, we hired an 'average' medium sized SUV to drive to Intermat in Paris. After receiving the keys and being told it was an automatic, I sat staring at the controls for five minutes not seeing a gear selector or start button. Spotting my confusion the agent came out to the rescue explaining that it was a hybrid, which starts and drives off in electric mode - i.e. no engine to start - and the gear selector was a small stubby knob hidden behind the steering wheel/indicator stalk and impossible to see from the driver's seat.

Once on the move it took a hundred miles or so to begin to get my head around all the technology, including all manner of beeping sensors going off and several screens showing a 3D-radar type view of the car on the road with the surrounding traffic. I must admit that I spent far too much time trying to understand all the tech and trying to turn off all the 'features' I did not want or need, while I should have had my eyes on the road.

Have we reached a point where manufacturers are designing overly complex products simply because they can? Updating merely for the sake of it? This is a question some are asking about certain crane, aerial lifts and telehandler models.

Larger truck mounted platforms have had telematics and remote diagnostics for years and while this caused some early issues they are now much appreciated. But older models now require new modems as 2G and 3G antennas are closed down. The cost - around €2,000/£1,500 a unit to retain the features. Meanwhile mobile cranes and other equipment require major software updates from time to time - but who pays for it? A sat nav upgrade on a car costs upward of £200 even

though you paid handsomely for the system when you bought it.

We have all cursed Microsoft and Apple when a new operating system forces us to buy new software or they make changes to a programme or app we were very happy and comfortable with. Whether it's a PC or a smart phone, most users only use a fraction of the available computing power or features.

Apparently, this year there will be few, if any AAA video games launched. They have become so complex that they now take years to develop and cost far more than a major Hollywood blockbuster. Yet the vast majority of players only use a fraction of their capabilities, moving on to other games well before reaching the depths available.

Just because something is technically possible does not mean we need it, want it or should have to pay for it. A counter-revolution has been brewing, even in the equipment market, as customers seek simpler, less tech-loaded products that are often cheaper, more reliable and easier to repair and without electronics that can disable a machine when they malfunction, forcing us to go to a main dealer...and pay their inflated prices.

The ability for a factory engineer to diagnose and fix an issue remotely is of course incredibly valuable and can save the cost and time of call outs, while sparing the heartache of trying to reach an empowered person in customer services. But this should not mean tech for tech's sake.

Oh, and by the way, after several hundred miles with the hi-tech rental car, had I become a convert? Absolutely not, halfway through the trip I yearned for the simplicity of my 'old school' low tech car.

Mark Darwin

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

TWO MORE TEREX RTs

Terex Rough Terrain Cranes has added the 100 tonne TRT 100 and the 60 tonne TRT 60 to its new TRT Series, following the introduction of the long boomed 80 tonne TRT 80L in June.

The TRT 100 is rated at 2.5 metres radius with 86.8 tonnes at three metres and features a 47 metre five section main boom with a fully extended capacity of 8.9 tonnes at a 12 metre radius. A nine to 17 metre bi-fold swingaway extension can be added for a maximum tip height of 66 metres. The 10 tonne counterweight can be self-installed and removed to reduce the overall weight of 53.25 tonnes. The stowed width is 3.17 metres with an overall length of 14.1 metres and an overall height of just under four metres.

The 60 tonne TRT 60 is rated at a 2.3 metre radius and manages 50 tonnes at three metres. It features a 42.5 metre five section main boom and can handle eight tonnes on the fully extended boom at a nine metres radius.

An eight to 15 metre bi-fold swingaway extension takes the maximum tip height to 60 metres with up to 40 degrees of offset.

The key change on both models is new technology. They are the first Terex RTs with the 'Idealift' variable asymmetric outrigger set up and monitoring with the crane automatically calculating a load chart for the actual outrigger set up. Power comes from a Cummins Stage V diesel, with a Stage III - Tier 3 option.



SINOBOOM UPGRADES RT SCISSORS

Sinoboom has upgraded four models in its Rough Terrain scissor lift range - the 43ft 1323RD and 1323RE and the 53ft 1623RD and 1623RE - two diesel the others electric.

The main changes are tweaks to the drive train that are said to deliver a 20 percent improvement in real life gradeability. The wheelbase has been extended a little to 2.84 metres while deep tread tyres are now standard. Overall weight is slightly lower and better distributed between axles, resulting in a 10 percent reduction in ground bearing pressures, while the levelling jacks have a slightly wider base. As with current machines platform capacity is 680kg, with maximum working heights of 15.1 and 18.2 metres respectively.

Other changes include a new roll out deck extension mechanism for the standard 6.5 metre extended platform, while the popular 7.4 metre super deck option remains available. The lower controls have been upgraded to an electric control box with improved wiring harness and simplified componentry while a small door provides greater protection.



NEW RECYCLING CRANE

Hiab has launched an 18 to 19 tonne/metre Jonsered iZ.18R HD crane for recycling applications. It comes with a choice of three total extension lengths - 8.6, 9.0 and 10 metres - with a rising articulated link topped by a three section telescopic boom. Maximum capacities range from 5,300kg at three metres on the short boom model to 3,950kg on the 10 metre boom, while at full reach they can manage 1,900kg at 8.3 metres and 1,400kg at 9.7 metres respectively.

The cranes are equipped with Hiab's SPACEvo control system, along with the Olsbergs Q200 valve, part of a new system of hydraulics, sensors and cables that the company says will provide long term durability for high frequency cycle duty work. The iZ.18R HD has been designed for a minimum of eight hour continuous daily work shifts, with an S3 classified structure.



NEW MODEL FROM SAFELIFT

Swedish low level aerial lift specialist Safelift has launched a new version of its locally built low level self-propelled mast type lift, the 10ft MA50-R.

As with the original MA50, the MA50-R has a working height of five metres, overall width of 760mm and an overall length of 1.16 metres. The platform dimensions are also the same at 530mm by 760mm with a capacity of 180kg. The MA50-R features a retractable guardrail system that allows the user to reduce the platform dimensions to 530mm x 550mm in order to reach through 600mm x 600mm false ceiling openings.



BUILDING IN EUROPE FOR EUROPE

Sinoboom is to start manufacturing European built booms and scissor lifts at its plant in Poznan, Poland. The facility is currently producing ANSI boom and scissor lifts for the USA, but European models will start being added to the mix in the new year, with North American production shifting to a new plant under construction in Mexico.

The Poznan plant has a capacity of around 10,000 units a year depending on product mix. While the catalyst for building US and now European machines at the plant was the threat of import tariffs, Sinoboom says the move fits well with its ambition to build machines local to where they are to be sold and used.

Over the past two years the facility has been building a local supply chain with non-Chinese content now approaching 70 percent in value terms, including pumps and control units from Germany, valves, electric motors and hydraulic motors from Italy, fabrications, wiring and hoses from Poland, scissor stacks and counterweights from India, batteries from Vietnam and generators from the USA. Booms, hydraulic cylinders and the control systems still come from Sinoboom in China. The plan is for most, if not all of the machines on its Bauma 2025 stand to be European built.

The company will also open a UK sales office/warehouse - Sinoboom UK - managed by Craig Rooke previously with CTE and has also recruited a new European sales manager - Rik Kiddle - who previously worked with Terex Finlay and JCB.



SPT LAUNCHES S7 CE VERSION

Chinese spider crane manufacturer SPT has launched a CE version of its new 2.98 tonne S7 spider crane. The crane features a three section telescopic luffing jib for a maximum tip height of just over 17 metres with a capacity of 600kg. With the boom at maximum elevation of 80 degrees the jib can luff down to horizontal with a jib tip capacity of 400kg, a radius of six metres and a hook height of just over 11 metres. Maximum radius is 14.5 metres with 100kg on the hook.

The overall width is 770mm extending to just over a metre for travel, overall length is 3.9 metres and overall height 1.95 metres. Total weight with jib is 2,900kg. Power comes from a Kubota diesel and single phase plug-in electric motor for working inside while a radio remote controller with large LCD colour display is standard.



LIFTING A BULLET TRAIN

Japanese lifting gear supplier Nakamura Industry has supplied Modulift spreader beams to handle Hitachi EMU3000 Bullet Train exports to Taiwan.

The solution uses two Mod 34 spreader beams with a 3.5 metre span to ensure that the train's weight is evenly distributed for loading in Japan and unloading at Hualien Port in Taiwan. A total of 50 trains with 12 carriages each will replace eight aging carriage trains.



SANY CRANES TARGETS GERMANY

Chinese crane and telehandler manufacturer Sany is to target the German, Swiss and Austrian mobile crane markets which it says are the most challenging and demanding crane markets in Europe.

The operation will be based at its existing facility in Bedburg, east of Cologne, where it will hold 'significant inventory of new cranes' for fast delivery, along with replacement parts and service support. Sany opened the facility in 2011 for its earthmoving equipment and now employs around 120 people in sales, service and product preparation roles. The 35 acre/14 hectare site has a production hall, paint shop, warehouse and offices as well as the Sany hotel.



NEW MAEDA ENTERS SERVICE

The first 2.8 tonne Maeda MK3053-C spider crane in Europe has been delivered to UK rental company Hird. The new crane features a five section main boom with a three section telescopic jib for a maximum tip height of 16.95 metres at which point it can handle 50kg. It can also take it out to the maximum radius of 14.5 metres.

The new crane completed its first job at the 13,000 seat First Direct Arena, West Yorkshire, where it lifted a steel LED screen support frame weighing 150kg to a height of 12 metres over a safety rail and onto a mezzanine deck. The crane's compact dimensions - 3.2 metres long, 780mm wide and 1.95 metres high - coupled with its reach, made it an ideal machine for the job, while its non-marking tracks avoided black scuff marks.



ROLL'S NEW 3,000T GANTRY

Dutch international heavy lift and transport company Roll Group has completed the first two lifts with its new RMG Modular Gantry Crane system. The lifts, carried out at a petrochemical facility in Cilegon, West Java, Indonesia both exceeded 1,000 tonnes.

The gantry was erected to a height of 97 metres - the maximum is 120 metres. A 1,250 tonne Demag CC6800-1 crawler crane was used as a tail-in crane for the largest tower component which had an overall weight of 1,060 tonnes. The system is able to operate without guy wires, minimising disruption on site. Once the Cilegon Project is complete, the gantry will head to the Middle East where it will remain for the next two years.



NEW LGMG BOOM LIFT

Chinese aerial lift manufacturer LGMG has launched a 60ft Rough Terrain articulated boom lift, the AR18JE. The new lift features a classic sigma type dual riser topped by a two section telescopic boom and articulating jib, providing a maximum working height of 20.12 metres. The maximum outreach is 10.9 metres with an unrestricted 260kg platform capacity at an up & over height of 7.7 metres, while the 350kg maximum platform capacity is available at up to eight metres outreach.

The AR18JE has an overall width of 2.5 metres with an overall transport length of 6.42 metres with the jib tucked under which raises the overall stowed height from 2.47 to 3.07 metres. The machine features a four wheel axle type drive system with oscillating axle, four wheel steer and 45 percent gradability. Power comes from an 80V lithium ion battery pack, while the overall weight is 8,150kg.

The new LGMG AR18JE



EWPA YELLOW CARD GOES DIGITAL

Australia's Elevating Work Platform Association - EWPA - has launched its new 'Digital EWPA Operator Licence - Yellow Card', a secure card that can be stored in a digital wallet.

The organisation has been providing aerial work platform training through its Yellow Card training programme since 1987, during which time it has trained well over 500,000 operators. Replacement cards and licence verification will continue to be available on the EWPA website. A digital version of its TSHA Gold Card for telehandlers is also available.



Digital Yellow Card Licence



Physical Yellow Card Licence

MORE EU ACCESS SUBSIDIARIES FOR ZOOMLION

Zoomlion is opening new European aerial work platform subsidiaries in Germany, Poland and Italy, joining its existing access operation in the Netherlands. Typically, each location will be based around a dedicated warehouse and workshop of around 20,000 square metres along with a showroom and offices. Each entity will hold a significant inventory of new machines and replacement parts.

The company also has plans to set up new subsidiaries in France, the UK, Belgium and Sweden along with production facilities as part of what it refers to as the 'localisation of R&D, production, sales, and services'. In 2023, Zoomlion's export revenues jumped by more than 79 percent to RMB17.9 billion (\$2.47 billion), or around 40 percent of total revenues.



SAFETY SWITCH ERROR KILLS FOUR

The coroner for the Bas-Saint-Laurent region of Quebec has issued his findings on a quadruple scissor lift fatality in Saint-Léandre, last August. Two couples - Kim Blouin, 24 and her partner Émerik Chénard, 27, along with his mother Jocelyne Bouchard, 53, and her partner Marco Roy, 60 - were in the fully raised platform of an ageing 50ft JLG 500RTS Rough Terrain scissor lift when it overturned.

According to the coroner a safety switch on the machine, borrowed from a neighbouring farm, had been tampered with so that the lift and drive functions were not disabled when the platform reached its maximum free on wheels height of 6.7 metres. As a result, the levelling jacks had not been deployed, and it was driveable at full height.

Coroner Jean-Pierre Chamberland said: "At such a height, without the stabilisers, it takes very few factors to cause the equipment to roll over. The malfunctioning of the oscillating axle, incorrect tyre pressures, the occupants moving to the same side of the platform, the sloped ground or a combination of these factors."



£3 MILLION FOR BOOM LIFT FATALITY

UK recycling company Veolia Environmental Services has been fined £3 million, plus £60,000 in costs, following a fatal incident involving a boom lift. On the 17th of October 2019 Stephen Picken and Mark Kumar were working as 'Top Men' for Veolia, dismantling a North Sea gas rig at an onshore facility in Great Yarmouth, part of a major decommissioning programme in the region.

At the time the two men were removing an overhanging skirt pile weighing in excess of 27 tonnes when it suddenly broke away from the rig and struck the Genie Z-135/70 boom lift they were using, throwing them around 12 to 14 metres to the ground. Stephen Picken died at the scene, while Mark Kumar suffered serious life changing injuries.

The investigation identified serious failings with the planning of the work and relevant risk assessments which did not adequately cover the planned works, while shortcomings in supervision were also identified.





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 ⤴ Turning Radius: 0°

BRAVI
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LEVEL UP



FIRST TOWER CRANE DIPLOMA

Potain has hosted and is supporting France's first tower crane erector diploma programme at its training academy in Saint Pierre de Chandieu on the South East side of Lyon. The diploma - organised by the country's rental and distributor association DLR - involves theoretical and hands on training for tower crane installers.

Students will receive a state recognised diploma after completing the 10 week theory and practical course combined with completion of additional assembly activities within their allotted companies as part of a work/study contract. The course will be an accepted diploma listed on the Parcoursup platform, where high school students can apply to various colleges. When the Diploma is fully recognised, funding will also be provided to help with training costs.



PALAZZANI PLATFORM SUPPORT OPTION

Palazzani has introduced a new compact basket support frame designed to improve the installation or removal of the platform when working in tight spaces or on uneven ground.

The support frame allows the spider lifts to be easily converted into a spider crane by replacing the platform with a 500kg hydraulic winch and then using it in crane mode.



NEW TOP 10 US RENTAL COMPANY

Two fast growing US rental companies - Synergy Equipment and Opifex Enterprises - are merging, creating one of the top 10 largest rental companies in the USA.

Tampa, Florida based Synergy Equipment was established in 2012 and covers the southeast region from 22 locations across Florida, Georgia and Alabama, while Texas based Opifex Enterprises was set up in 2018 and operates from three locations in Austin/Buda, San Antonio and Bryan/College Station. In 2022 it secured \$65 million of debt financing from a consortium led by Houston based GP Capital Partners.

The 'combined' venture has received equity capital from Synergy founder and chief executive JC Mas as well as private equity firm Avance Investment Management. The two rental companies offer a similar range



of products, including aerial work platforms and telehandlers, as well as earthmoving equipment. The two companies will continue to operate under their existing brands, with the merged business led by a five person management committee headed by Synergy chief executive JC Mas along with its chief operating officer Jeff Karter and chief financial officer Scott McPhail, working alongside Opifex chief executive Jay Vaughn and president Stefan Gresham.

BARNHART MOVES INTO NEW MEXICO

US based Barnhart Crane and Rigging has acquired crane, aerial lift and telehandler rental company Mountain States Crane of Albuquerque, New Mexico, its fifth acquisition this year and its first in New Mexico. All Mountain States' employees are expected to remain with the business as it becomes Barnhart Albuquerque.

Barnhart vice president, Chris Howe said: "Over the past 25 years, Mountain States Crane has earned a reputation for superior service, they are known in the industry for



their highly trained and experienced operators and riggers as well as a comprehensive and well maintained fleet. It covers an area with a 400 mile radius around Albuquerque in central New Mexico and complements our branch in Arizona as we expand further Southwest."

Earlier this year, Barnhart acquired White Crane of West Columbia in South Carolina, Baxter Crane

in Tupelo, Mississippi and Holland Crane of Forest City, Iowa, and in June made its first international move, with the purchase of NCSG in Canada. Memphis, Tennessee based Barnhart now operates from 59 locations providing operated crane rental, rigging services, outage planning, specialised solutions for component replacement, industrial storage and national project logistics.

AUCTION RAISES £41 MILLION



Equipment auctioneer Euro Auction's latest UK sale in Leeds this month, saw about 7,500 lots sold for a grand total of £41.2 million.

Some decent prices were achieved for both aerial work platforms and telehandlers. A selection supplied by Euro Auctions can be seen below.

Aerial work Platforms

Year	Model	Sale price
2018	Genie GS1932 Electric Scissor Lift	£3,800
2014	JLG 4069LE Electric Scissor Lift	£8,500
2018	Genie GS4390 4x4 Diesel Scissor Lift	£15,500
2018	Skyjack SJ9250 4x4 Diesel Scissor Lift	£15,500
2017	JLG 530LRT 4x4 Diesel Scissor Lift	£16,500
2018	Genie GS3369RT 4x4 Diesel Scissor Lift,	£14,500
2013	Genie Z-135 4x4 Diesel articulated Boom	£42,000
2019	Genie Z45/25J 4x4 Diesel Articulated Boom	£27,500
2017	Skyjack SJ45T 4x4 Diesel Articulated Boom	£20,000
2015	JLG 450AJ 4x4 Diesel Articulated Boom	£17,500
2015	JLG 450AJ 4x4 Diesel Articulated Boom	£19,000
2018	Manitou 200ATJ 4x4 Diesel Articulated Boom	£26,500
2018	Skyjack SJ85AJ 4x4 Diesel Articulated Boom	£29,500
2019	Skyjack SJ85AJ 4x4 Diesel Articulated Boom	£27,000

Telehandlers

Year	Model	Sale price
2020	JCB 540-200 Turbo Powershift	£52,000
2021	JCB 540-180 Hi Viz Turbo Powershift	£50,000
2019	JCB 540-180 Hi Viz Turbo Powershift	£39,000
2020	Manitou MT1840 Turbo	£37,500
2019	Manitou MT1840 Turbo	£33,000
2019	JCB 540-170 Turbo Powershift	£41,000
2015	JCB 540-170 Turbo Powershift	£35,500
2019	JCB 540-140 Hi Viz Turbo Powershift	£31,000
2017	JCB 540-140 Hi Viz Turbo Powershift	£23,500
2019	Manitou MT1440 Turbo	£24,000
2018	Manitou MT1440 Turbo	£23,500
2018	Bobcat T36120SL Turbo	£24,500
2019	JCB 535-125 Hi Viz Turbo Powershift	£24,500
2019	JCB 535-95 Turbo Powershift	£28,000

J2L ACQUIRES KRANLYFT



Swedish family investment company J2L Holding has acquired Kranlyft - the European master distributor for Meada spider and mini crawler cranes - from its private equity owners Storskogen Utveckling.

J2L Holding was set up in 2009 by chief executive Johan Lindh and chairman Louise Lindh, with the goal of building an industrial group that invests in a range of companies for the long term and helping them grow and develop. It has no centralised head office staff to interfere on a day to day basis, preferring to leave the running of the business to the management team, focusing more on the results, providing support and any advice or additional funding when needed.

Kranlyft chief executive Jurgen Vater said: "I am pleased that Kranlyft is now a part of J2L Holding, given their long term perspective and the stability they offer as owners. Our team looks forward to continuing to develop Kranlyft and create value for our customers, partners and owners."

Johan Lindh of J2L added: "We are very pleased to enter as new owners and look forward to working with management and staff, to continue to develop the business."

Kranlyft owners over the years

1963 - Founded by Bert Jonsson and Staffan Ferön

1980 - Cinderella

1983 - Kullenberg

1984 - Nordstjernen

1984 - MBO - 1

1989 - Componenta

1994 - Svedala/Componenta

2001 - Metso

2002 - MBO-2

2016 - Storskogen Utveckling

2024 - J2L



Louise and Johan Lindh

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FINANCIALS ROUND-UP

Genie/Terex AWP saw first half revenues rise 9.5% to \$1.65 billion, while operating profit improved 11.2% to \$242.1 million. However, order intake declined 33% to \$829 million. Full year forecasts are for revenues in the range of \$3.15 to \$3.25 billion. **Terex Group** revenues were flat at \$2.67 billion with a pre-tax profit of \$310.6 million, a 4.4% decline. Net debt at the end of June was 21% lower at \$346.3 million.



Palfinger saw first half revenues decline 3.5% to €1.17 billion, with growth in Europe, North America and Asia Pacific offset by declines in South America and CIS countries. Pre-tax profit fell 6% to €90.5 million, while net debt at the end of June was 5.6% higher at €763.3 million.



Manitou posted first half revenues of €1.41 billion marginally higher than last year, but order intake was halved to €1.43 billion. Operating profit however jumped 41.6% to €126.3 million driven by higher prices and improved efficiencies and a benefit from the acquisition of two Italian suppliers at the end of last year. Net debt was 4.2% higher at €424.7.



First half revenues at US based **United Rentals** increased 6% to \$7.26 billion driven by the Ahern acquisition. Pre-tax profit jumped 12% to \$1.53 billion. Capital expenditure in the first half was \$2.02 billion, marginally lower than last year.



US based **Herc Rentals** saw first half revenues improve 7.5% to \$1.65 billion, thanks to a 3.5% hike in rental with rates. Pre-tax profit slipped 2% to \$174 million. Capital expenditure declined more than 33% to \$46 million, pushing the average age of the fleet from 46 to 47 months. Net debt increased marginally to \$3.8 billion.

Herc also acquired **Otay Mesa Sales** with four locations in San Diego, California plus Phoenix and Yuma, Arizona for \$264 million.



JLG/Hinowa revenues increased 5% to \$2.64 billion, while operating profit jumped 32% to \$454.6 million due to higher prices, higher volumes and better customer/product mix. The order book declined 25% to \$3.26 billion. It is forecasting full year revenues of \$5.3 billion - up 6.5% on 2023.



Lift equipment supplier **Kito Crosby** is to acquire overhead crane and production line equipment manufacturer **eepos**. No details of the transaction have been released.

First half revenues at Brazilian rental company **Mills** improved 11% to BR 602.8 million (\$110.4 million). Pre-tax profit was BR 190.9 million (\$35 million), up 4.2% and capital expenditure BR 327.1 million (\$60 million) down 15.9%. The company also acquired industrial forklift rental company **JM Empilhadeiras** for BR310 million (\$56.8 million) in June.



Hiab saw first half revenues fall 8% to €847 million with order intake declining 3% to €734 million, leaving the order book 15% lower at €676 million, in line with long term trends. Operating profit was 4% lower at €137.4 million.



Two fast growing US rental companies - Tampa based **Synergy Equipment** and Texas based **Opifex Enterprises** - are merging to create the USA's ninth largest rental company.



Terex is to acquire waste and recycle business **Environmental Solutions Group** in a \$2 billion all cash deal from its owner, Dover.



Manitowoc Crane's first half revenues declined around 5% to \$1.06 billion due to exchange rates and slower tower and mobile crane sales. Order intake slipped 8.5% to \$982.5 million, leaving the order book 19% lower at \$836 million. Pre-tax profit was \$9.6 million compared to \$35.7 million a year ago. The company has cut full year forecasts by around 5%.



Snorkel has finally published its 2023 full year financials with total revenues up 11.8% to \$188.7 million, thanks to higher prices and volume. Pre-tax profit for the period was \$4.2 million, compared to a loss of \$16.5 million in 2022. However, a \$31.8 write back or 'forgiveness' boosted the bottom line in 2022 to \$15.3 million. The delay in publishing figures resulted in a Court forcing Snorkel to hand over its results to minority shareholder **Tanfield** more promptly.



Aberdeen, Scotland, based lifting gear rental and inspection company **First Integrated Solutions** has acquired UK lifting gear rental and service company **Tusk Lifting** from **Mammoet**. This is the second acquisition for First Integrated in 18 months, it purchased North Sea Compactors last year.



Italian loader crane manufacturer **Fassi Gru** has acquired German truck body manufacturer **Bavaria Fahrzeugbau**, which was created from the merger of Albert Fahrzeugbau, Zanner Fahrzeugbau, and Nüsslein Michael Fahrzeugaufbauten. The combined group employs around 130 people and produces a range of custom bodies for commercial and heavy vehicles from refrigerated vehicles to tipper trucks and loader cranes.



SECOND GENERATION JEKKO

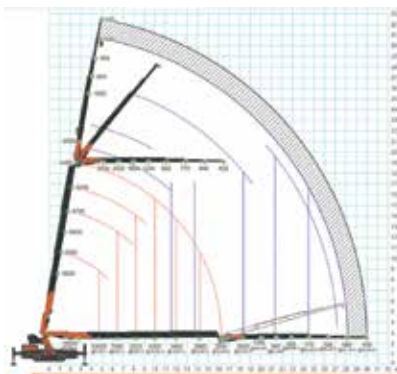
Italian manufacturer Jekko has announced a second generation version of its 15.5 tonne JF545 articulated tracked crane, the JF545.2. It retains the same six section boom and seven section jib for a maximum tip height of 32.5 metres with a capacity of 450kg, which it can also handle at the maximum radius of 30 metres. With the boom fully elevated and the jib horizontal it can also lift 450kg at a radius of 16.5 metres and up & over height of 19 metres.



One of the key changes is a new Variable Speed Engine Management system, said to provide faster, smoother and more precise operation and reduced fuel consumption. The operator can choose from three working modes - Eco, Normal or Power - to match performance characteristics to the application. All engine information such as RPM, fuel levels and time left before refuelling are displayed on the crane's seven inch touch screen, waterproofed to IP66 levels, and the three section outriggers now have more set up positions.

The diesel engine is now equipped with a DPF filter with automatic management to minimise emissions, while the hydraulic system has been redesigned and now includes a dedicated electric powered hydraulic oil cooler. A three phase plug in electric motor is available for working indoors or noise/emission sensitive areas.

The stowed crane has an overall width of 1.84 metres, an overall height of 1.83 metres and is 5.83 metres long. Options include a low temperature pack with a pre-heating kit and work platform with a maximum working height of 32.2 metres and a platform capacity of 200kg.



STAFFORD TO BUILD STS CRANES

Irish American crane company Stafford Crane Group is designing and developing an all-new American built ship-to-shore (STS) port crane at its crane design centre in Milan, Italy. The move has been stimulated by announcement from President Biden's White house in May, announcing that the US government is to place a 25 percent tariff on imports of Chinese built Ship to Shore port cranes. There are currently no North American manufacturers of STS port cranes.



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Comprehensive Upgrade Fourteen Benefits

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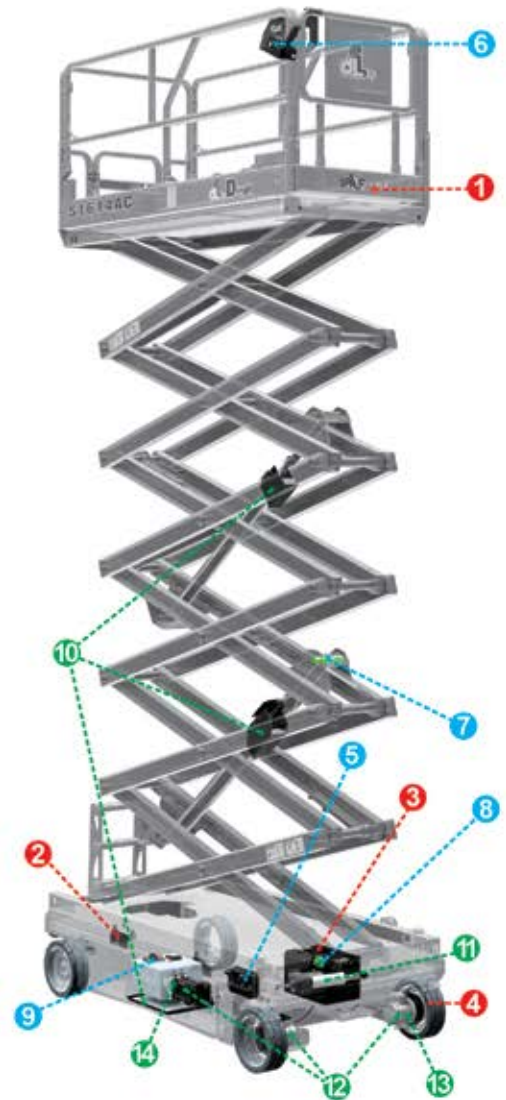
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- 14 **Highest Efficiency Electric Lift Pump System**
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AC+

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Working Height	8m	8m	10m	10m	12m	14m	16m	16m
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NEWS HIGHLIGHTS

■ LGMG has appointed **Carlo Forini** as telehandler sales director for western Europe, while **Gaetano Gallo** joins as telehandler service manager



Carlo Forini

Gaetano Gallo

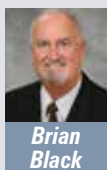
■ German rental company **Cramer** has taken two 18m **Easylift** R180 spider lifts

■ Germany's **W.Schnitger** has taken a 2.5t **FB Gru** GA 727 D80 self-erecting tower crane

■ Sweden's **Kranpunkten** has taken 39 big **Dingli** electric boom and scissor lifts

■ Northern Ireland's **SDC Trailers** has purchased 11 **Sunward** scissor lifts for its production lines

■ LGMG North America has hired **David Sexton** as regional sales manager, Northeast



David Sexton

■ Access industry veteran **Brian Black** has died

■ UK based **SDM Fabrication** has taken a 60t **Liebherr** LTM 1060-3.1

■ **Herc Rentals** has acquired **Otay Mesa Sales** of California and Arizona

■ **Lee Sadler**, general manager of UK based **Sparrow Crane Hire** has died



Lee Sadler

■ Germany's **Gigalift** has taken a 31 metre **Bluelift** SA31 spider lift

■ **Geda** lifts and hoists are helping renovate the iconic Oslo City Hall

■ Germany's **Buller Krane** has taken a 200t **Grove** GMK5200-1

■ Crane operator **John Hoffpauir**, 55, died on August 5th at a wind farm incident in Wyoming



John Hoffpauir

■ UK based **Marsh Plant Hire** has taken seven new **Liebherr's** ranging from 60 to 110t

■ German rental association **System Lift** has confirmed **Eternity Technologies** as a battery supplier

■ US based **Engineered Rigging** has appointed **Jorn Ingebrigtsen** as sales and service rep



Jorn Ingebrigtsen

■ The **Port of Kingstown** in St.Vincent and the Grenadines has ordered a **Konecranes Gottwald** ESP.7 mobile harbour crane

■ UK arborist **Bluetree** has taken a 24m **Socage** 24D Speed truck mounted lift

■ **Gary Fleckney** has joined UK sales company **International Platforms**



Gary Fleckney

■ US contractor **Lenkin Enterprises** has taken two 40t MDT 809 M40's, the largest **Potain** flatops in the USA

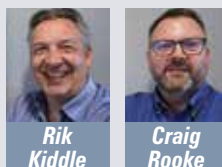
■ UK rental company **Unity Operators** has taken a 39m **Teupen** Leo 39GT Plus spider lift.

■ **Teupen** has appointed **Andreas Bub** as sales manager Central/Eastern Germany



Andreas Bub

■ **Sinoboom** has appointed **Rik Kiddle** as European sales director and **Craig Rooke** as managing director of its new UK subsidiary



Rik Kiddle

Craig Rooke

■ UK based **Bryn Thomas** has taken four 80t **Grove** GMK4080L ATs

■ UK's **Nationwide Platforms** has reinstated customer service teams at its depots

■ **Sinoboom** has broken ground on its new manufacturing facility in Mexico

■ Spanish manufacturer **Ausa** has appointed **Turkauz1 Makine** as distributor for Turkey

■ UK based **APL** and **Elavation** have joined the **Access Alliance**

■ **MEC** has appointed **William Wallwin** and **Brian Thompson** as regional sales managers



William Wallwin

Brian Thompson

■ **Manitou** has appointed **Tuyet Nga (TNC)** as a dealer for **Gehl** in Vietnam

■ Spain's **Graías del Vallés** has taken two 60t **Grove** GMK3060L-1 ATs

■ Germany's **Schüttler** has taken an 18m **Ruthmann/Bluelift** SA18HB hybrid spider lift

■ **Terex** Rough Terrain Cranes has appointed **IPC Machines** as distributor for Kazakhstan

■ **Raimondi** has supplied five 14t LR213s to Dubai

■ UK rental company **John Sutch** has taken a 110t **Liebherr** LTM 1110-5.2

■ Spider crane manufacturer **Jekko** has appointed **Chen Li** as export manager Asia-Pacific



Chen Li

■ Italian aerial lift manufacturer **Cela** has relocated to its new plant in Castegnato

■ Italy's **Baldini** has taken a 250t GMK5250XL-1, its 14th **Grove**

■ UK based **Hudson Lifting** has opened in Bridgewater, Somerset

■ **Paul Dixon** of **Clements Plant & Access Hire** in the UK has celebrated 50 years with the company



Paul Dixon

■ Turkish contractor **Görgülü İnşaat** has taken a **Potain** MCT 185 tower crane

■ **Sarens** has gained a fourth consecutive RoSPA gold award

■ UK's **Hire Safe Solutions** has taken six 99ft **Haulotte** HA32 RTJ Pro boom lifts

■ Germany's **Gustav Seeland** has taken a 250t **Grove** GMK5250XL-1

■ Italy's **Danicar** has taken two new **Multitel**s, a 17m MXE 170 and 32m MJ320

■ **Mammoet** has been appointed exclusive heavy lift/haulage supplier for the new **Teeside Freeport** in the UK

■ **Peerless Chain** - part of **Kito Crosby** - has opened a new facility in Winona, Minnesota

■ Crane veteran **Frank Bardonaro** has been appointed CEO of **Brock group**

■ **CTE** has confirmed the new organisation for its UK subsidiary - **CTE UK**

■ UK based **City Lifting** has taken the first 100t **Liebherr** LTM 1100-5.3 in the UK

■ Germany's **Ulferts & Wittrock** has ordered nine **Liebherr** MK 88-4.1 and three MK 140-5.1 self-erecting mobile tower cranes

■ **KönningKrane** has taken its first **Liebherr** All Terrain, a 180t LTM 1160-5.2

■ China's **Liugong** has appointed **Glyn Goodwin** as UK aerial lift sales manager



Glyn Goodwin

■ Germany's **Zeppelin Rental** has taken its 1,000th **Skyjack** platform, a 26ft SJ4726 E

■ Saudi Arabia's **Al Askar** has taken 26 refurbished **Liebherr** All Terrains from 50t to 110t

■ The Jo'Burg team of South Africa's **Eazi Access** has raised R60,000 for **St Janes Chantel home for children**

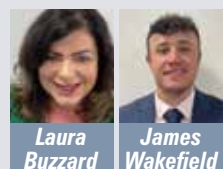
■ Germany's **Spohn + Burkhardt** has opened a facility in Connecticut, North America

■ Veteran UK based crane operator **Trevor Churchill** has died

■ US rental company **Reynolds** has taken a 200t **Tadano** GTC-2000 telescopic crawler crane

■ UK rental company **Star Platforms** has appointed two business development managers

- **Laura Buzzard** for the North West and **James Wakefield** for the South West - along with **Stuart McDermott** as IPAF trainer



Laura Buzzard

James Wakefield

■ **Kito Crosby** has promoted **Peter Hird** to commercial & business development lead for its Technology Solutions Division

■ Australia's **United Forklift and Access Solutions** has taken its 5,000th **Haulotte** platform



Peter Hird

■ France's **Foselev** has taken seven new **Grove** cranes

■ UK access rental veteran **Andy Pearson** is retiring



Andy Pearson

■ **JCB** has formed a partnership with the America's **Monster Jam** and produced its own monster truck - DIGatron

■ US based **Crane Service Inc.** has taken an 800t **Liebherr** LG 1800-1.0 wheeled lattice crane

■ Poland's **Karmax** has taken a second 100t **Grove** GMK4100L-2

■ Swiss rental company **Maltech** has taken seven 20m **Socage** Forste 20D Speed truck mounted lifts

■ US manufacturer **Caldwell Lifting Solutions** has appointed **Steve Mueller** as regional sales manager - Upper Midwest



Steve Mueller

■ UK based **Bennetts Cranes** has deployed the world's first **Potain** MR 309 in London

■ **PG Platforms** has taken the first 25m **Multitel** MJE250 truck mounted platform in the UK

■ **CMC Arbeitsbühnen** has appointed **Baywa Technik** as service partner in Bavaria and Baden-Württemberg

■ **Titan Aero** - now part of **Klubb** group - has appointed **Patrice Lamendour** as chief executive

■ **Terex** Self Erecting Cranes has appointed **Lift24** as its distributor in Poland.

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A TIME OF OWNERSHIP CHANGES?

How much more tech can you add to a loader crane? With more acronyms and abbreviations for new 'wizzo' features than any other equipment sector, have loader crane manufacturers reached a technology plateau? It certainly seems like they are finally taking a breather. The past year or so has only seen a handful of new product launches, and most of these have been additions to existing ranges rather than new technical developments. Manufacturers are also focusing more on product lifetime (aftermarket) services rather than new hardware. And this at a time when ownership and financial structures are changing. We take a look at whats going on.

The combination of uncertainty and lack of stability in the global economy coupled with increasingly environmentally conscious customers and legislation - such as the EU's 'Right to Repair Directive' (R2RD) - are encouraging more crane owners to delay new investments and hold onto their equipment longer, which is having an effect on new product sales. Loader cranes are no exception, in fact they might even be a leading indicator. These facts have, without doubt, caused many manufacturers to focus on their forward strategies specifically at growing 'non machine sales'. This has also involved companies like Hiab, Palfinger and Fassi getting out on the acquisition trail to invest in dealers, crane service companies and truck body builders.

FASSI EXPANDS

At the end of July Italian loader crane manufacturer Fassi Gru acquired German truck body manufacturer Bavaria Fahrzeugbau, itself a merger of Albert Fahrzeugbau, Zanner Fahrzeugbau and Nüsslein Michael Fahrzeugaufbauten. The company employs around 130 people and produces a range of custom bodies for commercial and heavy

vehicles serving various sectors with everything from refrigerated vehicles to tipper trucks and loader cranes.

Last year its French subsidiary Fassi France acquired Forez-Bennes - a 50 year old French company with a plant in Champdieu in the Loire - that designs, manufactures and installs truck tipper beds. The addition expands Fassi France which already includes Marrel - which produces Ampliroll hook lifts - and the industrial body shops Miltra Paris Nord, Miltra Provence and Decauville. In 2016 it acquired a major stake in spider crane manufacturer Jekko with the resulting partnership leading to the JF range of track mounted loader cranes in 2018.

Fassi was established in 1965 by Franco Fassi and is now run by his son Giovanni Fassi. Today it is one of the top three loader crane manufacturers globally, manufacturing around 12,000 cranes a year with revenues of €470 million. Earlier this year London, UK based private equity firm Investindustrial Group acquired a 70 percent stake in the Fassi business. Investindustrial said that the primary objective of its investment is to 'garner fresh resources to bolster Fassi Gru's global standing'. The Fassi family still hold a 30 percent stake in



The Bavaria Fahrzeugbau employees during the visit from Fassi team members



Fassi's largest loader crane the 160 tonne/metre F2150

the business and continue to run it as before, but now need to report to the owners in the same way that Hiab and Palfinger report to shareholders each quarter.

TECHNO ADDITION

Fassi's latest new product launch is the 96 tonne/metre F1250R-HXP Techno, adding to the existing Techno range. It is its first crane to offer a version with nine hydraulic extensions for a 33.4 metre horizontal reach/radius with the L436 hydraulic extension installed, while the maximum



Fassi's latest product is the 96 tonne/metre F1250R-HXP Techno

powered tip height is 37 metres, but this can be increased to 43.5 metres with three manual extensions.

It also features the X-Design boom profile and is equipped with the FX990 digital control system, offering the latest generation of electronics and load stability management.

HIAB SPLITS

The Hiab name has been synonymous with loader cranes for seven decades or more and in several countries has been the generic term for an articulated loader crane. Some companies even advertise themselves as Hiab Hire, when they don't have a single Hiab built crane in their fleet. This came about as a result of it being the - or a - loader crane 'inventor' and certainly a pioneer of the concept, leading to its adoption as the generic name for loader crane, joining brands such as Hoover, Teflon, Scotch Tape, Sellotape and Post it Note.

Over the years attempts were made to drop the name since it was acquired in 1985 by Partek, which was then acquired by Kone in 2002 and then demerged as the Cargotec group three years later after several attempts to centralise in the Cargotec name - a disaster - and then decentralise as Hiab. By the end of this year, all being well, it will finally become an independent company again, after Cargotec shareholders agreed to demerge Kalmar and sell the MacGregor marine business the Cargotec name will be consigned to history just 20 years after it first saw the light of day. Hiab president Scott Phillips will become the chief executive of the new publicly quoted business.

As with other loader crane manufacturers, Hiab has reported a slow start to the year, with Cargotec chief executive Casimir Lindholm saying "delayed decision making has had an impact on customers' ordering behaviour leading to lower order intake and a smaller order book.

But service sales continue to increase and represented 27 percent of Hiab's second quarter sales, helping profitability remain on a good level at 15.9 percent of sales."

NEW HYBRID CRANES

Hiab's latest loader crane product launch is a range of 'energy efficient' medium duty cranes dubbed the eX.Hipros - electric/hybrid loader cranes that can be powered by a battery driven ePTO it calls Hiab wspr, pronounced whisper, or if the battery is drained power from the chassis engine as usual. The design employs a duplicate system to the engine driven hydraulic pump with the battery powered electric motor running a second hydraulic pump to power the crane.



The electric/hybrid Hiab wspr crane

On most models the ePTO is mounted within the crane's base for easy mounting on the chassis, while the pack for the largest cranes is mounted on the side of the chassis.

The standard wspr pack covers most of the manufacturer's models and is capable of running the crane for up to two days in most applications with the same performance levels, but is more responsive due to its instant torque. And should the battery run low during operation, the operator can switch to the engine powered PTO to finish the job. The Light Duty version is tailored for smaller cranes used for simple load drop off duties, while the Heavy Duty model will run the crane for even longer or in more arduous applications. However the pack is too large to fit within the crane base, thus the chassis side mounting. Recharge time from empty is around four hours, but the cranes can also operate while plugged into a mains outlet.

Mattias Berglund of Hiab said: "The Hiab wspr solution, operated by electric power, is better for people and the planet as it is emission free and future proofs businesses for stricter regulations. By being emission free and near silent it also provides the flexibility to operate in low or no emission zones, or late at night, thereby increasing business opportunities. This is also providing a healthier working environment for operators and the communities they serve."

EFFICIENT NEW HIABS

Hiab has also launched a new efficient four model eX.Hipro series of medium duty loader cranes including the 3.9 tonne capacity/8.0 metres outreach eX.Hipro 142, the 4.45 tonne/8.2 metre eX.Hipro 162, the 5.6 tonne/12.8 metre eX.Hipro 192 and the 5.4 tonne/17.4 metre eX.Hipro 232.

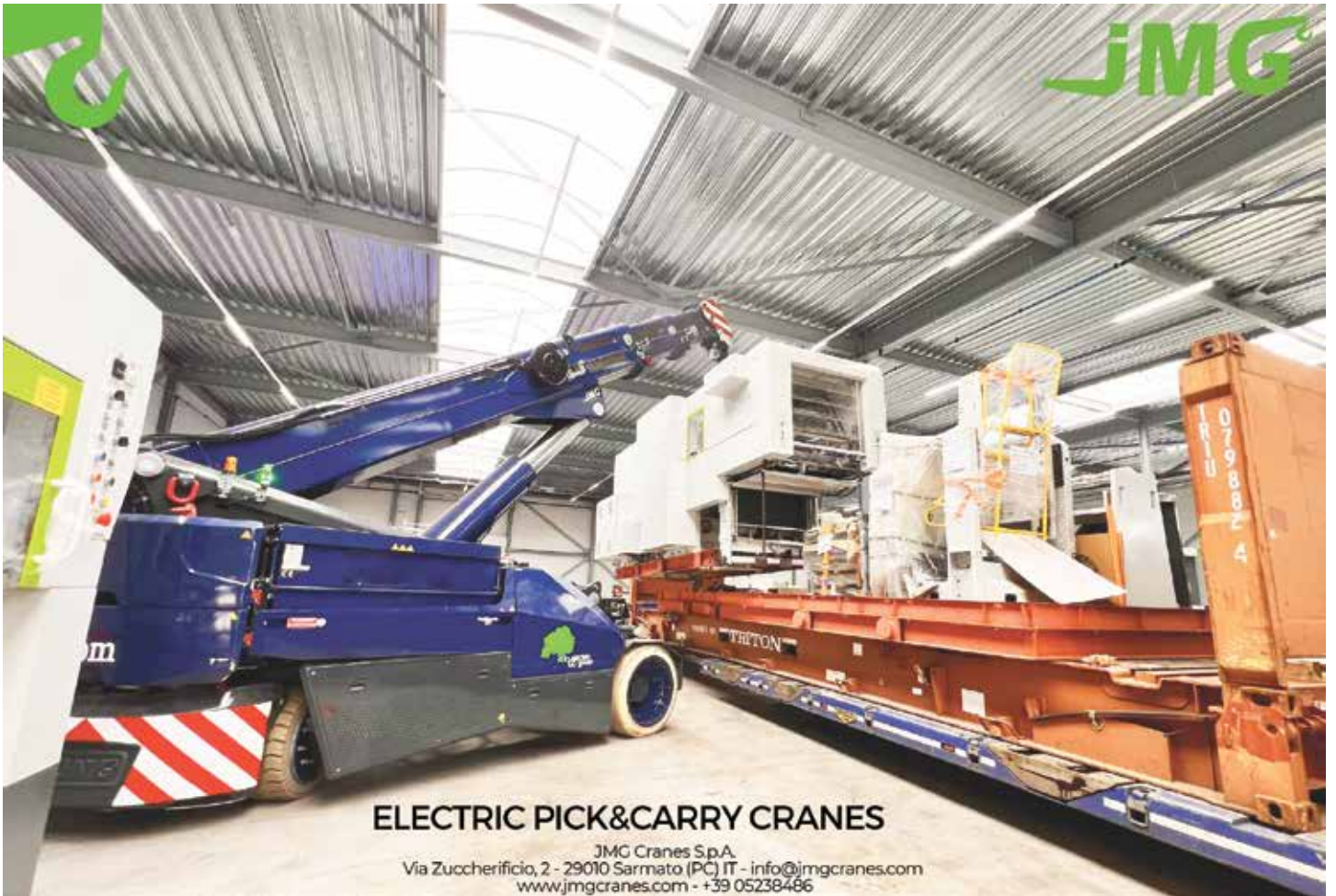
Hiab says that they have been designed for maximum energy efficiency, increased productivity and ease of use with minimal environmental impact. As such they are 'Electric Vehicle ready' and said to provide energy savings of up to 30 percent thanks to an all-new pressure compensated, load sensing hydraulic system, optimised for high oil flow, thus reducing fuel consumption and CO2 emissions. As a result, the new cranes are not only more efficient and environmentally friendly, but also quieter.

While the eX.Hipro cranes are readily compatible with electric vehicles, when they are installed on a diesel chassis they include engine controls with Dynamic RPM and Automatic Start/Stop

The Hiab name has been synonymous with loader cranes for more seven decades or more



The Hiab eX.Hipro



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LOADER CRANES

functionality for further energy savings. The cranes also include Hiab's SpaceEvo intelligent control system, combined with an Olsbergs V200 valve for smooth simultaneous multi-function operation with reduced pressure drops and heat generation. And thanks to heavy duty construction and the quality of componentry there is a two year standard warranty, with five years on the structural elements.

MYHIAB APP

Hiab has also launched MyHiab, a mobile app which it says will improve operator safety and productivity. The app allows operators to access tools to plan their working day and troubleshoot when there are issues. Features include an error code identifier, finding the nearest service agent, reminders of equipment servicing and warranty validity, daily equipment checks while sharing records of the equipment's condition digitally and accessing training videos. The app can be downloaded in Finland, France, Germany, Ireland, Netherlands, Sweden, the UK and the US with plans to make it available in more locations throughout the year.

NEW RECYCLING CRANE



The home screen of the MyHiab app

Finally, Hiab has also launched a new recycling crane - the 18 to 19 tonne/metre Jonsered iZ.18R HD - available with a choice of three total extension lengths 8.6, 9.0 and 10 metres with a rising articulated link topped by a three section telescopic boom. Maximum capacities range from 5,300kg at three metres on the short boom model to 3,950kg on the 10 metre boom, while at full reach they can manage 1,900kg at 8.3 metres and 1,400kg at 9.7 metres respectively.

The cranes are equipped with Hiab's SPACEevo control system, which should offer improved productivity and safer operation, along with a new hydraulics system, sensors and cables that will provide long term durability given that many recycling cranes work a minimum of an eight hour day.

Hiab has launched the new Jonsered iZ.18R HD



The eX.Hipro 162

All models are available with high seat, side seat - left or right - platform or cab configurations.

The first model to go into production will be the high seat configurations middle or side, while the platform and cab versions will be introduced at a later date. The control stations come with a wide range of options such as mechanical steering (2+2), remote controls and the latest electric joysticks are fully weatherproof without the need for a protective cover. All control functions including stabilisers are controlled from the joysticks.

PALFINGER UPGRADES TECS

Palfinger has introduced upgraded/new versions of two of its heavy duty cranes, the 30 tonne capacity PK 1350 TEC and 32 tonne PK 1650 TEC.

The PK 1350 TEC can handle its 30 tonne maximum capacity at a radius of just over three metres or take 23 tonnes to just over 4.4 metres and lift 500kg to its maximum tip height of almost 42 metres or radius of 48.8 metres. The 10 section 21.9 metre boom can be extended with a 20 metre, nine section jib, which can elevate to 25 degrees above the horizontal main

boom. The overall weight is 10,170kg and the maximum outrigger spread 10 metres.

The larger 32 tonne PK 1650 TEC has similar boom and reach characteristics but can handle 750kg at its maximum 37.7 metre radius or at full height. The new models are equipped with Paltronic 180 control electronics, the LX-6 control valve for smooth sensitive function control, along with high tech operator aids such as the Levelling Assistant for setting up, Memory Position and Smart Control. Following the launch of the PK 1350 TEC and the PK 1650 TEC, Palfinger's TEC range comprises 11 models.

While the two cranes are based on the original models launched in 2016 and 2017, Palfinger says that it has "completely redesigned the crane by combining its proven strengths with new, intelligent technologies. All TEC models can be equipped with Smart Control, the intelligent boom tip control system. It combines the crane movements in the background to achieve the exact position desired. The Memory Position system stores up to four crane positions while the Levelling Assistant can save time by up to 80 percent while adjusting the setup." ■



The new PK 1650 TEC



A CONVINCING PERFORMANCE

THE NEW AC 5.250-2

The new AC 5.250-2 combines an enormous reach with large lifting capacities that are up to 30 percent higher than previous best values in this class. That makes it the perfect choice for erecting tower cranes and for construction projects of all types.

Its transportation configuration options and sophisticated counterweight design are also exceptional and ensure that the crane can be ready for work in no time. On top of this, many of the latest Tadano features are available – examples include the IC-1 Plus and Surround View systems, as well as the start-stop function, which turns off the crane engine during work breaks at the press of a button without deactivating the control software.



VISIT US AT BOOTH 129

Hybrid Crane AC 4.070HL-1 on display

SEP 11th - 12th 2024 · Newark Showground



A TRICKY BUT RAPID GANTRY CRANE REPLACEMENT

Dismantling and replacing a 30 year old gantry crane at a factory in Gresten, Lower Austria, had to be carried out as quickly as possible so as not to disrupt Wesel Profile's production. The company has been based in the Mostviertel region for 350 years and is a world leader in the manufacture of special steel and stainless steel profiles. However, when the ageing crane had to be replaced, the company stressed that the production process could not be disrupted or delayed any longer than was absolutely necessary.

Local lifting and transport company Kran-Mitterhauser based in nearby Zell an der Pram was called in to carry out the lifting work required to install the new replacement crane - a 15 tonne Demag. It selected its 125 tonne/metre Palfinger PK 165.002 TEC 7 crane which is mounted on a Scania 8x4 chassis. The crane was designed to be optimised for the 32 tonne chassis, complete with all of its equipment on board, including jib and winch.

The PK 165.002 TEC 7 has a maximum tip height of 42 metres thanks to two additional manual sections, on top of the nine section main boom and eight section jib. It has a maximum capacity of 8.2 tonnes on the jib and a useful 1.12 tonnes at 36 metre radius, while the jib luffs to 25 degrees above the horizontal main boom.

Franz Josef Loibl, a long serving employee of Wesel Profile and head of maintenance said: "Our production facilities are quite cramped with very little free space for a crane to move around. The set up and the height also caused difficulties



Palfinger operator Stefan Haas with the PK 78.002-SH

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so finding the right crane for the task has clearly been difficult."

The operation was spread over two days. On the first day the old crane was fully dismantled so that by the morning of day two the new crane could be erected and assembled. The crane operator entrusted with the job was Palfinger operator Stefan Haas who has worked for Mitterhauser for 13 years.

He says that he is a big fan of his previous crane - a Palfinger PK 78.002-SH - however he acknowledges that it could not compete with the TEC 7 crane in terms of control and precision, not to mention its many convenient functions.

"The P-Fold function is one of the most practical

features - the semi-automatic folding and unfolding of the crane with only one lever via the radio control, is fantastic," says Haas. "Also, the RTC - Rope Tension Control - is one of the best inventions, as with the jobs I carry out, the winch is usually in use all day long. It can remain in position with this function, and it communicates perfectly with P-Fold system. Both functions really help with setting up the crane as well as closing up after the job is done. It really helps with the daily work routines. Also setting up and levelling the crane with the remote control makes working much easier."

Manoeuvring the loader crane into its lifting positions was tricky due to space limitations, but once set up the PK 165.002 TEC 7 was more than

able to carry out the lifts efficiently. The main component of the new crane weighed around five tonnes, which the PK was able to handle with plenty in reserve.

"The TEC 7 crane is particularly suitable for special operations such as the assembly of indoor gantry/suspension cranes, where there is little space to manoeuvre and the contract period is short. On the previous job I used it to lift in a power station located on the side of a mountain," said Haas.

The assembly of the new indoor crane was completed successfully within four hours on day two allowing production to restart on schedule. ■



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MATURING GRACEFULLY

As with any new product sector, the spider lift market is changing as it becomes more mature, now driven as much by acquisitions and consolidation than radical new product development. We take a look at some of the latest developments in both areas.

Although the original spider lift concept was invented and introduced more than 40 years ago - by Danish company Falck Schmidt in case you ask - spider lifts really only began to move into the mainstream access market around 20 years or so ago when companies such as Hinowa and Oil&Steel arrived on the scene with compact 10 and 12 metre articulated models on rubber tracks. The original concept was a go anywhere, narrow, compact and lightweight machine with spider leg like outriggers to create a stable base and level up on uneven and sloping ground. As the concept has gathered pace the number of manufacturers and product range has ballooned with working heights now running from 10 to close to 60 metres, while most are available with a variety of power sources - often on the same machine.

As volumes have grown, and some early entrants reach middle age, larger more mainstream aerial lift manufacturers have been eyeing up the market along with a number of outside investors. As a result, company ownership changes have outnumbered the number of new product launches this past year.

TEUPEN ACQUIRED

German manufacturer Teupen Maschinenbau has been making spider lifts since 1987, gaining a reputation for its design innovation and quality. However, in April this year it was acquired by US based vehicle mounted platform and utility equipment manufacturer Altec, from owner Martin Borutta who acquired a majority holding

in the business from Hanover Finanz in 2017.

This was a particularly interesting move and follows a deal in which Teupen had been supplying Altec with an insulated spider lift - similar to the Leo 56AIC - for the past year or two following an initial order from Altec for about 100 units. Altec is heavily involved in the tree care and utility markets and would have witnessed the growing number of spider lifts coming into the tree care market, including pruning tress away from overhead power lines etc. Altec is known for having a policy "We don't like selling things that we do not own/make ourselves."

It also extends its footprint internationally, something the company has always struggled with even though it has been exporting its products over many years.

A company statement said: "This acquisition expands the footprint for Altec worldwide and provides a complement to our robust line of products and services designed for the utility, telecommunications, tree care and lights and signs markets."

Managing director Paul Crane added: "These products are designed with best in class reliability, durability and versatility in mind. They will allow us to provide our customers with a new type of equipment while still receiving the Altec experience they know and expect."

NEW 27 METRE TEUPEN

Just before the acquisition Teupen launched a new 27 metre Leo 27GT Plus, a drastically



A Teupen Leo 56AIC insulated spider lift



Teupen's new 27 metre Leo 27GT Plus is drastically different to its previous 27 metre spider lift

different machine to the 27 metre spider lift it had unveiled the previous year. The 'Take Two' version features the classic dual telescopic boom format with a three section telescopic riser/lower boom, topped by a three section upper boom plus a new 160 degree articulating jib, providing an outreach of 14.3 metres with a 12 metre up & over height with 100kg in the platform. The maximum platform capacity of 250kg is available at up to 12.5 metres outreach. A new outrigger setup option - Narrow Front/Wide Rear - allows it to be positioned in difficult to access situations such as between rows of seats/pews when working in university lecture halls or churches etc. All cables and hoses are routed internally

within the boom, protecting them against dirt and dust.

Other features include standard radio remote controls, an improved full colour display screen and new 'Fuzzy V' controls, as well as wider, longer rubber tracks and 180 degrees platform rotation. The machine's overall width is 890mm, overall length seven metres with the basket installed and 6.45 metres without, an overall height of 1.99 metres while weighing 3,900kg.

The track width can be varied hydraulically on its parallelogram track legs, raising the height of the machine so that it is higher when narrow for greater ground clearance and lower when wider when travelling under overhead obstacles. Power is supplied by a Kubota diesel for outdoor use and a 230 volt mains electric motor for indoor use with Lithium or AGM battery versions available later this year.

HANDING THE BATON AT PALAZZANI

Another well-established spider lift manufacturer undergoing change is Italian company Palazzani. The company dates back to 1935, producing its first spider lift in 1986. Palazzani now produces a wide range of spider lifts and has a particularly strong position at the top end of the market for machines with working heights of more than 25 metres.

At Bauma in October 2022 it introduced the world's largest spider lift to date, the 58 metre TTZJ58 with the first unit shipping at the end of last year. Its product range now extends from 17 metres upwards and includes a number of kits/accessories that can effectively turn most of its lifts into spider cranes. Last year it acquired a new facility that will eventually double its production space.

In March Paola Palazzani took over as company president, replacing her father Davide who became vice president. While stepping back a little from the day to day business, he is not exactly retiring and will remain actively involved, continuing to look after the finances while being available to assist the new senior team. At the same time, chief operating officer Francesco Zola has joined the board of directors as chief executive.

Paola Palazzani has been with the company for more than 27 years and has become the 'face of Palazzani' and been directly responsible, along with export director Laura Gasparini, for Palazzani's growing sales success in recent years. In her new role she will also lead the company's long term strategy, while continuing to contribute the ongoing development of the business and be heavily involved in new distributor appointments and major account sales. Don't expect to see any less of her at trade shows.

Paola Palazzani said: "I believe that our tandem leadership will consolidate and strengthen the company's position in the global market, while maintaining the values of innovation and quality that has distinguished us since the beginning."

Palazzani has been making spider lifts since 1986



REBORN IN THE USA


The new management team took little time to strengthen its position in the global market announcing a new direct sales and service operation in the USA - Palazzani North America - while appointing CPL as its new distributor in the UK. Located in Miami, Florida, Palazzani North America is a significant step in the company's geographic expansion plans and takes over from former distributor Spimerica which was appointed in 2020.



Palazzani launched the 58 metre TTZJ58 at Bauma 2022

The Hinowa LL40.18 features dual telescopic booms





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SPIDER LIFTS

The new venture will also handle sales into Canada and has been positioned for future management of markets further south. It also provides sales and service training along with full after sales support services while also managing major accounts and local dealers.

Over the past year or so Palazzani has faced a few legal issues in North America culminating in a court case which it won. As a result, the distraction has meant that it has lost some ground in what is a rapidly growing market for spider lifts. The market is roughly divided between two major sectors - tree care which is currently dominated by fellow Italians CMC and Platform Basket, and atrium maintenance and cleaning led by Danish company Falcon, an ancient adversary. Palazzani has products that compete in both market sectors but is particularly strong with its high end models for the atrium market.

"This is a very important moment for Palazzani Industrie," says Paola Palazzani. "The decision to open a new branch in Miami stems from our commitment to supporting and staying close to our American customers, as well as expanding our dealer network. We are keen to solidify our presence in a market that is of great importance to us."

UK DISTRIBUTOR

In addition to North America, Palazzani highlights the UK as a strategic and crucial market for the company. It has had a presence in the UK since around 1991 working mostly with rental distributors. While this has resulted in the delivery of a decent number of its spider lifts in the country, it has been slow and often patchy over many years selling to a limited customer base.

The appointment of CPL - part of France's Klubb group - is therefore an important move for the company given that it has significant resources, understands the importance of immediate service and support coverage, while working with large end user companies in the utility sector.

Palazzani sales director Laura Gasparini says: "For some time, we have been looking for



The standard support frame



The compact support frame

an efficient and reliable dealer to enhance our presence in this territory. And now, our longstanding acquaintance with CPL has materialised into a mutually favourable collaboration, which presents a significant opportunity for us, so we have high expectations for the future. And we look forward to giving the partnership a boost at Vertikal Days in September."

CPL chief executive Paul Murphy adds: "This partnership allows us to offer our customers a broader selection of premium access equipment, reinforcing our commitment to providing innovative solutions tailored to their needs."

NEW HARDWARE

While Palazzani has not introduced any new spider lifts this year it has added several attachments and accessories.

The first is a new winch attachment for its articulated 25 metre Ragno TZX 250 spider lift - part of its co-operation agreement with Multitel - transforming it into a spider crane with a maximum capacity of 250kg. The new winch is driven by a hydraulic motor and comes with 32 metres of seven millimetre diameter rope and a remote controller. The crane can take its 250kg capacity to a lift height of 22.5 metres and out to a radius of seven metres at an up & over height of seven metres or around five metres radius at an up & over height of 12 metres. The switch over from basket to hoist/winch is said to take just a few minutes. The new addition joins the

500kg and 980kg hydraulic winches on the larger TSJ and XTJ models, which have proven popular options particularly on the 37 to 52 metre larger models.

NEW BASKET SUPPORT FRAME

To help changing between basket and 500kg winch, Palazzani has introduced a new, more compact basket support frame said to be ideal for operators working on uneven ground or sites where space is at a premium. The support frames are used to remove and store the basket. The standard support is significantly larger with four wheels and a storage compartment for tools. It performs best on flat surfaces with a normal amount of space. The new compact unit is more of a 'skate' but still more than capable of removing and moving the basket around but so much easier to handle on rough ground or in tight spaces.

PLATFORM BASKET OPENS IN CANADA

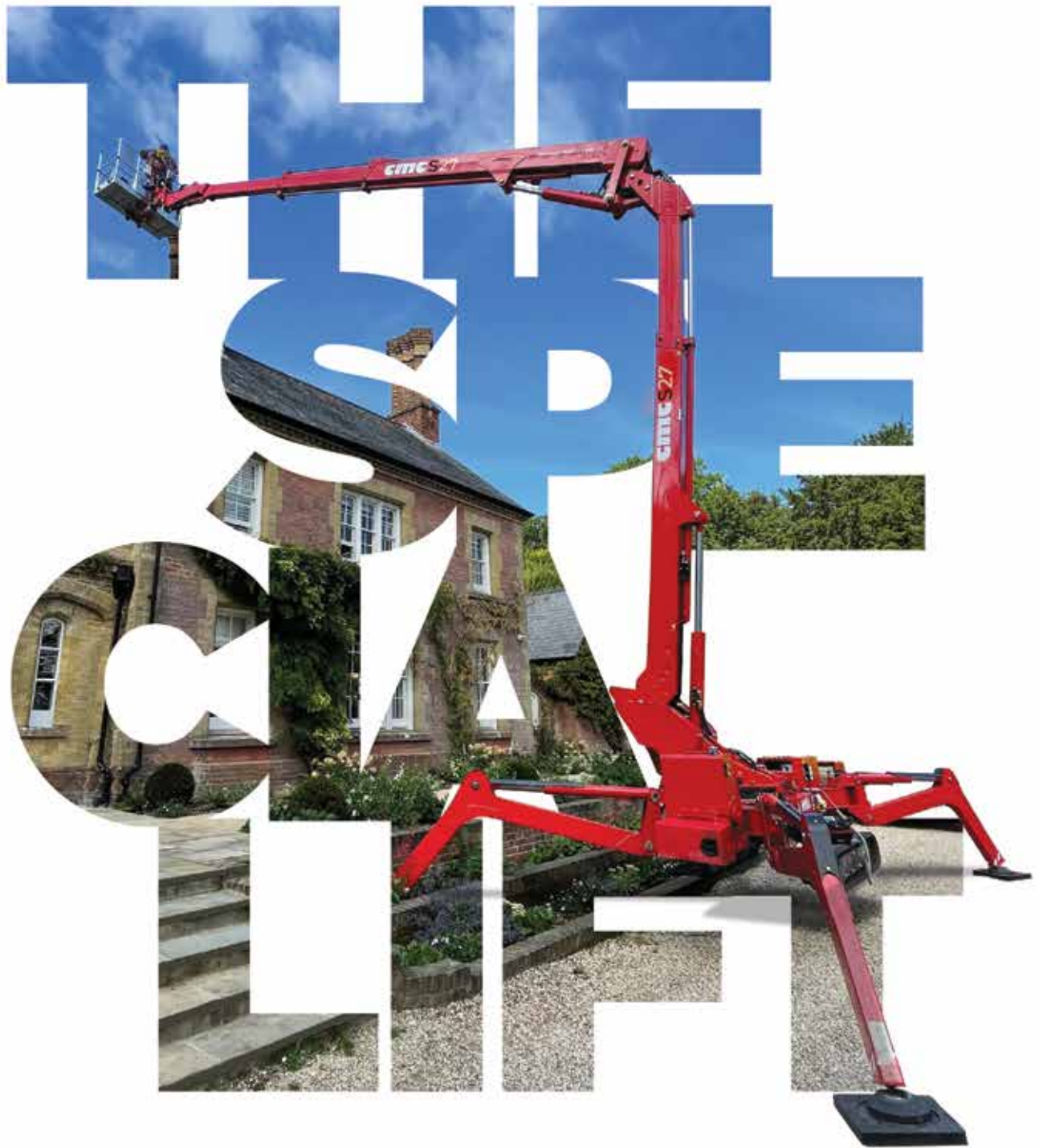
Another spider lift manufacturer opening a new overseas subsidiary is Italian manufacturer Platform Basket. The new operation - PB Canada - is based in Mississauga on the south west side of Toronto, Ontario. Chief executive of the new company is Platform Basket export manager Davide Franzini, but the business will be managed on a day to day basis by Nick Yannuzzi who joined the company in November after three years with CMC dealer Momentum Lift Equipment.



(L-R) Mark Sawyer of CPL with Laura Gasparini of Palazzani, Paul Murphy of CPL and Paola Palazzani



The TZX 250 can lift 250kg at a radius of seven metres



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A Dinolift 185XTC II



The new Leguan 195 will make its debut at Platformers Days and Vertikal Days in September

Platform Basket said: "This new branch will allow the company to reach existing customers in Canada more efficiently and quickly and to develop new business opportunities in this key region."

Davide Franzini added: "This is an exciting step for us at a time of rapid growth. The new branch marks a significant step in our international expansion and strengthens our commitment to serving customers in North America. We are excited about the prospects of working more closely with local businesses and communities."

CMC COMPLETES ALL ACCESS DEAL

Italian manufacturer CMC has finally completed the acquisition of its US distributor All Access Equipment, purchasing 100 percent of the equity from owners, the Polonski family. Although the deal took more than a year to finalise, the two companies had been moving closer together ever since it was announced at the end of 2022, with CMC chief executive Alessandro Mastrogiacomio spending a good deal of time at the All Access headquarters in Wilmington, on the north west side of Boston, Massachusetts.

In 2023, All Access achieved revenues of around \$80 million and currently employs around 60 staff between its Wilmington headquarters and a branch in Salem, New Hampshire. The Polonski family will continue to manage the business with Lenny Polonski having handed over the day to day running of the business to his sons Ryan Polonski who is now chief executive, and Nathan who becomes chief operating officer. Polonski senior will, without doubt remain involved.

Alessandro Mastrogiacomio of CMC said: "This transaction testifies to our confidence and ambition in pursuing our new industrial strategy, supported by the strong partnership we have with our majority shareholder Metrika which acquired a 70 percent stake in our business in October 2022."

NEW OWNER FOR CELA

Half way through last year Consilium Private Equity fund acquired a majority stake in Italian spider lift, truck mounted lift and fire rescue platform manufacturer Cela. The senior management team of Paolo Troni, Roberto Rocca and Simone Scalabrini retain a substantial stake in the business and chief executive Paolo Troni will continue to manage it with the additional

support of independent advisor Stefano Di Santo. Cela was founded in 1992 in Brescia by a number of ex-employees of locally based Cella, after it was acquired by Simon Engineering of the UK. Troni acquired the ailing company in 2009 having quit the rental business Rent Up following disagreements with his fellow shareholder. Today Cela has revenues in the region of €45 million and has achieved strong growth over the past couple of years as it has expended its product line and geographic spread.

Paolo Troni said: "The agreement with Consilium represents a further important step for the development of Cela. We are convinced that we have chosen the best partner to help us carry on the path that the company has taken in recent years."

FINNISH PLAYERS

While the spider lift market is dominated by Italian manufacturers, the concept comes from the far north, where three companies now participate in the market. Finland surprisingly has two manufacturers, Leguan and Dinolift. Dinolift unveiled its first model - the 18.5 metre Dino 185XTC in 2009 and today offers two second generation articulated telescopic models - the 18.5 metre Dino 185XTC II and the 22 metre 220XTC II. While substantial machines with excellent levelling ability they have not sold widely, possibly due to their premium price.

NEW MODEL INTRODUCTIONS

Fellow Finn Leguan on the other hand has had some success with its lightweight, ultra-compact models and is in the process of launching a new model, the Leguan 195. The new machine will make its debut at Platformers Days in Germany and Vertikal Days in the UK in September. The company says the 'next generation Leguan 195 combines the speed and versatility of the Leguan 190 with the smart controls and performance of the larger Leguan 225'.

It has a working height of 19.7 metres, up to 9.9 metres outreach and 250kg maximum capacity. It claims to have 'market leading' Rough Terrain capabilities operated by a new intuitive and user friendly joystick controller. It also features a one button home control which automatically stows the machine, while a one button 'back to work' function returns to the previous stored work position. The new lift also features a shielded boom that protects components from knocks and



Leguan 195 and 225



The Leguan 195 control panel

falling branches etc, making it an ideal unit for arborists.

Power is supplied by a 21hp Kubota diesel with automatic engine RPM control and a 230/110 volt electric motor. Other features include auto levelling outriggers, proportional outreach monitoring, a battery powered emergency lowering system and lower controls with integrated service display. The platform console includes standard USB outlets for users.

Speaking of the new model Leguan vice president Jori Mylläri said: "Leguan spider lifts are known for their premium performance on slopes, hard to reach areas and uneven work sites thanks to their automatic levelling, advanced track design and low center of gravity, and the new Leguan 195 is no different. Our users have been requesting a Leguan model that retains the 190's agility, compact size and speed but adds the intuitive controls and smart features of our flagship model. And this is our answer."

'FALCON 330 WHEEL'

Danish spider lift manufacturer Falcon's latest new product introduction is the 33 metre all-electric wheeled spider lift, the 'Falcon 330 Wheel' based on the Falcon 290 Wheel and its predecessors the FS290 and FS320.

It has a maximum outreach of 14 metres at an up & over height of just over eight metres with 100kg in the platform, while the maximum



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The Falcon 330 Wheel is based on the FS290 and FS320 above

platform capacity of 200kg is available at an outreach of just over 13 metres. This is achieved using a five section telescopic boom topped by a long double jointed articulating jib which provides wide ranging reach capabilities including a five metre below ground reach and even under & up reach, handy when working in high ceilings exhibition spaces with beams and other obstacles.

Despite its working height, the machine is just 800mm wide when stowed, 1.98 metres high and 7.2 metres long. Overall weight is 4,150kg. A wide range of outrigger configurations are possible with widths of between 1.4 metres

at the front to between 3.6 and 5.4 metres at the rear. It also has up to one metre of levelling ability.

54 METRE SPIDER

Following the excitement of two large new spider lifts - the 58 metre Palazzani and the 53 metre Easy Lift - at Bauma 2022, Platform Basket has joined the select band of manufacturers with 50 metre plus machines with its 54 metre Spider 54T. Falcon also has a 52 metre spider lift.

The Platform Basket Spider 54T was launched at GIS 2023 last October, and is now being delivered with the first unit delivered to Italian

company Minoe in May. The lift has a working height of 54 metres and a three stage hydraulic jib giving an outreach of 18.5 metres at an up & over height of 45 metres with a platform capacity of 400kg and 20 metres outreach with 136kg in the platform.

The Spider 54T can also be fitted with a 1,000kg capacity winch mounted directly on the jib. Other features include a wind speed monitor with alarm, rubber protection for the platform, PBT - Platform Basket Telematics - system and an intercom.



Platform Basket's Spider 54T has a working height of 54 metres and 18.5 metre outreach with 400kg in the platform.

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Raptor 15S

NEW RAPTORS

Socage launched the new Raptor spider lift brand last year with plans for an initial range of three models - the 15 metre 15S, the 18 metre 18S and the 21 metre 21S. The next new model, the 25 metre 25S will be launched at Vertical Days in September. The lift will come with a high specification, including automatic outrigger set-up and stowage. The 35 metre 35S is expected to be released later this year.

UNUSUAL APPLICATIONS

One of the more unusual applications for spider lifts is cleaning solar panels on roofs. German agricultural company Agravis Ost has taken delivery of a 19 metre CMC S19N spider lift, primarily for this task using a cleaning robot from Gronau based HyCleaner. The S19N features a two section telescopic boom and articulating jib with a working height of 18.8 metres, an outreach of 8.8 metres with a maximum platform capacity of 230kg. It can handle 150kg at its maximum outreach with an up & over height of 8.5 metres.



A CMC S19N using a HyCleaner cleaning robot

AND FINALLY...

So far we have not mentioned any Chinese manufacturers primarily because this sector is dominated by European manufacturers and there is not yet a domestic market in China sufficiently large to attract the larger Chinese manufacturers with their high volume production policies. There are a few smaller niche companies such as Gorman, while Sinoboom badges Falcon lifts for sale in the region.



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Sinoboom badges Falcon lifts for sale in China



Last year Zoomlion dipped its toe into the market with the 27 metre twin telescopic boom ZX27AE

However, last year Zoomlion dipped its toe into the market with the sizeable 27 metre twin telescopic boom ZX27AE with lithium ion battery power. Maximum outreach is 14.2 metres at an up and over height of 12.7 metres with 120kg in the platform, while the unrestricted platform capacity is 230kg.

The Zoomlion lift looks well designed but doesn't really add anything new. It will be interesting to see if the company follows the experience of other major manufacturers such as Dingli

and Sinoboom that built a machine, only to find that it was a distraction to their mainstream business and abandoned the idea. This was almost certainly what deterred major western manufacturers such as JLG and Genie from jumping into the spider lift market when it began to gain a little traction.

In the past 18 months or so this has changed a little, with JLG having acquired market leader Hinowa. Perhaps this is the route the big Chinese companies will follow? Watch this space. ■



Hinowa platforms at work

CASE STUDY

SPIDER LIFT MATS SPIKE

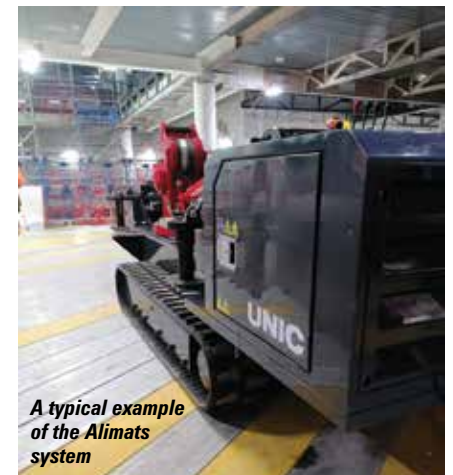
Brilliant Ideas has seen a surprising 500 percent spike in demand for its Alimats load spreading solutions for spider lifts in recent months. Managing director Dan Westgate says: "In our experience most spider lifts are used on newly constructed suspended floors, so a lot of our enquiries are for load spread solutions for both the tracking and operating condition. The key difference between tracked and wheeled machines is that the tracks apply the load along their length, covering a larger area compared to wheels, so load spread solutions when moving are a little simpler."

"However, we also receive enquiries where it's proposed to spread the load with sheets of plywood, that simply doesn't work. We've seen multiple cases where such proposals have been rejected by the client's temporary works. Plywood is simply not stiff enough to spread the load, and therefore won't reduce the pressure applied to the supporting floor below."

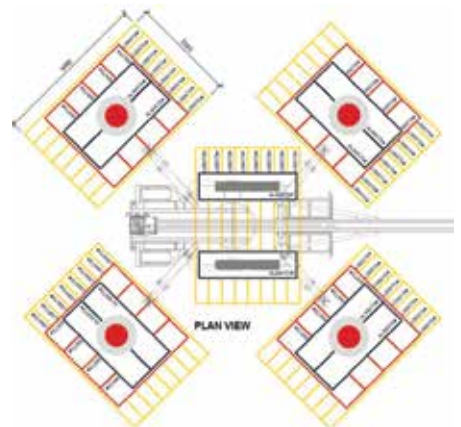
Brilliant Ideas has helped with numerous tracking projects such as University College London where its interlocking Alimats system was used by concrete cladding contractor Techrete to provide a solution to track a spider lift from the landing zone all the way to the operating area. It used 40, 3.48 metre x 290mm, interlocking modules laid on top of an Ethafoam base layer. The second layer used 26, 2.18 metre x 580mm mats laid end to end and placed perpendicular to the first layer to create a path for the machine's tracks. When

the spider set its outriggers, the first layer mats were wide enough to support the machine. Another project involved a large spider lift on a site in Woolwich, London. Although much shorter, the tracking solution was identical to that used at University College London, however when the outriggers were set, the load under each foot had to be spread over the entire mat area. To achieve this each outrigger needed an Ethafoam base layer, topped by eight 3.48 metre x 290mm interlocking modules, four 2.18 metre x 580mm modules placed perpendicular, then a top layer of two 2.18 metre x 580mm units placed parallel to the first layer with a 50mm thick, one metre diameter Nylacast outrigger mat under the outrigger feet.

"We find that even a single layer of our interlocking system can seamlessly spread the load when tracking," says Westgate. "Due to their length and the machine's tracks being in contact with multiple mat modules at any given time as it tracks across. Our extra-long narrow modules - 3.48 metres x 290mm - come into their own in these scenarios."



A typical example of the Alimats system



"In a rolling road scenario, we often use our core Alimats outrigger mats, so that surplus mats from the rolling road can be used as regular outrigger mats, reducing the number of mats on a project saving on transport and hire."



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VERTIKAL DAYS 2024

MOVE ON UP!



This year's Vertikal Days takes place at the new, slightly more northerly venue of Newark Showground in Nottinghamshire on Wednesday 11th and Thursday 12th September. With more than 330 companies or brands represented, it is set to be the biggest gathering of cranes, aerial work platforms, telehandlers and associated equipment and services since its debut at Haydock Park in 2007.

With 30 new exhibitors and 50 new brands, the show will be the largest and most diverse display of lifting related equipment and ancillary services in Europe this year. New products abound with numerous global product launches planned. Now in its 17th year, Vertikal Days 2024 will be located on the one kilometre long Vulcan Runway at the Newark Showground, with all of the show space taken.

SPECIALIST EVENT

The show is dedicated solely to lifting and working at height, and as such is a perfect opportunity for visitors to see, hear and learn about the latest equipment, products and developments, from the latest 400 tonne All Terrain crane, mega scissor lift and all electric telehandler to battery technology and onsite power packs to slings, PPE, lifting



tackle and rental management software and so much more - all in one place at the same time. As if this was not enough of an opportunity the fact that everyone on the showground shares the same interest makes the social aspect incredibly valuable, not to mention enjoyable. With so much to see and so many people to meet taking two days to see the whole show is a must. And staying true to its roots, visitors benefit from everything being complimentary - from free parking and entry, through to free refreshments including a substantial lunch.

USE THIS GUIDE!

The Show Guide: There is so much to see this year and such a variety of products that it is essential you run through this 52 page listing of all of the products and services on display. Then use the information to create a 'Must Not Miss' visit plan.



SHOW INFORMATION

Venue: Newark Showground,
Lincoln Road, Winthorpe, Newark,
Nottinghamshire, NG24 2NY

Show times and dates:

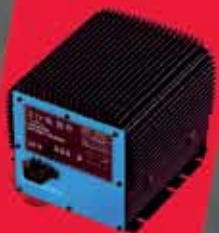
Wednesday 11th September 10:00 to 17.30

Thursday 12th September 10:00 to 16.00

How to register:

- Pre-register: <https://vertikaldays.net/for-visitor/visitor-registration> and print visitor badge

PARTS TO KEEP EQUIPMENT GOING.



Vertical
days

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STAND 408**



THE MARKETPLACE PAVILION

Located centrally within the showground, the Marketplace Pavilion is bigger than ever and almost a show within a show. It will include an even more comprehensive mix of companies displaying the very latest in ancillary products and services related to cranes, access equipment and telehandlers. This year that includes almost 60 companies representing safety equipment, software, innovative components, rigging solutions, training suppliers, financial solutions and electronics. It will also feature the main Marketplace café serving complimentary tea, coffee, soft drinks and pastries all day, and a great place to network or simply sit and relax for 20 minutes or so.

MEETINGS

Associations already signed up include LEEA, IPAF and the CPA which will all be welcoming members and non-members to their stands. Both IPAF and the CPA will be holding meetings and details of these will be released closer to the time.

MAKE A MEAL OF IT

Located at the top end of the showground, the Catering Pavilion serves lunch each day between 12.30 and 14.30. It is the perfect place to 'network' over a hot meal. Catering includes the now traditional free-range hog roast barbecue and a range of vegetarian and vegan alternatives. For those on a tight time schedule there is also



the adjacent fresh sandwich bar and Barbecue. For those too busy to trek down to the Catering Pavilion, the Hot Potato is at the top of the show - you can imagine what its main offering is.

NETWORKING EVENT

This year's networking evening event is on Wednesday evening and as always, requires a ticket to attend. It will be held in the Catering Pavilion and will follow on from the early evening reception which kicks off in the 'Starshade' next to the Catering Pavilion when the show ends at 17.30. It is a perfect time for exhibitors and guests to unwind after a long day at the show and catch up on the day's events with some good music, food and drink.

AND FINALLY...

In recent years sponsorship has helped the organisers hold down the cost to exhibitors in the face of rising visitor numbers and escalating supplier costs. This year the organisers would like to thank: **GJ Mats** for providing the sustainable visitor show bags, **Versalift** for the Marketplace coffee cups, **Wolffkran** for the Catering Pavilion coffee hub and **TVH** for providing the bottled drinking water and maps. At the entrance **IPAF** is sponsoring the visitor badges and **Point of Rental** the lanyards. **LGMG** is sponsoring the early evening Under the Starshade, while **Hoefflon** is sponsoring the main bar at the evening Networking dinner. The cheese in the Catering Pavilion is provided by **Spierings Cranes**. A big thank you to you all!



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ACCESS EQUIPMENT AND TELEHANDLERS

Access Platform Sales (APS): Stand i2

APS will exhibit a range of Hinowa tracked booms including customised transport trailers, dumpers and forklifts along with the ToughLift and Wienold range of material lifts.

On the stand: Hinowa 18.80 Bi-energy, ToughLift, Wienold MRC751



Hinowa 18.80

Aldercote: Stand 213A

UK based vehicle mounted access platform manufacturer Aldercote will be showing its latest van mounted platform with the E-Drive self-charging hybrid electric system which eliminates idling engines and battery recharges in transit.

On the stand: VZ140 mounted on MAN 3.5 tonne E-Drive Powered



AJ Access Platforms: Stand 108/109

AJ Access Platforms - the UK distributor for Zoomlion aerial work platforms and telehandlers - will show a wide range of products including the recently released 3.5 tonne/seven metre ZTH3507 telehandler and the 58 metre ZT 58J telescopic boom.

On the stand: ZT 58J, ZA14JE-Li, ZA10RJE, ZA14JE, ZS0407DC, ZS0808AC, ZS1623RT, ZTH3507



Teupen Leo 35T Plus

Alfa Access Services: Stand 211/212

Alfa Access Services - the UK/Ireland distributor and service agent for Altec Teupen spider lifts, Mecaplus self-levelling scissors and booms, Omega heavy duty self-levelling tracked scissors, ELS booms and scissors and PB scissors - will display the 30 and 35 metre Teupen Leo 30T Plus and Leo 35T Plus spider lifts along with other machines from its range.

On the stand: Teupen Leo 30T and Leo 35T Plus

Alimak: Stand 118

Alimak will exhibit a range of products as well as highlight its Digitalisation & Training Hub, with information on its new Construction Training Pathways and customised web portal 'My Alimak'.

On the stand: Scanclimber mastclimber, Alimak's Scando 650, Medius 350, Alimak TPL 500 and STS 300



Alimak STS 300

AlmaCrawler: Stand 310

See CPL

Alp Lift: Stand 301

Alp Lift offers manual and electric platforms from Zoomlion and Dingli as well as producing its own line of material lifts along with other products such as compact scissor and vertical mast lifts.

The new oil free range of scissor lifts should be on the stand.



Altec Teupen: Stand 211/212

See Alfa Access Services

APS: Stand i2

See Access Platform Sales

Axolift: Stand 203

First time exhibitors at Vertikal Days, low level work platform manufacturer Axolift has a four model range including manual Manulifts with up to four metres working height, the self-propelled Elift with up to five metres working height and the push around P300 compact scissor.

On the stand: the Manulift 200 and 200/4 plus the Elift 350 and P300



Bluelift: Stand 205/206/304

See Versalift UK

Böcker: Stand 419

Böcker UK will have its latest lightweight truck cranes on show, alongside the PK600d work platform with basket mounted winch option and the brand new Junior 18 inclined compact construction lift with a capacity of 250kg and lift height up to 18 metres.

On the stand: PK600d, Junior 18

BoSS: Stand i2

See Access Platform Sales (APS)



Bravi Solo-Gyps

Bravi Platforms: Stand 107

Bravi will show its 4.9 metre Leonardo HD lightweight vertical mast lift fitted with the Solo-Gyps fully motorised drywall lifting attachment and the Small-E inspection device designed to simplify and improve safety when working in tight areas with suspended ceilings.

On the stand: Leonardo HD, Solo-Gyps, Small-E

Bronto Skylift: Stand i3

Bronto will highlight its new 'Bronto One' cloud based portal with a 'full visual overview of an owners resources, performance and abilities', and demonstrate its 'Bronto Duties' 3D planner, which allows structures to be 'built' from scratch or based on an online map view, as well as adding telecom antennas and wind turbines.

On the hardware front it will show the 56 metre S56XR on a Volvo FM380 6x2 chassis sold to Clearview Services. It offers 41 metres of outreach and a platform capacity of 600kg, while the extendable cage has an integrated water line, hydraulic outlets and a camera pod. Don't miss the opportunity to test your operating skills on its realistic VR Simulator.

On the stand: Bronto S56XR, Bronto One



Bumpa: Stand 122

See: Mace Industries

Central Platform Services (CPS): Stand 99

Central Platform Services (CPS Lift) is the UK



dealer for Smartlift vacuum lifters and CTE Tracess spider lifts. Units on the stand will include the Smartlift SL309 Compact vacuum lifter and SL609HLE RT.

On the stand: Smartlift SL309, SL609HLE RT

CLM Construction Supplies: Stand 410

CLM will show a range of Maber rack and pinion goods and passenger hoists from the MB 500 - with single phase capacity of 300kg or triple phase capacity of 500kg - to the MB A 2000 with a capacity of 2,000kg or 20 people. All come with a patented mechanical emergency brake as standard.

On the stand: Maber MB 500, MB C 1000, MB C 2000, MB A 2000



Maber MB C 1000

CMC: Stand 213/311

The new UK branch of Italian spider lift manufacturer CMC will have several machines on the stand including the global launch of the new S20 - a compact dual articulated spider lift with a



19.9 metre working height, 10.4 metre outreach, 230kg platform capacity and overall weight of 2,980kg. Also on display will be the 23 metre CMC S23 with 12.4 metres outreach, the 18 metre/230kg MY S18F with 11.5 metres outreach, and the compact 15 metre/230kg capacity CMC S15 which weighs just 1,820kg.

On the stand: CMC S20, S23, MY S18F and S15

Comet: Stand 112

See Hydraulic Platform Services

Contract Plant Rental: Stand 98

First time exhibitors Contract Plant Rental provides contract hire - long and short term - as well as rehire solutions across the UK for all access and construction equipment. The show will also be the UK launch for JAC forklifts.

On the stand: JAC 3.5t forklift (diesel, electric, LPG and Lithium)



CPL: Stand 310

Klubb subsidiary CPL is not only the UK distributor for Klubb, but also handles Palfinger platforms, AlmaCrawler work platforms, Dinolift aerial lifts and Palazzani spider lifts which offers models ranging from 17 to 58 metres.

CPS Lift: Stand 99

See Central Platform Services

CTE: Stand i1

CTE UK will display its most popular ZED truck mounted aerial platforms with working heights



CTE ZED 23.3

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VERTIKAL DAYS

from 21 to 26 metres - some equipped with the S3 Evo system. On the stand you will find a 22 metre Zeta 22 on an Iveco chassis with 10.5 metres outreach and 250kg platform capacity, a 26 metre MAN mounted ZED 26, the 23 metre ZED 23.3 on an Iveco chassis and a 21 metre ZED 21.3 JHL with 10 metres outreach and 300kg capacity.

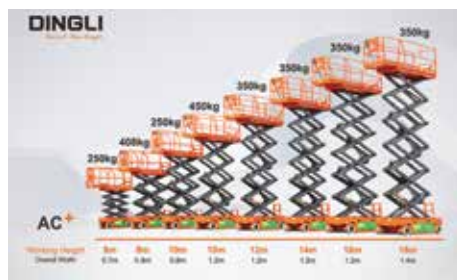
On the stand: Zeta 22, ZED 26, ZED 23.3 JHL, ZED 21.3 JHL

Dingli: Stand 123/124

Dingli will show its new T and D series modular boom lifts and use the show for the global launch of the brand new 138ft BA44HRT articulated hybrid boom lift which features the company's patented in-situ axle extension system, eliminating tyre side scuffing, along with a built-in hybrid range extender power pack. It is also the only articulated boom of its size that can be shipped in a standard container.

Also on the stand will be the upgraded AC+ series of slab electric scissor lifts announced in March, including the 46ft S1612AC+ with Lithium battery pack and electric steering system, eliminating hydraulic oil from the chassis and reducing energy consumption. A new heavy duty hybrid Rough Terrain scissor lift will be on display along with smaller scissors, mast lifts and mast booms.

On the stand: Dingli BA44HRT, S1612AC+, T and D series modular booms, RT compact scissor, vertical mast lift



Dinolift: Stand 310

See CPL

Easy Lift: Stand 401/402

See Independent Access Sales

Electroelsa: Stand 102

Italian mastclimber and hoist manufacturer Electroelsa will have several new models on its stand. These include the 5,000kg capacity PM-M56 transport platform with up to 250 metres working height and six different cage dimensions, the P46 mastclimber with a maximum platform length of 34 metres and 220 metre working height, the 2,300kg capacity PM-M23 with five different



interchangeable cages and 220 metre working height and the 1,000kg capacity PM-M10 with a choice of four cages and up to 220 metres working height depending on the mast type selected. Most importantly ask to see its new 'Bolts Presence' safety device that detects missing mast bolts during assembly.

On the stand: Electroelsa PM-M56, P46, PM-M23, PM-M10

ELS Lift: Stand 211/212

See Alfa Access Services

Faresin: Stand i4

See GGR Group

France Elévateur: Stand 205/206/304

See Versalift UK

Geda: Stand 122

See Mace Industries

Genesis Equipment Sales: Stand i0

Genesis is the UK distributor for XCMG powered access which offers a full range of scissor and boom lifts, including the world's largest self-propelled boom lift, the 223ft/70 metre working height XGS70K which will be a key feature on the stand and an item not to be missed. The company will also launch the all new 33ft/12 metre work height zero tailswing XGA12ACK articulated boom lift.

On the stand: XGS70K and XGA12ACK



Genie: Stand 409

See Workplatform

GGR Group: Stand i4

As well as its crane and glass handling products, GGR's packed stand is sure to include a full electric Faresin telehandler, probably the 17 metre/4,500kg Faresin 17.45 - the world's first 17 metre fixed frame battery powered telehandler - along with its Unic spider cranes, including the new Pop up model, Sunward mini crawler cranes, AlmaCrawler tracked carriers as well as a whole range of Vacuum lifting equipment.

GSR S.p.A: Stand 117

GSR will show several truck mounted platforms



including the latest 22 metre dual riser, articulated B220PXE with end mounted platform, 250kg maximum capacity and an outreach of 11.4 metres with 80kg in the platform. Also on show is the 22 metre telescopic B220TJ with 2.4 metre jib giving a maximum outreach of 10.6 metres with 250kg in the platform or 14 metres with 80kg. Both are new versions and mounted on an Iveco chassis.

On the stand: B220PXE, B220TJ

Guangxi Liugong: Stand 113

See LiuGong Machinery

Haulotte: Stand 405/406



Haulotte UK will show a variety of its booms and scissor lifts alongside its mast type lifts and mast booms. The star of the stand will be the new 46ft all electric HA16 E PRO articulated boom, said to offer the same performance and all-day work capability on a single charge as the diesel model.

Another item not to be missed is the company's new FASTN lanyard anchorage device, which can be easily installed in around 10 minutes on any type of aerial work platform with a deadman pedal. The system has a built-in motion sensor and delivers audible and visual alerts when a harness is not connected, or an operator becomes inert. This is a must see display.

On the stand: HA16 E PRO, FASTN

snorkel

S3013 MINI



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- **272kg platform capacity**
- **5.8m working height**
- **Outdoor rated to full height**
- **No hydraulic hoses**
- **Slide-out extension deck**
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11th & 12th of September
at **Newark Showground**

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Hinowa: Stand i2

See Access Platform Sales

Hydraulic Platform Services: Stand 112

Comet's UK dealer Hydraulic Platform Services will show a variety of machines including a 14 metre van mounted platform, truck mounted platforms from 16 to 21 metres as well as its new spider lifts. Making its UK debut is the 16 metre 4x4 Ranger pickup mounted lift.

On the stand: 16m Ranger



Imer Access: Stand 201/202

Italian manufacturer Imer will show three spider lifts, the 19 metre single riser telescopic IM R 19 SA EVO and the largest model in its range, the 23 metre IM R 23 DA. The star of the stand is likely to be the compact IM R 15 DA, a dual riser articulated model with two section telescopic boom and jib for an outreach of seven metres at a seven metre up & over height with 230kg platform capacity. Standard specification includes adjustable track width and a choice of lithium battery or AC electric motor power.

On the stand: Imer IM R 15 DA, IM R 19 SA EVO and IM R 23 DA

Independent Access Sales: Stand 401/402

Independent Access Sales - the distributor for Italian manufacturers Easy Lift and Socage - will show two Socage lifts, a 14 metre 4x4 pick-up and 24 metre truck mounted platform with lifting hook, while the Easy Lift spider lifts on display will include a 13 metre, 18 metre, 31 metre and 42 metre models.



On the stand: Socage 14m Pick-up, Socage 24 metre truck mount, four Easy Lift spiders from 13 to 42 metres.

International Platforms: Stand 404

International Platforms will use Vertical Days to promote second lives for platforms by matching buyers with used platforms from its extensive stock which are available in three formats, 'As Seen', 'Serviced and Tested with a new LOLER' or 'Refurbished'. A recently refurbished Skyjack SJ6832RT scissor lift will be on display as an example of what can be achieved, along with



used diesel and electric scissor lifts and bi-energy boom lifts, all of which are for sale. Vicki and Jade Allen and the team will be on hand to answer questions, do deals and discuss finance and delivery options.

On the stand: Skyjack SJ6832RT, Skyjack SJ9250RT, Dingli JCPT0607DCS

IPAF: Centre aisle

The International Powered Access Federation is dedicated to promoting and enabling the safe and effective use of powered access worldwide. During the show it will promote its latest safety campaign 'Crushing can Kill' which focuses on the critical issue of entrapment hazards when using platforms. Visitors can gain valuable insights into preventing entrapment incidents in the first place by adopting essential safety measures. Check out its educational materials, interactive displays and the static demonstration of IPAF members' machines.



Isoli: Stand 310

See CPL

JCB: Stand 114/115

JCB will showcase its E-Tech electric line of hybrid and electric scissors alongside the 45ft all-electric A45E and hybrid A45EH articulated boom lifts. Also on display will be its new 360 degree telehandler, the 26 metre/5,800kg 558-260R PRO.

On the stand: 558-260R PRO 360 telehandler, E-Tech scissors and booms, A45E and A45EH articulated booms



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JLG EC450 AJ

JLG: Stand 106

JLG plans to launch the new 45ft EC450 AJ second generation EC articulated boom lift, as well as its new ES scissors alongside its latest low level platforms. Also, put your operator skills to the test on its F1 Simulator.

On the stand: EC450 AJ, ES scissors, Low level access

Jovoo: Stand 213B

See Morn Group

Keith Rhodes Machinery Installations: Stand 403

Making its Vertical Days debut, Keith Rhodes Machinery Installations ought to be busy showing visitors the two Landoll PT40 telehandlers which are making their UK debut at the event. One will feature a bespoke jib attachment, while the other will be fitted with heavy duty forks, both of which boast a capacity of 20 tonnes at a height of up to six metres. They are ideal machines for moving heavy loads in manufacturing and industrial applications.

On the stand: Landoll PT40 telehandler with jib and heavy duty forks



Klaas: Stand 127

See Kranlyft

Klubb: Stand 310

See CPL

Landoll: Stand 403

See: Keith Rhodes Machinery Installations

LGMG: Stand 200/300

Chinese aerial work platform and telehandler manufacturer LGMG promises a packed stand, featuring three new articulated boom lifts making their UK debut. They include its first hybrid boom lift - the 65ft AR20JE Hybrid - as well as the 35ft AR11J Rough Terrain boom and 80ft AR24J articulated boom which offers a working height of 26.6 metres. Also on the stand will be the 12ft M0407TE mast type lift and 10 metre M0810JE mast boom. Finally, if you have not seen it before, check out the 30ft A09JE industrial boom lift which offers up to 11 metres working height in tight work spaces. Ask about its new 65ft SR2024E all-electric Rough Terrain scissor lift.

On the stand: M0407TE, M0810JE, A09JE, AR11J, AR20JE Hybrid, AR24J



LGMG A09JE

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LiuGong Machinery: Stand 113

LiuGong will launch the new 40ft LS1216HC tracked scissor with stabiliser jacks which offers a working height of 14 metres. Also on the stand will be the 53ft LA16JE electric articulated boom lift and 20ft LS0608E slab electric scissor lift.

On the stand: LS1216HC, LS0608E and LA16JE



Maber: Stand 410

See CLM Construction Supplies

Mace Industries: Stand 122

Mace Industries is the UK distributor for Geda hoists and passenger lifts and the Bumpa tile handler and will show several models. Mace says the Bumpa conveyor has revolutionised the way tiles are loaded onto roofs, making the building industry a safer environment, at the same time as making it more efficient.

On the stand: Bumpa tile and material conveyor, Geda passenger and material hoists



MacGen Power Generation: Stand 207

MacGen Power Generation - first time exhibitors at Vertikal Days - will display its new Mac-Lift range of scissor and vertical mast lifts. The MGSL scissors range features working heights from 5.4 to 16 metres with platform lengths from 1.82 to 3.54 metres and platform capacities to 270kg. The MGVL vertical mast lifts offer working heights from 5.8 to eight metres with either 160kg or

230kg capacities. MacGen also supplies high-quality generators, lighting towers and VMS boards.

On the stand: MGSL scissors and MGVL mast lifts

Maeda: Stand 127

See Kranlyft



Magni Telescopic Handlers: Stand 119

Italian telehandler manufacturer Magni will show two models from its growing range of fixed, heavy duty and 360 degree telehandlers, which now top out with the 51 metre/6,000kg RTH 6.51 and the 26 metre/13,000kg RTH 13.26. Two telehandlers will be on the stand - the heavy duty 360 degree 39 metre/8,000kg RTH 8.39 and the more regular 15 metre/4,500kg fixed frame TH 4,5.15

On the stand: Magni RTH 8.39 and TH 4,5.15



Magni RTH 8.39

Manitou: Stand 414

Manitou will use the show for the European launch of its new range of scissor lifts starting with the 20ft/800mm wide SE 0808 slab electric. It will also have a decent selection of its latest telehandlers on display, including the new 26 metre/6,000kg all-electric MRT 2660 - 360 degree model and its smallest compact telehandler the 4.3 metre/1,500kg ULM 414h.

On the stand: SE 0808, MRT 2660 and ULM 414h



Manitou SE 0808

Mantall: Stand 309

Five of the models displayed on the stand of Chinese aerial work platform manufacturer Mantall are new. They include the 10 metre IMP 100J mast boom, and four new electric scissor lifts - the 26ft XE100C, the 40ft XE140W, the 19ft XE80NED and the 13ft XE60 Mini ED Plus.



MEC Aerial Work Platforms: Stand 104

MEC will have a busy stand with six products making their European debut: the 10ft all-electric Nano10-XD is the smallest model in its Micro class of slab scissor lifts and features the Xtra-Deck step up platform providing an additional 508mm of working height. Others include the 13ft Micro 13-XD scissor with roll out deck and a low floor load bearing, the 29ft Micro 19-XD and 26ft Micro 26-XD scissors both of which offer the Xtra-Deck option. Finally, the 32ft 3232SE narrow aisle scissor does not require levelling jacks and can be driven at full height. An additional exhibit will include the 25ft MME25 mast lift, making its first appearance in Europe.

On the stand: Nano10-XD, Micro 13-XD, Micro 19-XD, Micro 26-XD, 3232SE, MME25



MEC Micro 13-XD

Mecaplus: Stand 211/212

See Alfa Access Services

Morn Group: Stand 213B

As a first time exhibitor at Vertikal Days and making its UK debut Morn Group will show its new 45ft Jovoo V14 electric articulated boom lift with a seven metre up and over height with up to eight metres outreach. In case you wonder, Jovoo is part of the Morn Group and makes a range of platforms, including scissors, booms and trailer lifts.

On the stand: Jovoo V14



Jovoo V14

The iconic Hanger One Restoration project

SAEclimber took on the daunting task of this massive project, leveraging their technical expertise. After a period of rigorous study and testing, SAEclimber provided a practical solution demonstrating the adaptability, strength, and versatility of SAEclimber's mast climbers.

Key considerations:

- *Height: 65 m
- *Inclination: 30°
- *Special P45 SAEclimber Drive units
- *Location: San Francisco CA, USA

The anchoring forces due to the inclined façade and the metal structure were a crucial point in the design of equipment.

Unique tie solutions were implemented, and a distinct approach for the placement of cladding was devised, all in line with SAEclimber's commitment to authenticity and innovation.

Not to mention the possibility of using two drive units in the same mast to ensure the two sides of the mastclimber work independently.

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The HR22 SE telescopic boom offers a working height of 21.7 metres with a 280kg platform capacity. It features an advanced all-electric drive system and new enhanced touch screen intuitive controls, a low noise hydraulic pump and AGM battery pack.

On the stand: HR12 4x4 Mk2, HR22 SE

Omega Solutions: Stand 211/212

See Alfa Access Services

Palazzani: Stand 313

Italian spider lift manufacturer Palazzani will display the new 24.4 metre TZX 250S tracked articulated, twin telescopic boom spider lift. The compact machine has an overall length of 5.68 metres is 980mm wide and 1.95 metres high, with an overall weight of 2,740kg, making it possible to transport the unit on a trailer behind a 4x4 or pick-up. It can also be ordered with a 250kg winch to convert it to a small spider crane. Also ask about the world's largest spider lift, the 58 metre TTZJ58, which began shipping earlier this year.

Multitel Pagliero: Stand 411

Multitel will have four platforms on its stand - three truck mounts and a spider lift. The truck mounts will include the fully hydraulic 19.9 metre HX 200 EX on a 3.5 tonne chassis with aluminium base frame and extendable stabilisers, the 25.1 metre MZ 250 mounted on a compact three metre wheelbase chassis with all functions managed by Multitel's MUSA system, and the 35.3 metre MZ 350 which features a dual telescopic boom design, similar to the existing MZ250. The new unit can be operated with stabilisers retracted, partially or fully extended. Finally, the 25 metre SMX 250.2 spider lift has variable outrigger set-up and is available with a custom-built road trailer.

On the stand: HX 200 EX, MZ 250, MZ 350, SMX 250.2

Niftylift: Stand i5

UK boom lift manufacturer Niftylift will unveil two all new models at Vertikal Days, a 65ft telescopic - the HR22 SE - and the 33ft HR12 4x4 Mk2 compact Rough Terrain articulated.

The HR12 4x4 Mk2 boom lift builds on the success of the highly popular HR12 series, but offers improved performance, superior manoeuvrability, tough four wheel drive and a new Hybrid power system.



Palfinger Platforms: Stand 310

See CPL

PB Lift: Stand 211/212

See Alfa Access Services

Platform Basket: Stand 105

See Promax Access

Power Towers: Stand 106

See JLG

Promax Access: Stand 105

Platform Basket's UK distributor, Promax Access will display several tracked Spider access platforms including the new Spider 18.95 Hybrid. Features include a reduced overall weight, an increased cage capacity of 230kg and full radio control operation. Hybrid technology is available throughout the entire Spider range and every machine now has an onboard diagnostic display fitted as standard. Also making its UK debut will be the New Heron 10 tracked mast boom, featuring automatic stabilisation, a 230kg cage capacity, radio control operation and a 250kg winch option.

On the stand: Spider 18.95 Hybrid, Heron 10



Raptor: Stand 116 and 401/402

See Sogage Raptor and Independent Access Sales

ReesLift: Stand 103

Chinese manufacturer ReesLift or to give it its formal title - Shandong Plat4m Industries - is exhibiting at Vertikal Days for the first time and will show its range of low level platforms along with the recently announced 11.2 metre AMWP11.2-8100 mast boom with a three metre outreach at an up & over height of 7.89 metres. Also don't miss the 10 metre working height GTWY1-8DC push around lift, as well as the AML6, SML4.4 and BR159 material lifts.

On the stand: AMWP11.2-8100, GTWY1-8DC, AML6, SML4.4, BR159



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VERTIKAL DAYS

Ruthmann: Stand 205/206/304

See Versalift UK

SAEclimber: Stand 218

Spanish mastclimber and hoist manufacturer SAEclimber will have its PH10 transport platform on display with 1,000kg maximum payload, and 12 to 24 metres per minute elevation speed, together with its most popular mastclimber - the P40 - which has a maximum anchored height of 200 metres, a platform length of 12 metres and 1,600kg maximum platform capacity.

On the stand: PH10 and P40

Scanclimber: Stand 118

See Alimak

Shandong Plat4m Industries: Stand 103

See ReesLift

Sinoboom: Stand 209/307

Sinoboom will display a selection of its latest booms, scissors and mast lifts, including the new 71ft/23.6 metre working height/230kg capacity AB22EJPlus articulated boom as well as the 10 metre AB10ERJN mast boom, 13ft VM04E mast type lift and 3369RD and 4069RE scissor lifts.

On the stand: AB10ERJN, VM04E, 3369RD, 4069RE, AB22EJPlus



Skyjack: Stand 97

Skyjack will have a busy stand with the launch of its new range of battery powered electric Rough Terrain articulated boom lifts. The new 45ft SJ45 AJE + and 60ft SJ60 AJE + with 15.7 metre and 20.1 metre working heights respectively feature an all-electric axle based drive system, high performance AC electric traction and pump motors duty cycle performance to match or exceed the diesel powered models. The battery pack is more than enough for a full day's work, while an additional 30 minute reserve power allows them to be stowed and driven to a charging point.

On the stand: SJ45 AJE + and SJ60 AJE +



Snorkel: Stand 126

This year Snorkel will highlight its British-built range of machines. These will include models from its 10ft push-around up to its 66ft telescopic boom and will include the newly launched products such as the 13ft S3013 Mini micro scissor, the 19ft S3219 Plus scissor and the 46ft

SAEclimber



Snorkel A38E



460SJ and 66ft 660SJ booms which are making their UK debut.

On the stand: 460SJ and 660SJ, S3013 Mini, S3219 Plus

Socage: Stand 116 and 401/402

See Socage Raptor and Independent Access Sales

Socage Raptor: Stand 116

Socage launched the new spider lift brand last year, with a starting range of three models with working heights from 15 to 35 metres. On the stand will be two models, the 25S making its global debut, and the 20.8 metre Raptor 21S. Both fitted with automatic outrigger set up and automatic stowage.

On the stand: Socage Raptor 25S, Raptor 21S

STROS: Stand 407

STROS - the Czech manufacturer of hoists and industrial elevators - is returning to this year's show with a new hot-dip galvanised construction hoist. Visit the stand to find out more about the product.

On the stand: New hot-dip galvanised construction hoist

Terex AWP/Genie: Stand 409

See Workplatform

Teupen: Stand 211/212

See Alfa Access Services



Versalift: Stand 205/206/304

Versalift UK will feature vehicle mounted lifts from Versalift, France Elévateur and Ruthmann, along with spider lifts from Ruthmann Bluelift. On the stand will be the 51 metre Ruthmann T 510 HF truck mounted lift, the newly released Versalift VTE-125 Renault Master and a France Elévateur FE 121. Versalift UK will also be celebrating 30 years in business.

On the stand: Ruthmann T 510 HF, Versalift VTE-125 Renault Master, France Elévateur FE 121



Workplatform: Stand 409

Genie's UK dealer Workplatform will show a range of Genie articulated boom and scissor lifts alongside its material lift range. The company will also be promoting its replacement parts supply and service support.



XCMG: Stand i0

See Genesis Equipment Sales

Zoomlion: Stand 108/109 and 408

See AJ Access Platforms, TVH

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CRANES

AlmaCrawler: Stand i4

See GGR Group

Artic Crane: Stand 120

See City Lifting

BG Lift: Stand i4

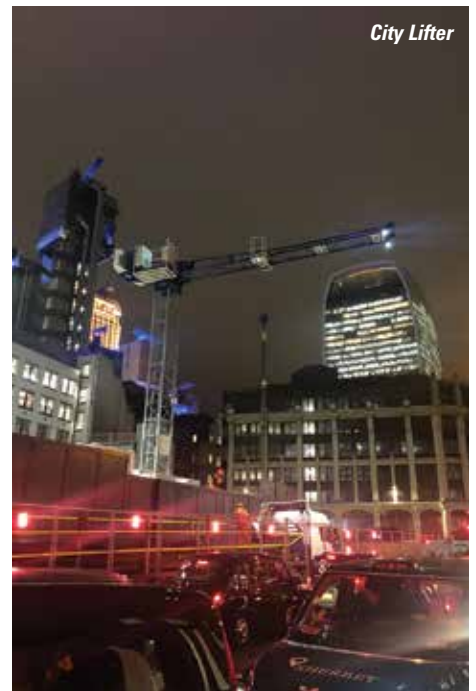
See GGR Group

Böcker: Stand 419

Böcker UK will have two units from its new range of steel/aluminium truck cranes on the

stand including the new six tonne AK 42 and the AK 48. Features include a new boom profile, more powerful hydraulic system for faster work speeds, 'tower crane' function and the ability to have a straight in line boom and jib configuration. The AK 42 offers a tip height of 42 metres with a maximum radius of 35 metres and can handle its maximum capacity at 8.2 metres or take 1.5 tonnes to a height of 24 metres with an 18 metre radius. The three tonne AK 48 is rated at 15.5 metres and has a hook height of 33 metres. The six tonne version is rated at 8.5 metres, with a height of 18.5 metres.

On the stand: AK 42, AK 48



City Lifter

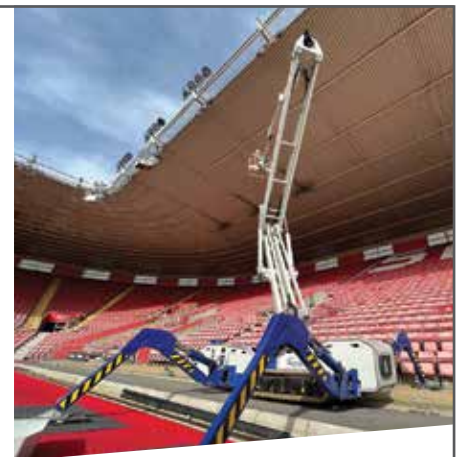


Böcker basket winch

City Lifting: Stand 120

City Lifting has a fleet of mobile and tower cranes up to 450 tonnes capacity, its tower cranes include Comansa flat top cranes, Wolff luffing jib cranes and its own Artic Raptor articulated jib tower cranes built in Sweden by Artic Cranes. The company's specialist contract lifting services can carry out complex lifting projects using its own personnel and equipment.

On the stand: Artic Raptor crane, City Lifter mini tower crane



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Comansa: Stand 120

See City Lifting

Cormidi: Stand i4

See GGR Group

Demag: Stand 129

See Tadano UK

Falcon Group: Stand 412/413

Falcon Group will have a diverse display showcasing its latest products and services. Falcon Tower Crane Services will show a new Potain HUP 40-30 self-erecting tower crane, while highlighting its new Contract Lifting services. A brand-new Volvo truck fitted with a Fassi F660 crane will fly the flag for the Freight division, whilst Falcon Power Generation will demonstrate its Northvolt Voltpack battery system along with Dumarey Flybrids and Stage V diesel generators. The group's online shopping platform Falcon Shop - will also have a pop-up stand selling merchandise.

On the stand: Fassi F660 crane, Potain HUP 40-30, Northvolt Voltpack, Dumarey Flybrids, JCB Stage V diesel generator, Falcon Shop

Potain HUP 40-30



Falcon Tower Crane Services: Stand 412/413

See Falcon Group

Fassi: Stand 412/413

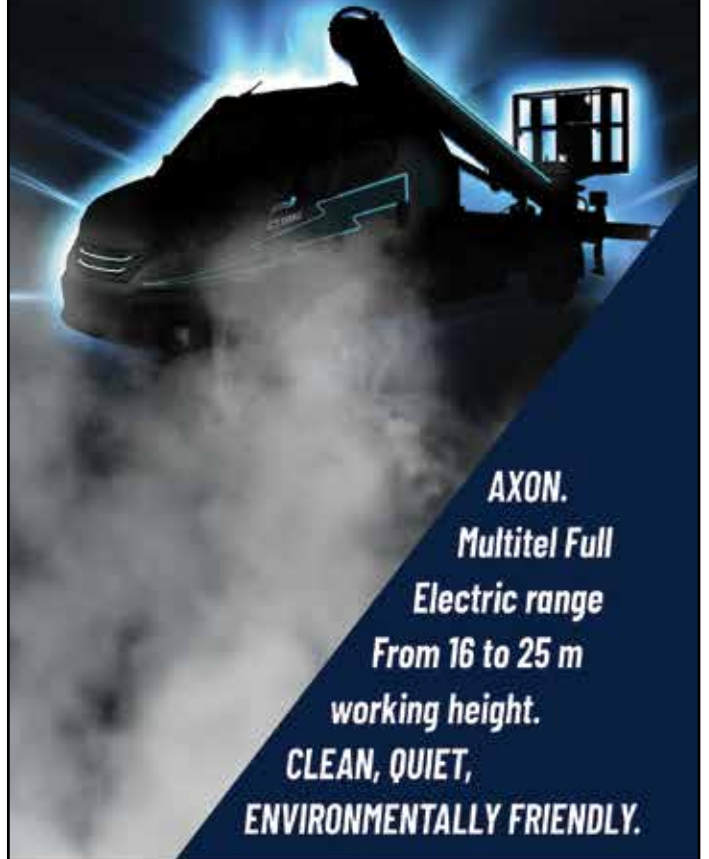
See Falcon Group

Foster Crane & Equipment: Stand 125

Recently appointed Jekko distributor for the UK, Foster Crane & Equipment will exhibit five Jekko cranes from the manufacturer's 12 model range which runs from 600kg to 90 tonne/metres. Check out their virtual wall



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On the stand: JF545, SPX 1280, SPX 650, SPX 532, SPX 328

Galizia: Stand i4

See GGR Group

GGR Group: Stand i4

GGR probably offers the UK's widest range of specialist lifting equipment including spider cranes, mini crawler cranes, pick & carry cranes, electric telehandlers, glazing robots, powered beams, tracked carriers and vacuum lifters. The stand will be well stocked with new and innovative products including the new Unic URW-546-2 spider crane and units from Faresin, Sunward, Galizia, BG Lift, Almac and Glasboy. So make sure you allow some time for this one.

On the stand: Unic URW-546-2



Glasboy: Stand i4 and 111

See GGR Group and 4 Cladding Services

Grove: Stand 415-17

See Manitowoc Cranes

Hitachi Sumitomo Cranes: Stand 421

See NRC Plant

Hoeflon: Stand 130

Dutch spider and mini pick & carry crane manufacturer Hoeflon and its newly appointed UK distributor Crowland Cranes will show four spider and tracked pick & carry models: the 550kg capacity C1 Compact, the 3,000kg/16 metre electric C6e, 4,000kg/19.8 metre electric C10e and its most powerful compact crane, the nine tonne capacity C30. Also on display will be the 1,200kg capacity TC1 tracked carrier and recently launched Hoeflon Multitool crane attachment for placing beams, pipes, sheets of glass and pallets.

On the stand: C1, C6e, C10e, C30, TC1 and Multitool

Jaso: Stand 412/413

See Falcon Tower Crane Services

Jekko: Stand 125

See Foster Crane & Equipment

JMG Cranes: Stand 311B

JMG Cranes - the Italian electric crane and heavy specialist forklift manufacturer with capacities up to 70 tonnes - will show two fork truck/pick & carry cranes - the JMG MC250.09 FL and the MC100.08. The 25 tonne MC250.09 FL has a cab and the option of radio control, forks or hydraulic

Hoeflon C1



JMG Cranes

boom, load indicator and tilting moment limiter. The 15 tonne MC100.08 features a quick change boom which increases the machine's versatility.

On the stand: MC250.09 FL, MC100.08

Klaas: Stand 127

See Kranlyft

Kobelco: Stand 418

Kobelco will exhibit two of its latest cranes. The 75 tonne TKE750G telescopic crawler powered by a new Mercedes-Benz E9H01 Stage V diesel and rated at three metres. Alongside is the 150 tonne CKE1350G-4 lattice boomed crawler, powered by the latest Isuzu 6U21 Stage V engines.



CKE1350G-4

Kranlyft: Stand 127

The Kranlyft Group - UK distributors for Maeda, Klaas and Terex self-erecting tower cranes - will have a selection of machines from each manufacturer. The new Maeda MK3053-C will be joined by other Maeda spider and mini crawler cranes. The Klaas range will be represented by the K2300 aluminium crane - claimed to be the strongest on the market with a nine tonne capacity - and possibly the new K2500 which replaces the K1100 as the largest in the Klaas range with a lift height of 58 metres.

The Terex self-erecting tower crane line will be represented by the new fully electric controlled CSE 32 equipped with the Terex Power Plus along with anti-collision systems.

On the stand: Maeda MK3053-C and CC985, Klaas K2300, Terex CSE 32



Maeda CC985

H1840

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RELIABILITY IN ACTION

Kranmeister: Stand 315

See *The Trailer Crane Company*

Liebherr: Stand 422 - 425

Liebherr will exhibit a full range of products and services with two new cranes, the 400 tonne/70 metre boom LTM 1400-6.1 and the 150 tonne LTR 1150 telescopic crawler crane, both of which will make their UK debut at the show. Also on the stand, its first hybrid mobile crane, the LTC 1050-3.1E, and the battery-powered LR 1160.1 unplugged crawler crane. There will be six other All Terrain cranes with capacities from 40 to 300 tonnes - all HVO ready - and an MK 140-5.1 mobile self-erecting tower crane.

Liebherr's technical team will demonstrate the latest updates to its Crane Planner and Crane Finder software, showing how to maximise the 'MyLiebherr' account. Liebherr Training Services will be available to advise on new technology and training courses.

On the stand: LTM 1400-6.1, LTR 1150, LTC 1050-3.1E, MK 140-5.1, LTM 1300-6.3, LTM 1230-5.1, LTM 1150-5.3, LTM 1090-4.2, LTM 1060-3.1, LTM 1040-2.1, LR 1160.1 unplugged

Link-Belt: Stand 421

See *NRC Plant*

Maeda: Stand 127

See *Kranlyft*



Liebherr LTM 130-5.1



Kranlyft Group

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Manitowoc Cranes: Stand 415-417

Expect the Manitowoc stand to be busy, with three Grove All Terrain cranes on display, alongside the upgraded Grove GRT8100 Rough Terrain with a 72.9 metres tip height, the motors and cab from a Potain MR229 luffing jib tower crane to highlight the group's CCS Crane Control System. The company will also promote its customer support services including used crane sales, training, rebuilds and refurbishment, parts and repairs.

The Grove All Terrains include the five axle 150 tonne GMK5150XL with 68.7 metre main boom, the four axle GMK4100L-2 with 60 metre main boom and maximum tip height of 89 metres, and the three axle GMK3060L-1 with 48 metre main boom which the company claims is the most compact crane in its class.

On the stand: Grove GRT8100, Potain MR229, Grove GMK5150XL, GMK4100L-2, GMK3060L-1.

Midi Cranes: Stand 315

See The Trailer Crane Company

National Crane: Stand 415-417

See Manitowoc Cranes

NRC Plant: Stand 421

NRC - UK distributors for Link-Belt and HSC (Hitachi Sumitomo Cranes) - will have on display a 100 tonne HSC SCX1000A-3 lattice crawler crane which has been purchased by UK civil engineering contractor JT Mackley.

On the stand: HSC SCX1000A-3

Ormig: Stand 314

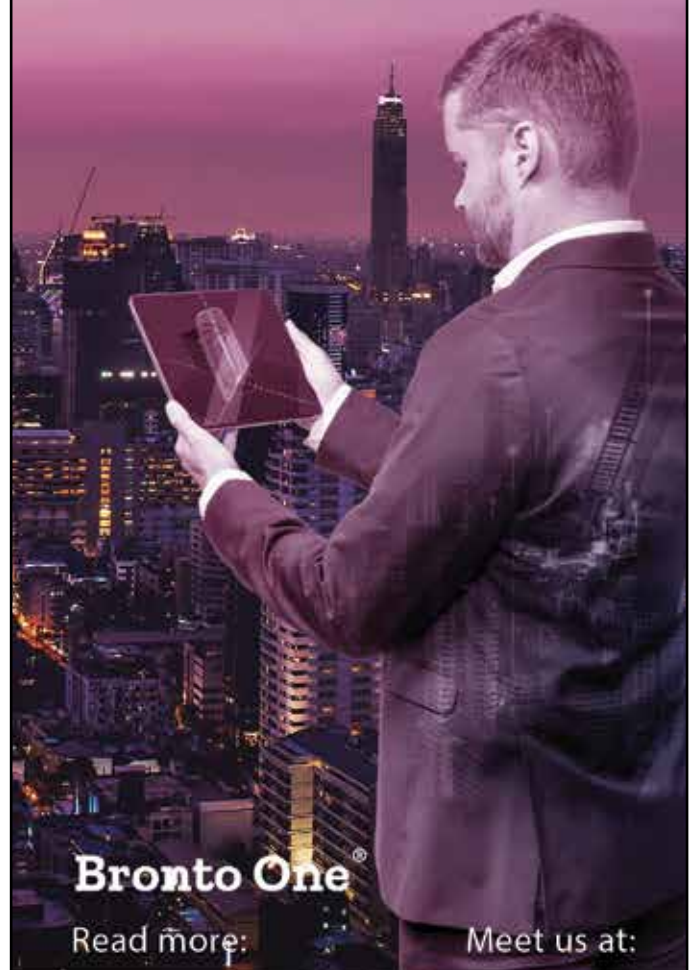
See Crowland Cranes

Potain: Stand 415-417

See Manitowoc Cranes



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The Cedric Ford Building

Visitor Parking

Blue Gate Exhibitor Parking

HOISTECH BEKAERT

100 101



CPS LIFT 99

CONTRACT PLANT RENTAL 98

SKYJACK 97

GENESIS EQUIPMENT SALES/XCMG i0

CTE i1

APS/HINOWA i2

LGMG

200/300

ALP LIFT 301

TOROUER 303/302

203/202/201

204

TRACKED CARRIERS

IMER ACCESS

AXOLIFT

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115

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102 ELECTROELSA

103 REESLIFT

104 MEC

105 PROMAX ACCESS

106 JLG

107 BRAVISOL

108/109 AJ ACCESS PLATFORMS / ZOOMLION

110 GENERATOR POWER

111 4 CLADDING SERVICES

112 HYDRAULIC PLATFORM SERVICES

113 LIUGONG MACHINERY

114

115

JCB

116 SOCAGE RAPTOR

Vertical days

Wednesday 11th September
10am to 5.30pm,
Thursday 12th September
10am to 4.00pm

UNIVERSAL CRANE MATS 400

INDEPENDENT ACCESS SALES 401/402

LANDOLL UK/KEITH RHODES 403

INTERNATIONAL PLATFORMS 404

HAULOTTE 405/406

STROS 407

TVH 408

WORK PLATFORM/GENIE 409

CLM CONSTRUCTION SUPPLIES 410

MULTITEL PAGLIERO 411

FALCON TOWER CRANE SERVICES 412/413

MANITOU 414

MANITOWOC 415/417

KOBELCO 418

BÖCKER 419

SANY 420

NRC 421

LIEBHERR 422/425

WOLFFKRAN 427

VERSALIFT

205/206/304

CLOSE BROS 305

306

209/307

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212/211

310/309

213/311

311A

311B

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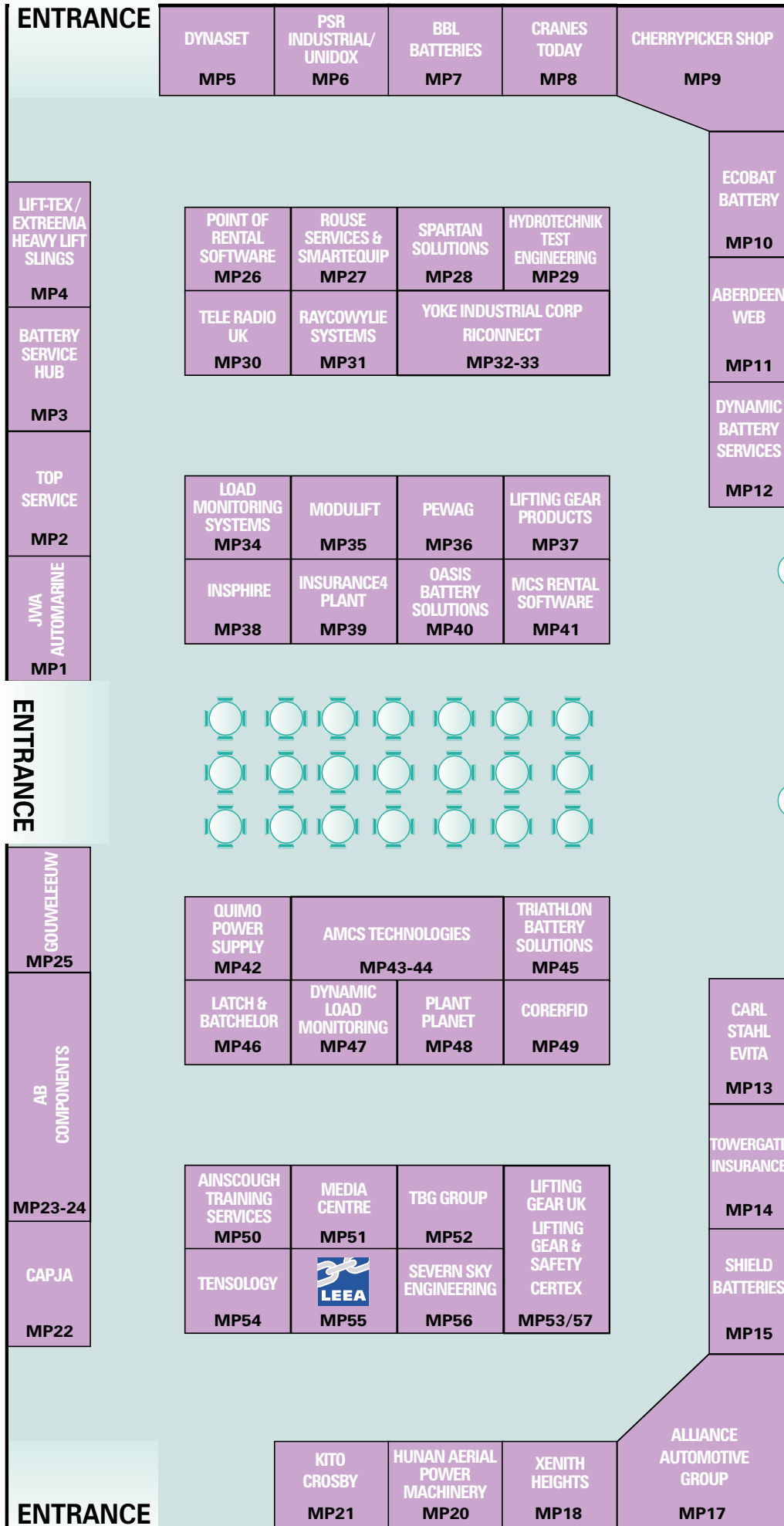
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Sany SAC600E

Sany: Stand 420

The Sany stand will showcase the 60 tonne, three axle SAC600E All Terrain crane launched in the UK last year. Powered by a MTU OM470LA Stage V diesel, coupled with Allison transmission and Kessler axles, the SAC600E has a 50 metre main boom with the option of 16 metre bi-fold swingaway extension and in the UK can travel with 13 tonnes of counterweight on board. Ask about the two larger All Terrains that are due later this year. Sany also produces telescopic crawler cranes from 60 to 80 tonnes and lattice boomed cranes from 60 to 480 tonnes.

On the stand: SAC600E

Secatol: Stand 315

See The Trailer Crane Company

Shuttlelift: Stand 415-417

See Manitowoc Cranes

Spierings: Stand 128

Spierings will show for the first time in the UK the electric SK1265-AT6 eLift 2.0 mobile tower crane. The crane can be connected to either a



SK1265-AT6 eLift 2.0

16 or 32 Amp connection for unlimited electric operation or run off the battery with its automatic start/stop system. Fuel consumption is reduced to less than two litres an hour compared to seven litres per hour for a conventional crane. When the battery is low, the generator automatically starts recharging.

By combining 40 percent electric mode and 60 percent hybrid mode operation, the new eLift 2.0 achieves up to 85 percent fuel savings which Spierings claims equates to a reduction of 36,500kg of CO2 and offsets 1,694 trees within 10 years.

On the stand: SK1265-AT6 eLift

Sunward: Stand i4

See GGR Group

Tadano: Stand 129

Tadano will highlight its new hybrid All Terrain crane concept on the 70 tonne AC 4.070L-1 Hybrid. The crane features an electric powered superstructure for zero emissions and minimal environmental impact. It also has various other power options with an integrated battery, external electric power connection or a diesel generator to cope with differing site demands but maintains the same lifting capacity and speed as traditional diesel powered cranes. The battery is said to retain 80 percent capacity after 3,000 full charging cycles. The low-maintenance design further reduces overall maintenance costs.

On the stand: AC 4.070L-1 Hybrid



Terex: Stand 127

See Kranlyft Group

The Trailer Crane Company: Stand 315

The Trailer Crane Company will launch the largest towable tower crane currently in production, the Midi LS15.17. With a 15 metre under hook height, a 1,500kg capacity and a 17 metre reach with 500kg at the jib tip, the crane is said to be ideal for housebuilding, and weighing 3.5 tonnes can be towed on the road by a pick-up truck, large 4x4 or a suitably sized van.

Also on display will be lightweight aluminium lifting equipment, specially designed for use with the trailer cranes, and an innovative radio remote control operated concrete skip.



On the stand: Midi Crane LS15.17

ToughLift: Stand i2

See Access Platform Sales

Unic: Stand i4

See GGR Group

Vita: Stand 427

See Wolffkran

Weinold: Stand i2

See Access Platform Sales

Whitney Engineering: Stand 315

See The Trailer Crane Company

Wolffkran: Stand 427

Wolffkran will showcase the eight tonne capacity Wolff 6020.8 Clear tower crane and host a unique lifting challenge with a scale model Wolff 700 B tower crane for the winner.

Wolff Onsite will have a live demonstration of the latest Vita Load Navigator load stabilisation technology. A Wolff Hybrid Power Unit will also be on display alongside lifting accessories and a chance to test the Hook Time analysis software by 1Guava.





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OTHER EQUIPMENT

1 Guava: Stand 427

See *Wolffkran*

4 Cladding Services: Stand 111

First time exhibitors at the show, 4 Cladding Services will launch the innovative Norwegian Liftroller system in the UK. The products are designed to move heavy, bulky building items from cranes or other lifting equipment into buildings and around site and include cantilever loader platforms and a wheeled transporter.

Also on the stand will be three new vacuum lifters: the Glass Boy GB-XL which can be set up in up to five different configurations, the compact Cool Boy 400 for the installation of sandwich wall panels and the Glass Boy GB-X with rechargeable battery.

On the stand: Liftroller Wall, Floor and E Wagon, Glass Boy vacuum lifters.

Aberdeen Web: Stand MP11

Aberdeen Web is a leading manufacturer of web



Liftroller E-Mover

slings, round slings and ratchet systems up to 250 tonnes and will show a selection of products including round slings, webbing slings, HMPE round slings and wear sleeves.

On the stand: Round Slings, Webbing Slings, HMPE Round Slings and Wear sleeves

AB Components: Stand MP23/24



AB Components supplies a vast range of quality filters and filtration accessories for a variety of applications and equipment from brands including Hengst Hydraulic, Donaldson, Mann, Fleetguard, FGI (Filtration Group), Argo-Hytos.

Ainscough Training Services: Stand MP50

Ainscough Training is one of the UK's largest independent, specialist lifting operation training providers to the construction, manufacturing, engineering, aerospace and utility sectors, with bespoke training facilities in the North West of England and central London. Training includes CPCS/NOCN, CSkills Awards and NVQs.

Albright: Stand 408

See *TVH*

Alimats: Stand 219

See *Brilliant Ideas*



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Alliance Automotive Group: Stand MP17

Alliance Automotive Group distributes the Platinum range of industrial monobloc batteries to the access industry and will display its range of flooded lead acid monobloc batteries as well as its growing lineup of AGM batteries.

On the stand: Platinum deep cycle, AGM and automotive batteries

AMCS Technologies: Stand MP43/MP44

French safety device manufacturer AMCS Technologies will demonstrate its crane anti-collision, zoning and site supervisor systems, along with its video cameras such as the CAM 61 video camera for crane operators featuring a high definition, 36x optical zoom, 16x digital zoom, day/night vision ICR filter, autofocus and image stabiliser.

Also on display is the DCS 61-S which automatically detects the movements of mobile cranes and integrates the information into the tower crane controls. It calculates in real time and 3D the distances between parts of the tower crane and the mobile, checking movement speeds in order to slow the tower crane down and bring it to a stop if necessary at pre-set distances from the other crane.

On the stand: DCS 61-S, IoT data collection solution, CAM 61



AMCS CAM 61

Ametek: Stand 408

See TVH

APP: Stand 408

See TVH

ARESTA: Stand MP18

See Xenith Heights

ARGO HYTOS: Stand MP23/24

See AB Components

Atlas Copco: Stand 110

See Generator Power

Baldwin Filters: Stand 408

See TVH

Battery Service Hub: Stand MP3

Industrial battery and charger supplier Battery Service Hub will show a range of batteries from US Battery, Pegasus and TAB Traction batteries. Products on the stand will include AGM, Gel and lithium batteries and chargers including the newly released US-L16N from US Battery and the Pegasus GB6420.



On the stand: US Battery US-L16N and Pegasus GB6420

Bauser: Stand 408

See TVH

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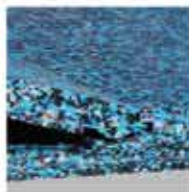
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BBL Batteries: Stand MP7

BBL Batteries is the UK distributor for the innovative Canadian battery maker Discovery Battery. It has been an independent battery distributor in the UK for more than 50 years.



On the stand: *Discovery Battery EVGC6A-A*

Bekaert: Stand 101

Wire rope specialist and first time exhibitor Bekaert will highlight the advanced services it offers, including mid-life and post-life rope analysis which can help to safely extend the life of a rope. On show will be the newly released VisionTek, MRT and Lightweight re-lubricator.

On the stand: *VisionTek, MRT and Lightweight relubricator*

Bepco: Stand 408

See TVH



Beta: Stand 408

See TVH

Blokcam: Stand MP21

See Kito Crosby

Brilliant Ideas: Stand 219

Brilliant Ideas will showcase its Alimats range of interlocking aluminium outrigger mats with sizes from 330mm to 8.07 square metres and weighing between 13kg and 48kg making them easy for two people to handle. The highlight of the stand will be the 'Half Loader Spreader Module' which will replace crane pads in the Alimats system. Designed to provide a more even load spread under high outrigger loadings, it complements the existing range of modules spreading the outrigger load over two locations. The new profile is deeper than the standard Alimats profile and three times stiffer. Also look out for the new Ramp Modules designed to interlock into the Alimats system enabling aerial lifts to drive directly onto mat systems.

On the stand: *Half Load Spreader Module, Ramp Modules*

Brindley Chains: Stand MP37

See Lifting Gear Products



CAM attachments: Stand 408

See TVH

Camlok: Stand MP13

See Carl Stahl Evita

Capja: Stand MP22

Capja specialises in digitising timesheets and check sheets with an easy to use app, tracking employee hours and job progress without manual paperwork. New releases at the show include: CapjaDocs QR codes which can show machine and staff relevant documents and also create fillable forms. AssetCapja can manage accessories, inspect items, raise certificates and



QR code scanning

see last known locations. DocBuilder creates RAMS documents from Capja's mobile app or online portal and CapjaForms is a lifting specific timesheet and defect capture mobile app for operators, supervisors and slingers.

On the stand: CapjaDocs, AssetCapja, DocBuilder, CapjaForms

Carl Stahl Evita: Stand MP13

Carl Stahl Evita offers a wide range of lifting equipment including chain slings, shackles, eyebolts, webbing and round slings, swivels, wire ropes, chain blocks, pull lifts, bespoke fabrication and working at height equipment. The company can also carry out thorough examinations, inspections and testing of all lifting equipment. Training courses as an LEEA Accredited provider includes Lifting and Slings, Overhead Travelling Crane & Management of Lifting Operations.

Seven new products will be on the stand: William Hackett C4 CH Chain Block and L4 Lever Hoist,



Grade 80 & 100 Chain Slings, MaxX Permanent Lifting Magnets, Lifting Ring VLBG-PLUS, Green Pin Shackles, along with new webbing and round slings.

Certex: Stand MP53/MP57

See Lifting Gear UK, Certex UK, Lifting Gear & Safety

Clad Boy: Stand 111

See 4 Cladding Services

Close Brothers Asset Finance: Stand 305

Close Brothers Asset Finance is now a leading asset finance company in the UK, providing finance for new and used equipment. It works closely with businesses to provide tailor made, practical solutions that enable success and growth.



Cherrypicker Shop: Stand MP9

First time exhibitors at Vertikal Days, the team from Cherrypicker Shop aims to be a one stop, easy to deal with source for replacement parts for all aerial work platforms, including discontinued brands or models. The company is also looking to meet with manufacturers and importers to discuss its parts warehousing, order handling and retail facilities. Make sure you enter the free prize draw to win a radio controlled Cherrypicker Porsche!

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Columbus McKinnon: Stand MP53/MP57

See *Certex, Lifting Gear UK, Lifting Gear & Safety*

Construction Plant-hire Association (CPA): Stand 316

The CPA is the trade association for crane rental companies in the UK, offering advice and guidance on issues affecting the crane sector such as embargo times. The CPA will also host a joint Crane Interest Group (CIG)/Tower Crane Interest Group (TCIG) meeting at the show. CPA members who wish to attend the meeting should email Rob Squires at rob@cpa.uk.net

CoreRFID: Stand MP49

CoreRFID and partner Spanset will demonstrate inspection software and hardware solutions for the lifting industry which they claim can reduce costs by up to 65 percent. On the stand will be the recently released CheckedOK - a LOLER and PUWER asset management and inspection system - which automates the administration process, replacing spreadsheets and paper based systems with easy to use software. RFID tags electronically identify and track items, how they are used and whether they need attention. Data from RFID tags can be collected automatically and remotely, making it easy to automate processes



that depend on manual data entry, reduce costs and develop new ways of working.

On the stand: *CheckedOK, RFID*

Cranes & Access: Media Centre

Cranes & Access magazine - part of the lifting equipment news provider Vertikal Press - is the leading publication for the crane and aerial lift industry both in the UK and worldwide with subscribers in 197 countries.

See *Kran & Bühne, Vertikal.net, Vertikal Press*



Cranes Today: Stand MP8

The oldest English language crane magazine will have its latest issues on display.

Crosby: Stand MP21

See *Kito Crosby*

Crowland Cranes: Stand 314

Crowland Cranes will exhibit the full Power-Pad range including regular outrigger mat systems in both steel and aluminium, crane storage solutions. Its popular crane wheel removal tool - the Rim Wizard - will also be on the stand, along with a range of crane specific service tools together with the Crowland Cranes' wireless windspeed system.

On the stand: *Power-Pad product range, Rim Wizard, Wireless windspeed system*

Crown Deep Cycle Battery: Stand MP15

See *Shield Batteries*

Curtis: Stand 408

See *TVH*

Delta-q: Stand 408

See *TVH*

Denso: Stand 408

See *TVH*

DiepA: Stand MP13

See *Carl Stahl Evita*

Discover Battery: Stand MP7

See *BBL Batteries*

Donaldson: Stand 408

See *TVH*

Dumarey Green Power: Stand 311A

Dumarey Green Power products help capture and reuse energy across a wide range of applications helping reduce emissions and costs. The company makes power flywheel and battery energy storage systems. At Vertikal Days it will launch an all new 'Revolution Battery System' using minimal lithium battery storage to power tower cranes, mastclimbers and hoists. Its Peak Power 200 - a flywheel energy storage system will also be on display for the first time in the UK, along with the PowerSkin battery energy storage system.

On the stand: *Revolution Battery System, Peak Power 200, PowerSkin*



Dynamic Battery Services: Stand MP12

Dynamic Battery Services - the UK master distributor for Trojan Batteries will have a selection of products on display including the latest Trojan premium AGM battery - the Trojan AES - alongside products from Vicron Energy and Dynamic Batteries.



On the stand: Trojan AES, Vicron Energy, Dynamic Batteries

Dynamic Load Monitoring: Stand MP47

Dynamic Load Monitoring specialises in the design and manufacture of load cells and load monitoring equipment and will demonstrate its Telemetry Dongle TD-3.0 which was launched in the UK earlier this year.

On the stand: Telemetry Dongle TD-3.0



Dynaset: Stand MP5

Hydraulic equipment manufacturer Dynaset specialises in hydraulic generators and other devices to produce on board electricity, a high



pressure water or compressed air supply as well as magnetic or vacuum power. This year it will show its HG Hydraulic Generator and recently launched HKR Hydraulic Screw Compressor.

On the stand: HPW Hydraulic High Pressure Water Pump, HK Hydraulic Piston Compressor

Dyneema: Stand MP4

See Lift-Tex Heavy Lift Slings

Ecobat Battery: Stand MP10

Ecobat Battery supplies batteries and DC electrical components for a wide range of uses. Its stand this year will highlight Rolls Battery's flooded and AGM deep cycle ranges and the EcoFlow Delta 2



Portable Power Station with fast charging and wide compatibility. Also on show will be Fronius chargers for lead acid and lithium-ion traction batteries and SPE battery chargers.

Ecoflow: Stand MP10

See Ecobat Battery

Eichenger: Stand MP13 and MP37

See Carl Stahl Evita and Lifting Gear Products

Energic Plus: Stand 408

See TVH

Enerpac: Stand MP37

See Lifting Gear Products

English Braids: Stand MP37

See Lifting Gear Products

Extrema: Stand MP4

See Lift-Tex Heavy Lift Slings

FASTN: Stand 405/406

See Haulotte

Fleetguard: Stand 408 and MP23/MP24

See TVH and AB Components

Fluks: Stand MP52

See TBG Group

Fluke: Stand 408

See TVH

Fronius: Stand MP10

See Ecobat Battery

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FT Wind Sensors: Stand 217

FT Technologies returns to Vertikal Days with its wind sensors for harsh conditions. Its devices provide information such as wind speed, direction, temperature and more, in a compact industrial grade hand held package. New for this year is a lightweight industrial grade sensor that provides consistent, reliable data for cranes and control systems with no moving parts or maintenance required. The sensors are widely used for wind turbine control and a range of industrial applications where wind data is critical.



On the stand: FT Wind Sensor with Acu-Res Ultrasonic Technology

Ganterud: Stand 100

See Hoistech

GemOne: Stand 408

See TVH

Generator Power: Stand 110

First time exhibitor Generator Power is one of the UK's largest independent generator rental companies specialising in diesel generators, battery storage and containerised solutions.

On the stand: Atlas Copco ZBC 250-500, Atlas Copco ZBP 120-120 & ZBP 45-75 and the Atlas Copco QAS 325 Stage V.



GJ Mats: Stand 215/216

First time exhibitor GJ Mats is the UK's main supplier of Ekki timber crane mats and will showcase its heavy duty ground protection and stabilisation solutions, including its range of bog mats and crane mats, both are 150mm mats for loads of up to 40 tonnes and its heavier crane mats for cranes weighing several hundred tonnes.

On the stand: Ekki Timber Crane Mats



Gouweleeuw: Stand MP25

Returning this year Gouweleeuw specialises in blasting and painting heavy equipment including aerial work platforms, cranes, telehandlers and earthmoving equipment. The company has three large facilities in Emmeloord, the Netherlands and can tackle any job, large or small, regularly working for manufacturers including Liebherr, Tadano, Terex, Grove, Manitowoc, Spierings and Kobelco.

Grammar: Stand 408

See TVH

Green Pin: Stand MP13

See Carl Stahl Evita

GS Yuasa Pro-Spec: Stand MP15

See Shield Batteries

Gunnebo Industries: Stand MP37

See Lifting Gear Products

Harness ON: Stand 408

See TVH

Hengst Hydraulic: Stand MP23/MP24

See AB Components

Hoistech: Stand 100

Chain and rope supplier Hoistech has supplied the Irish market for more than 40 years and returns to the show this year with the 20 tonne Ganterud L20-3 Pro auto-levelling lifting yoke which can rotate loads for both levelling or lifting into challenging spaces.



On the stand: Ganterud L20-3 PRO

Honeywell: Stand 408

See TVH

Hunan Aerial Power Machinery: Stand MP20

First time exhibitor Hunan Aerial Power Machinery will show a full set of aerial lift control systems including platform control boxes, motor controllers, ECU harnesses and a 48 volt/40 amp and 24 volt/30 amp battery charger.

On the stand: Tilt and angle pressure sensors, Full set connector, Toggle switch and key, switches, hydraulic valves, engine parts and filter sets.



Hydrotechnik UK: Stand MP29

First time exhibitor Hydrotechnik UK will exhibit products from the Watchlog range including Bluetooth, Wireless and Pro models. Watchlog Bluetooth is used for short transmission of sensor readings for monitoring and logging on iOS and Android mobile devices. Watchlog Wireless does much the same, but over a greater distance with the ability to monitor up to 60 sensors at one time over distances up to 1.6km. Watchlog Pro is a cloud based platform for monitoring sensor performance whatever the location. Configurable interfaces allow for graphical or numerical monitoring of sensor data with long term datalogging history and alarming features by text or email.

On the stand: Watchlog Bluetooth, Wireless and Pro



Inferno: Stand MP4

See Lift-Tex Heavy Slings

inspHire: Stand MP38



Software developer inspHire has been supporting global rental businesses of all sizes for more than 25 years. At this year's show it will launch three new products - inspHire Office, OnRent and Corporate. Office digitises processes with a complete solution designed for rental businesses. OnRent is an online rental management software designed for small to medium rental businesses, while Corporate provides advanced features utilising Microsoft SQL technology.

On the stand: inspHire Office, OnRent, Corporate

Insurance4Plant: Stand MP39

Show first timers Insurance4Plant specialises in tailored insurance for crane, aerial lift and general rental equipment. It offers comprehensive coverage against equipment damage, theft and liability issues. Flexible short term hire insurance is adaptable providing protection even for temporary rental contracts.



IPAF: Centre aisle

The International Powered Access Federation promotes the safe use of powered access equipment and training. It will promote its latest safety campaign 'Crushing can Kill' which focuses on the critical issue of entrapment hazards when using platforms.

ITH Bolting Technology UK: Stand 306

ITH Bolting Technology is a developer, producer



VERTIKAL DAYS

and distributor of hydraulic bolt tensioning tools and torque wrenches for tightening and loosening bolt connections from M 16 (3/8") and up. The range of tools includes hydraulic bolt tensioning cylinders, hydraulic torque wrenches, battery driven pneumatic torque wrenches and pneumatic high pressure pumps as well as related hydraulic equipment and digital testing and documentation systems. On the stand will be the all new ITH ADS 3+ Battery Nut Runner and the ITH battery hydraulic pump for hydraulic torque wrenches.

On the stand: ITH ADS 3+ Battery Nut Runner, ITH battery hydraulic pump

JAC: Stand 98

See Contract Plant Rental

JW Automarine: Stand MP1

JW Automarine has been a world leader in the production of water weight load test bags and associated products for more than 50 years. Its products can be purchased or rented from its UK manufacturing site and through its global JWA Rentals division. The company also offers solutions for walkways, lifeboats and low headroom situations.

On the stand: Water weight load test bag



JWA Rentals: Stand MP1

See JW Automarine

Kerridge Commercial Systems: Stand MP38

See inspHire

Kito Crosby: Stand MP21

At this year's show crane rigging and accessory group Kito Crosby will display products from its BlokCam and Straightpoint divisions. BlokCam includes a number of wireless camera and alert systems that can be installed on the boom or hook block of mobile, crawler and tower cranes. Straightpoint manufactures load cell and weighting equipment.



Kran & Bühne: Media Centre

Kran & Bühne - part of the Vertikal group of publications - is the leading German language magazine for cranes, telehandlers and aerial work platforms.

See Cranes & Access, Vertikal.net, Vertikal Press

Lasalign: Stand 214

Lasalign specialises in the wheel alignment for mobile cranes, truck mounted lifts and HGV vehicles. The company stresses the importance of correct wheel alignment for optimum fuel efficiency while reducing tyre wear - something often overlooked in the crane and access market. Pop to the stand to find out more.



Latch & Batchelor: Stand MP46

Latch and Batchelor - the UK and Ireland distributor for Verope special wire ropes - returns to the show with a wide range of rope samples and end fittings for most makes of mobile, tower and crawler cranes, to name just a few. The company also offers onsite rope end termination fitting across the UK and Ireland.



Lifting Equipment Engineers Association (LEEA): Stand MP55

With more than 1,100 member companies worldwide, the Lifting Equipment Engineers Association (LEEA) is the leading body for the lifting and rigging industry providing training and setting standards, while providing technical and legal advice, and the development of examination and licensing systems.



Lifting Gear Products: Stand MP37

Lifting Gear Products is a national one-stop shop for all below the hook loose lifting and mechanical handling equipment. The company also offers crane refurbishment and reconditioning. This year the company is partnering with Pewag to showcase its Grade 12 Chain Sling system alongside various other Pewag product launches. The display will include chain slings and assemblies, heavy duty webbing and round slings, lashing assemblies, electric chain hoists, lifting beams and gantry systems.

Lifting Gear UK, Certex UK, Lifting Gear & Safety: Stand MP53/MP57

Certex UK, Lifting Gear UK and Lifting Gear & Safety jointly provide comprehensive, end to end lifting solutions that include project planning, equipment hire, maintenance, testing, and inspection services, supported by an unparalleled national coverage with a focus on local service.

On the stand: Steel wire rope, lifting equipment, inspection and testing services



Liftroller: Stand 111

See 4 Cladding Services

Lift-Tex Extreema Heavy Lift Slings: Stand MP4

Extreema is the leading brand of Dutch fibre sling manufacturer Lift-Tex Heavy Lift slings. The Extreema Heavy lift soft slings are made from HMPE/Dyneema and are widely used in offshore oil & gas projects. The highlight of the stand will be the Extreema Black Belt sling for very heavy lifts.

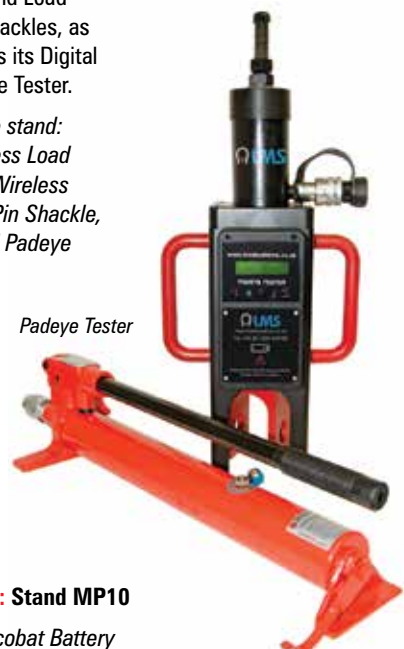
On the stand: Extreema Black Belt sling



Load Monitoring Systems: Stand MP34

Load Monitoring Systems specialises in the design, manufacture, sales and rental of lifting and load measuring products used in the marine, subsea, oil & gas, construction, mining and energy sectors. It will display Wireless Load Link and Load Pin Shackles, as well as its Digital Padeye Tester.

On the stand: Wireless Load Link, Wireless Load Pin Shackle, Digital Padeye Tester



Lucas: Stand MP10

See Ecobat Battery



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Mac's Truck Sales: Stand 210/308

First time exhibitor Mac's Truck Sales will unveil a new Beavertail truck body and the MTS-51 machinery carrier trailer. Both products have been designed in house in response to customer feedback.

The low profile Beavertail body is available in 7.5 to 32 tonne configurations and features the industry's lowest load angle, grid lock flooring, marine grade ramp ropes, heavy duty electric winch with radio remote control, double flip ramps and heavy duty lashing rings. The MTS-51 trailer can be dual plated to either 39 or 51 tonnes and features a fully galvanised body and double flip ramp slides for wider vehicles - operated from the remote which also operates the neck ramp.

On the stand: Low Profile Beavertail Truck, MTS-51 machinery trailer

MCS Rental Software: Stand MP41

With more than 40 years in the rental industry, MCS Rental Software will launch several new products to its range of resource planning tools, adding to its Timesheet Mobile app which simplifies and digitises the process of operators submitting hours completed for sign-off and its 'Rescourse Mobile', an app that helps delivery drivers and mobile service engineers provide immediate feedback to rental controllers and dispatchers, informing them when they arrive on site and allowing them to track work progress.



Miller Weblift: Stand MP13

See Carl Stahl Evita

Modulift UK: Stand MP35

Modulift will be showing several of its modular lifting beams and frames, including the MOD spreader beam, CMOD spreader frame, TriMOD spreader frame, Trunnion and Lattice spreader beams as well as the Multi-point modular lifting beam. The Modulift range can handle loads up to 5,000 tonnes with spans of up to 100 metres and DNV type approval up to 2,000 tonnes.

On the stand: MOD spreader beam, CMOD spreader frame, TriMOD spreader frame, Trunnion spreader beam, Lattice spreader beam, Multi-point modular lifting beam



Mouvers: Stand 312

Italian company Mouvers specialises in the design and manufacture of radio remote controlled modular machinery skates for moving heavy loads. On the stand will be the Apollo 3.0 - a heavy duty remote controlled skate for loads of up to 75 tonnes - as well as the 20 tonne capacity, 155mm high Explorer.

On the stand: Apollo, Explorer and moving skates

My Future My Choice: Newark Pavilion

My Future My Choice hopes to inspire and educate school children on the attractions of the access and lifting industry. Year 11 students from Lincoln UTC will have two days of workshops designed to inspire the next generation of crane operators and engineers including hands-on activities, competitions and a presentation challenge while introducing participants to the fundamentals of crane operations. Guided by apprentices and experts from Liebherr, students will have the opportunity to explore



the mechanics of cranes, learn about the latest technologies, and understand the crucial role of safety. The interactive sessions aim to spark interest in STEM careers, providing a unique platform for learning and inspiration. Vertikal Days, provides the perfect backdrop for the workshops, allowing participants to see a wide range of machinery in action.

Neargrid Solutions: Stand 121

Making its UK and Vertikal Days debut, Belgium based Neargrid specialises in designing and building cutting-edge battery systems. On the stand is the Neargrid Force battery system using lead acid technology, developed to power a single or multiple tower cranes on construction sites with limited or no access to the grid. The Neargrid Compact uses lithium ion technology.



On the stand: Neargrid Force, Neargrid Compact

Nolim: Stand i2

See Access Platform Sales

Northvolt: Stand 412/413

See Falcon Tower Crane Services

Oasis Battery Solutions: Stand MP40

As the UK's master distributor for Trojan Battery, Oasis Battery Solutions will showcase the recently launched AES and Lithium ranges. Trojan's technical team will also be on hand to provide in-depth insights into the latest advancements in battery technology.

On the stand: Trojan lead acid, AES & Lithium batteries



Optima: Stand MP10

See Ecobat Battery

Outtrigger Pads: Stand 408

See TVH

Parker: Stand 408

See TVH

Pegasus Battery: Stand MP3

See Battery Service Hub

Pewag: Stand MP36

With a history that stretches back to the 15th Century, the Pewag group is one of the oldest chain manufacturers in the world. Products include chains and components for lifting and lashing systems in grades G8, G10 and G12 as well as G6 stainless steel chain slings and other specialist chains for offshore DNV and forestry solutions. The company also offers a range of lifting clamps, magnets and hoist chains and can offer custom made wire ropes from 1.5mm to 64mm.



PG Drives Technology: Stand 408

See TVH

Pilotcar: Stand 211/212

See Alfa Access Services

Plant Planet: Stand MP48

Plant Planet is an independent magazine bringing the latest news, releases and insights from the heavy machinery industry into a single publication.

Platinum Batteries: Stand MP17

See Alliance Automotive Group

PlumAlti: Stand MP37

See Lifting Gear Products

Point of Rental Software: Stand MP26

Point of Rental provides rental software solutions from dispatching and wireless alerts to telematics integrations serving customers in 80 different countries from offices in the USA, UK, Australia, South Africa and Canada. On the stand will be Syrinx 365, purpose-built rental management software with global search functionality, customisable dashboard and cyber essentials accreditation.

On the stand: Syrinx 365



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Polystrup: Stand MP4

See *Lift-Tex Heavy Lift Slings*

Power-Pad: Stand 314

See *Crowland Cranes*

Pro-Spec: Stand MP15

See *Shield Batteries*

PSR Industrial: Stand MP6

First time exhibitor PSR International will be showing its range of products using Nylon 6 - a high strength material able to withstand extreme impact and abrasion. Products on the stand include outrigger pads, crane mats and load bay protection.

Pylontech: Stand MP10

See *Ecobat Battery*

Quasar: Stand MP45

See *Triathlon Battery Solutions*

Quimo Power Supply: Stand MP42

Quimo battery is produced by Nantong Quimo Power Supply and focuses on the development and manufacture of AGM batteries for aerial work platforms, sweepers, buses and other low-speed vehicles. It works with companies such as Zoomlion, Sunward, Sany, Sany Palfinger, Eurocrane, Mantall, Skyjack, Runshare and others.

RaycoWylie Systems: Stand MP31

RaycoWylie along with sister company RaycoSyscomak will display a selection of safety products including crane RCI systems from the i4000, i4300 and i4500 range along with range limiting devices. Its display will include the i4000 aerial work platform range limiting system, i4000 telehandler solutions.

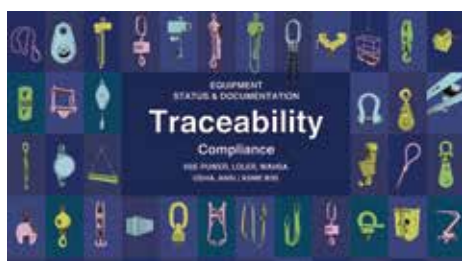


Rexroth: Stand 408

See *TVH*

RiConnect: Stand MP32/33

RiConnect is a critical asset management platform which provides efficient and accurate information transactions between different parties along a supply chain including manufacturers, distributors, owners, end user employees and inspection service providers. Visit the stand to find out more.



Ridgegear: Stand MP13

See *Carl Stahl Evita*

Rim Wizard: Stand 314

See *Crowland Cranes*

Ritchie Bros: Stand MP27

See *Rouse Services/SmartEquip*

Rolls Battery: Stand MP10

See *Ecobat Battery*

Ropes360: Stand 101

See *Bekeart*

Rouse Services/SmartEquip: Stand MP27

Rouse and SmartEquip are part of RB Global's services division. Rouse provides a suite of reporting tools including valuations, used equipment sales support and rental performance benchmarking, while SmartEquip offers a one stop parts procurement solution.

Making their global debuts at the show will be Rouse Rental Insights that provides benchmark rental rate and utilisation data, and Rouse Fleet Manager - a real time fleet management and valuation insights platform with access to a Ritchie Bros selling channels. Also on display is SmartEquip Procurement that streamlines spare parts purchasing and workflow on a single log-in platform.

On the stand: *Rouse Rental Insights, SmartEquip Procurement, Rouse Fleet Manager*



RUD: Stand MP13 and MP37

See *Lifting Gear Products and Carl Stahl Evita*

Severn Sky Engineering: Stand MP56

Severn Sky Engineering is a specialist vertical access company which provides skilled engineers including those dedicated to installation work for the rack & pinion lift and hoist industry.

Shield Batteries: Stand MP15

Shield Batteries is a UK manufacturer and distributor of batteries, chargers, inverters and



other associated products. Its brands include Crown Battery, Gs Yuasa Pro-Spec and Sterling, supported by a customer focussed service with the emphasis on technical and administrative support.

On the stand: *Crown CR220, Crown CR235, Crown CR330, Crown CR390, Sterling HPC AGM batteries, Sterling Lithium batteries, GS Yuasa Pro-Spec batteries*

Sinoboom: Stand 209/307 and 408

See *Sinoboom and TVH*

SmartEquip: Stand MP27

See *Rouse Services and SmartEquip*

Smartlift: Stand 99

See *CPS Lift*

Sonnenschein: Stand MP10

See *Ecobat Battery*

Spanset: Stand MP37 and MP49

See *Lifting Gear Products and CoreRFID*

Spartan Solutions: Stand MP28

Spartan Solutions will demonstrate Phalanx 6, a flexible software platform that digitises rental operations. The package delivers a range of mobile apps to support the picking, delivery, return and inspection of equipment. The form editor allows equipment experts to quickly design and deploy data forms to capture meter readings, checklist answers, equipment images and signatures. Phalanx's AI engine lets teams build and run expert rules on telematics data to deliver ultra-high availability allowing workshops to implement condition-based maintenance to reduce service costs.

On the stand: *Phalanx 6*



SPE Chargers: Stand MP10

See *Ecobat Battery*

Stahl Crane Services: Stand MP37

See *Lifting Gear Products*

Sterling Battery: Stand MP15

See *Shield Batteries*

Straightpoint: Stand MP37 and MP21

See *Lifting Gear Products and Kito Crosby*

TAB Traction Batteries: Stand MP3 and MP10

See *Battery Hub Service and Ecobat Battery*

Talurit: Stand MP13

See *Carl Stahl Evita*

Tecnomagnete: Stand MP13

See *Carl Stahl Evita*



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Tele Radio UK: Stand MP30

Tele Radio specialises in the design and manufacture of custom radio remote control solutions for the lifting, access and mobile machinery markets. Products on display, will include TEQ Waist Transmitters, Tiger and Panther which feature simple push button controls to complex, customisable, proportional hydraulics and camera feedback systems designed for crane and hoist applications. The TEQ Waist Transmitter is available as the standard edition or purpose-built and is available as a handy compact model, or larger version with space for any additional controls and a display up to 4.3 inches. The Tiger is a SIL3 and PLE certified, robust radio control system adaptable to standard and complex lifting applications in harsh environments.

On the stand: TEQ Waist Transmitter, Tiger, Panther

Tensology: Stand MP54

Tensology is a specialist wire rope services company that can carry out expert crane rope examination in accordance with BS ISO 4309:2017 using the latest Magnetic Rope Testing (MRT) equipment. The company is also a LEAA Accredited Training Company, providing specialist wire rope related courses such as the Tensology Crane Rope Examiners course, aimed at increasing the level of competency of rope examiners. The course, provides essential theoretical knowledge and practical tips for anyone involved in the inspection or examination of wire ropes.

On the stand: Magnetic Rope Testing (MRT) equipment



TGB Group: Stand MP52

First time exhibitor TGB Group specialises in the manufacturing of slew drives and slew rings. At Vertical Days it will unveil its new PRO Series, specifically designed for aerial work platforms offering enhanced durability, performance and reliability in demanding applications.

On the stand: Slew Drive Pro Series, Motors, Slewing Rings, Hydraulic Actuator



Tiger Lifting: Stand MP13 and MP37

See Carl Stahl Evita and Lifting Gear Products

Top Service: Stand MP2

Top Service provides an invaluable industry targeted credit information and debt recovery service, aimed specifically at the construction industry.



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Torquer: Stand 302-303

Torquer will show its hands free radio remote controlled orientation device - HALO - for turning and positioning loads. It uses a tank of spinning water to provide the required torque to turn the load. Various sizes are available for sale or rent. A fully working HALO will be demonstrated at the show. Its other new product is the automatic 'Spear' connect and release hook. When dropped into a catcher tube and lifted up, the Spear's lifting studs connect without the use of magnets or electrical devices.

On the stand: HALO 2000, Spear and Catcher



TotalSource: Stand 408

See TVH

Toughlift: Stand i2

See Access Platforms Sales

Towergate Insurance: Stand MP14

The team from Towergate will be on hand to discuss its range of services and support available to navigate the complex insurance market. The company has more than 25 years' experience in the industry and is a CPA member. Pop onto the stand to discuss arranging cover and claims management.

Tracked Carriers: Stand 204

Tracked Carriers will have a range of material carriers on display, designed and manufactured in Essex, UK. Its latest tracked material carriers include direct AC drive and the latest control systems for smooth, quiet operation, whilst the all-new remote controllers display live information to the operator helping monitor speed, inclines and battery life etc from a safe distance. A wide range of accessories will also be on show.



On the stand: AC2200 Crane

Trackway Solutions: Stand 110

Trackway Solutions provides an end to end service for temporary roadways to ground protection systems, providing a survey, design and supply service to allow cranes, truck mounted lifts and other wheeled equipment to cross soft ground or reach remote lift sites.



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VERTIKAL DAYS

Triathlon Battery Solutions: Stand MP45

Making its debut at the show, Triathlon Battery Solutions - part of the Sunlight Group - specialises in innovative energy solutions including monobloc batteries, chargers, spares and service. The company will launch four new products - Quasar Gel and Quasar Flooded batteries, Triforce Gel and Flooded Deep Cycle batteries.



Triforce: Stand MP45

See Triathlon Battery Solutions

Trojan Battery Company: Stand MP12, MP40 and 408

See Dynamic Battery Services, Oasis Battery Solutions and TVH

TVH: Stand 408

Global parts and accessories supplier TVH will showcase numerous of its operations at Vertikal Days including its partnership with Sinoboom and Zoomlion, its e-shop, technical training, foam filled tyre service, Outriggerpads products and Harness ON device. Take advantage of its special offer for technical training courses and try your luck at its claw machine to win gifts.

On the stand: Harness ON, Jaltest diagnostics, GemOne telematics



Unidox: Stand MP6

See PSR International

UniMat: Stand 400

See Universal Crane Mats



Universal Crane Mats: Stand 400

East Midlands based Universal Cranes Mats will exhibit a wide range of its crane mats and pads including its UniMat modular aluminium system, steel and polymer options for both sale and rent.

US Battery: Stand MP3 and MP10

See Battery Service Hub and Ecobat Battery

Van Beest Green Pin: Stand MP37

See Lifting Gear Products

Varta: Stand MP10

See Ecobat Battery

Verope: Stand MP46

See Latch & Batchelor

Vertikal Press/Vertikal Days: Organisers office

The Vertikal Press is the provider of news and information to the lifting equipment industry. It publishes the English language Cranes & Access magazine, the leading German publication Kran & Bühne and the news service and information database www.Vertikal.net. It is also the organiser of Vertikal Days. Be sure to come and say hello to the team in its new branded gazebo.

Vertimac: Stand 208

Vertimac - a global supplier of genuine spare parts for aerial work platforms - will have a comprehensive range of joysticks compatible with all leading aerial lift brands and a full range of solid non-marking tyres for scissor lifts.

Victron Energy: Stand MP12

See Dynamic Battery Services

Volvo: Stand 412/413

See Falcon Tower Crane Services

Weinold: Stand i2

See APS

William Hackett Lifting Products: Stand MP13

See Carl Stahl Evita

Woods Power Grip: Stand i4

See GGR Group

Xenith Heights: Stand MP18

Specialist working at height products provider Xenith Heights will show its range of Aresta height PPE products including a new harness line featuring a front connection offering unparalleled comfort and security. Also a new portable folding davit arm combined with tripod, creates a dependable and efficient solution for accessing confined spaces. Also don't miss the tower crane rescue kit and the new ASC Towers.



On the stand: Aresta PPE, Davit Arm, ASC Towers

Yale: Stand MP13

See Carl Stahl Evita

Yoke Industrial: Stand MP32/33

First time exhibitor Taiwan based Yoke Industrial has been manufacturing lifting fittings for chain, wire rope and webbing slings for more than 35 years. Yoke supplies a digital product line - Supra Digital Chips - that allows users to access Certification, Safe Use Instructions and individually serialised product using a phone by reading the Blue Supra HF RFID Tag embedded into the products.



Yuasa: Stand MP10

See Ecobat Battery

Zoomlion: Stand 108/109 and 408

See AJ Access Platforms, Zoomlion and TVH

THANK YOU FOR VISITING VERTIKAL DAYS 2024

The Vertikal Days team and its exhibitors would like to thank you for supporting the show. We hope that your visit proved enjoyable, valuable, educational, stimulating and that you had the chance to meet with plenty of old friends and new contacts.

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THE EVOLUTION OF REMOTE CONTROLS

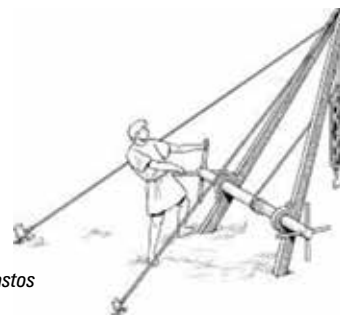
When it comes to construction equipment, few machines are as iconic and as varied as the crane. From the towering structures that dominate urban skylines, the rugged mobile machines on major infrastructure projects or the monster crawlers on wind farms to the tiny spider cranes in malls or the knuckle boom unloading a bag of gravel or pallet of bricks, cranes have been increasingly central to industrial progress.

The evolution of crane technology may well have started out with a focus on higher and stronger machines, but for some time now the focus has been shifting towards smarter, more convenient and more versatile machines, as well as being environmentally cleaner. The invention and development of remote controls has, and still is, revolutionising equipment operation, but especially for cranes where they are enhancing safety, precision, and efficiency in ways previously unimaginable.

THE EARLY DAYS

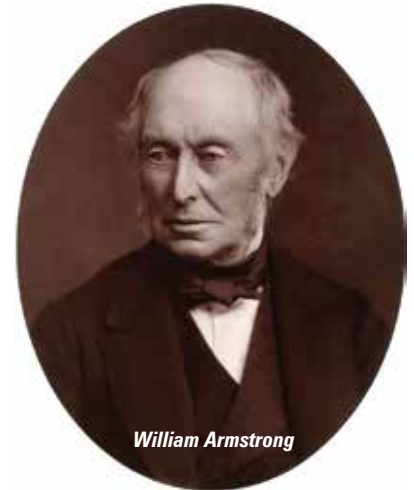
The origins of crane-like lifting machines can be traced back to Ancient Greece and 500BC. However, new evidence from architectural historian Alessandro Pierattini suggests that cranes may have been in use 150 years earlier. While there is some debate about the exact timeline of their invention, there appears to be a consensus when it comes to their Greek origins. Initially, it is believed that ramps were used to move materials upwards as with the great pyramids of Egypt, until the invention of the block and tackle, powered by human effort which allowed a single person to lift a load

Trispastos



several times their own weight. The winch followed closely behind and with the Romans, advanced practicality of the technology with the creation of the 'Trispastos,' a crane featuring a single beam, a rope, three pulleys and a simple winch.

The 'treadwheel' crane followed, and was used extensively in harbours, mines and on major construction sites across Europe. The industrial revolution brought about another significant advance with the invention of a hydraulic cylinder powered lifting mechanism by William Armstrong in 1838. He modified one of the cranes on the quayside in Newcastle, England



William Armstrong

Treadwheel crane



by adding his hydraulic lifting mechanism and it was so successful that he quickly supplied three more and gave up his day job to manufacture hydraulic cranes.

In the early days simply operating a crane was a skilled, physically demanding and dangerous job. You only need to go back 70 years or so to a time when that was still the case, with operators often working in close proximity to the large mechanical gearing, while using a combination of long levers and foot pedals to control a range of band brakes and clutches while dealing with the throttle.

REMOTE CONTROLS

Crane controls rapidly became more sophisticated and easier to operate as hydraulics took over from mechanical systems. Electric controls came into use fairly early on with industrial overhead and tower cranes using pendant suspended push button remote controllers. As with electric cars, electric controls were nothing new. In the 1930s, if not before, Coles employed electric controls on its mobile diesel electric cranes. However, the more recent arrival of electronic controls and sensors, opened up a wide range of additional development potential.

WIRELESS TECHNOLOGY

Wireless remote controls made their first appearance in the crane industry in the late 1990's - the Telemotive RC-E3600 was an early example. Manufactured in Chicago, USA like many other early remote controls it utilised radio frequency (RF) technology which is still the case with the majority of remote controls today, allowing operators to control a crane from a distance.



Telemotive RC-E3600

The benefit of controlling a crane remotely opens up all manner of opportunities. Not only can the operator locate themselves well away from a hazardous work zone, but they are free to move around the equipment and work area to gain the best possible view while manoeuvring the load or the machine with incredible precision.

The first generation of RF remote controls faced challenges such as signal interference, a limited range and security issues, which still persist to some extent today. Despite these issues, they paved the way for more advanced technologies that are now coming on stream.



A Teleradio remote control

DIGITAL TRANSFORMATION

The digital revolution has brought significant advancements in remote control technology. Modern remote controls for cranes are now equipped with sophisticated features that were unthinkable just a few decades ago helped by the miniaturisation of components, improvements in wireless communication, and the integration of sophisticated software.

RADIO FREQUENCY & INFRARED

RF controllers have evolved significantly over the years and now operate on multiple frequencies with encryption for security, while automatically switching frequencies to maintain a stable connection. Despite these advancements, they remain vulnerable to attacks, as anyone within range with the necessary knowledge can access the RF waves. In contrast, infrared (IR) controls, though less common, are used in specific applications where line of sight operation is beneficial. IR systems are highly precise but limited by obstacles blocking the signal, making them ideal in some applications such as work in or near environments such as hospitals where RF interference is a concern and meticulous accuracy is required.

BLUETOOTH AND WI-FI

The integration of Bluetooth and Wi-Fi technologies has expanded the capabilities of remote controls. Operators can now use smartphones and tablets to control the equipment with apps providing intuitive

interfaces and real time data. This means that operators can control the machine from virtually anywhere, provided they have an internet connection. The use of mobile apps also allows for the integration of additional features such as GPS tracking, load monitoring and maintenance alerts.



FEEDBACK SYSTEMS

Feedback systems are very useful in providing information that helps with safety, efficiency and precision during a lift. Modern remote controls, often include haptic feedback and real time information about the load, boom angle, and other critical parameters. These features can alert operators of an impending overload situation, or if the machine is reaching its operational limits and therefore have the opportunity to prevent an incident before it occurs.

SEMI & AUTONOMOUS OPERATIONS

The latest advancements in remote control technology involves artificial intelligence (AI) and machine learning, enabling semi-autonomous operations. The system uses real time data



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analysis and past operations to optimise performance, enhancing efficiency and safety, while also allowing the remote control and monitoring of the equipment. Several Potain tower cranes and Liebherr mobile cranes now use AI to assist in load positioning, safety monitoring, and performing lifts with minimal human intervention.

SAFETY AND EFFICIENCY

The primary driver behind remote control technology for cranes is safety. By distancing operators from heavy loads and moving parts, the risk of accidents is significantly reduced. Modern remote controls often include emergency stop functions and fail safes to halt operations if issues arise.

LOOKING AHEAD

The future of crane remote controls will be shaped by advancements in AI and robotics, leading to fully autonomous cranes that provide additional safety and efficiency. However, this progress also presents other challenges. Remote operation may eventually eliminate the need for technicians and operators on the ground or at all, fundamentally changing the industry.

AI AND MACHINE LEARNING

AI and machine learning are becoming vital in crane operations. UK based Capja uses AI to optimise crane performance, predict maintenance, and enhance safety. Its system allows owners or operators to scan a QR code on a machine to draft risk assessments, monitor fleet depreciation, predict equipment failures, and

assist with route planning, including permits, while suggesting more efficient routes based on past data. Capja co-founder Josh Wallman says: "The capabilities of AI are unlimited, and this is what we're investigating. It will utilise past risk assessments and method statements that users have submitted and then adapt and mould it to their particular situation. For example, if they are down a narrow street in London, it might have a look at similar projects they have done in similar situations and predict what sort of information is needed and what issues to consider."



Josh Wallman

ROBOTICS AND AUTOMATION



Hiab HiVision

Robotics and automation are increasingly integral to the crane industry, enabling autonomous cranes to perform repetitive tasks with precision, especially in hazardous environments like nuclear plants. This minimises employee risk and boosts efficiency. Hiab offers HiVision for remote crane control via virtual reality and HiConnect, which provides real time data on performance, safety, and maintenance, allowing companies to automate tasks and optimise operations.

SECURITY CONCERNS

While advancements are impressive, they bring challenges, particularly in security. The increasing sophistication and interconnectivity of these systems make them more vulnerable to cyberattacks, which could lead to accidents, injuries and lock outs, with significant financial losses. A 2019 Trend Micro report highlighted that RF remote controllers, commonly used in industrial applications, have become a weak link due to their long life spans, high replacement costs, and cumbersome patching processes. To enhance security, solutions such as Virtual Fencing and password protected Bluetooth and Wi-Fi systems are recommended.



Trend Micro report

RELIABILITY AND TRAINING

The reliability of remote control systems is also a critical consideration. System failures can have serious consequences, making it essential to build redundancy into these systems through backup controls and fail safes, ensuring that operations can continue safely even if a primary system fails. Regular maintenance and testing are also crucial to maintaining reliability.

As these systems become more advanced, operators must also adapt, requiring training not only in basic crane operation but in the use of sophisticated remote control technology, not only to learn how to use it, but also to gain the most benefit. ■



Skyline cockpit



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ALL SINGING ALL DANCING COMPACT BRONTO REMOTE

Bronto Skylift has introduced a new remote controller that is both lightweight being 2kg in total, and can carry out all of the functions of the main control points including:

All boom movements:

- 1st boom lift/lower
- Telescope in/out
- Turntable slew
- Cage boom up/down cage boom telescope in/out
- Cage boom telescope in/out
- Platform rotation
- Return booms automatically back to transport position

Other functions:

- Engine start/stop
- RPM for boom movements - joystick RPM
- Horn and work lights
- Emergency Stop
- Water monitor controls
- Turtle speed (training speed)
- Battery pump

In addition, a tablet type touch screen can be attached/integrated into the controller in order to provide more service as an additional control centre display on the Bronto 5+ models. Remote range of the controller with the standard antenna is around 100 metres.



The basic controller weighs 2kg and can carry out all machine functions



A tablet type screen can be integrated with the controller



RADIOMATIC RANGE CONTROL MAINTAINS SAFE DISTANCES

HBC-radiomatic has introduced Radiomatic Range Control - a new safety system that detects the operator's distance from the machine. It has two functions that can be used together - one allows the operator to remain at a safe distance from the machine - 'Proximity detection' - while the other ensures that the operator remains within view of a machine when travelling - 'Far Field' control.

As a Proximity detection solution, Range Control protects the operator from moving unintentionally into the machine's driving path or the movement radius of the machine's components.

In Far Field mode Range Control prevents the operator from driving the machine out of safe view and accidentally moving it dangerously towards other personnel or hitting obstacles in its path.

The radial range areas can set up to include a Safe zone, a Warning zone and a Stop zone. In this way, the minimum distance between the operator and the machine can be defined for the Proximity control, while for Far Field control, the maximum distance between the operator and the machine can be set with the same choice of zones.

The company says: "When operating equipment with remote controls only a safe distance is the right distance, standing too close can be just as dangerous as operating blind. We anticipate the radiomatic Range Control will prove to be a very valuable and intelligent safety assistance system for the operator and his working environment and is ideally suitable for a wide variety of equipment including cranes, aerial work platforms and many others."



NEW CONTROLLERS FROM TELERADIO

In the past two years Swedish manufacturer Teleradio has launched two new push button remote controllers for lifting equipment - the T19-2 shown at Bauma 2022 and the T29-12 unveiled last year. Both have been designed to meet Performance Level d (PLd), Category 3, equivalent to Safety Integrity Level (SIL) 2, making them suitable for use in high risk areas.

Both the T19-2 and T29-12 are lightweight, easy to handle, and according to the manufacturer, cost effective. At the same time they conform to all relevant standards and certifications.

The T19-2 has eight buttons, while the T29-12 is a 12 button version, allowing it to control up to 24 different functions, but this can become 4 x 24, through the 'layer selection' option. The additional buttons mean the T29-12 can be used for the safe control of more advanced machinery, like recovery vehicles and excavators. The buttons have three steps: Off, Half and Full. The wireless range is 500 metres, depending on the surrounding environment, while a wide range of accessories help customise it for various applications.

Both transmitters work on rechargeable lithium ion batteries and are equipped with a robust housing with a protective bumper and are water resistant according to IP65. They work on the globally accepted 2.4 GHz frequency and feature technology that minimises interference. It is also possible to create a group code, through which multiple transmitters can control a single receiver and to pair the transmitter with a high mounted receiver from the ground, making it easier to replace and pair a new transmitter without climbing to the receiver and without the need to open it. The receivers are protected to IP66 levels for dust and water.

The new controllers join the Panther line up which includes several relay crane controls and can be fitted with standard harnesses and connectors for various types of cranes and lifting equipment. In addition to the standard settings, advanced set-ups are possible through a USB connection with a personal computer. A separate programming kit is also available to set-up the Panther PLd to a user's specific needs.

Market manager KeesJan van der Elst said: "Both transmitters are easy to setup for specific applications, and are widely used to control jib cranes, overhead cranes, loader cranes, and other overhead lifting equipment."



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.

His book is an unusual combination of autobiography and history of Simon Engineering Dudley, a pioneer of the powered access industry and at one time, the world's largest manufacturer of aerial lifts.

The coffee table sized book, is highly readable and includes around 150 photographs and drawings from the very beginning of the industry. It is a 'must read' for anyone who is interested in powered access, the hydraulic equipment industry or in comparing modern day engineering challenges with those of an entirely different era.

The book is available direct from the publishers at £19.50, plus £4.50 postage and packing.

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FIRST TOWER CRANE DIPLOMA

Potain is hosting France's first tower crane erector/installer diploma programme at its training academy in Saint Pierre de Chandieu, Lyon. The 10 week programme takes place through the year, combining theoretical and practical training.

Students earn a state recognised diploma and engage in additional assembly activities with their companies as part of a work/study contract. Launched last April, the first cohort has now graduated, with a second scheduled for January.

Cédric Fourier, head of the Potain Training Centre said: "This initiative is essential for the profession and advances the professional standards of tower crane erectors. It enables certification for newcomers and offers experienced technicians access to the diploma through a Validation of Acquired Experience course."



FATAL CRUSH COSTS £95K

Two UK companies - Premier Engineering Project and M&M Mobile Crane Hire - have been fined a combined total of almost £95,000 following a fatal load crushing incident.

Russell Hartley, 48, was a self-employed engineer hired by Premier Engineering to replace machinery at a recycling facility in Bow, London. An M&M crane was lifting a Trisomat screen off the forks of a telehandler when the machinery fell forwards, fatally crushing Hartley.

The HSE fined Premier Engineering £28,000 plus costs of £9,280, and M&M, £48,000 plus costs of £9,500 having found that they failed to ensure that the work being carried out was planned or supervised.

Hartley's wife, Debbie said: "Russell was everything to us, one of the nicest guys you could ever meet. Nothing was ever too much. If it needed doing, he got it done. He was a fantastic father and husband. I sometimes feel I am just waiting for him to come home. I can't accept that he has gone as I couldn't say goodbye."



The dropped Trisomat Screen

MORE NATIONWIDE APPRENTICES

UK based Nationwide Platforms has recruited new apprentices for its three year 'land technician' course, structured as a 'block release' programme, alternating every two months between work at a Nationwide depots and a residential stay at Beacham North College in Norfolk, supplemented with participation on equipment manufacturers' inspection and service training courses.



TRACKED LIFTS TREE TRAINING WITH EVERY MACHINE

US based spider lift distributor Tracked Lifts has teamed up with Nobel Oak Safety & Training to provide training with every platform it sells into the tree sector, ensuring operators are not only safe but also compliant with the latest regulations.



WHO TRAINED THEM THEN?

Spotted by a regular reader, a man installing or removing transport platform wall ties from a plank of wood jammed into the mast and over the narrow side platform extension.

The man is using a harness and lanyard but has clipped on to the very tie brace he is installing!



9th October 2024



Plant & Hire
Aid Alliance

Present

The Friends of Ukraine

Charity Golf

DAY



Join us for a charity golf day in support of children and the elderly impacted by the ongoing conflict in Ukraine. Organised by members of the construction industry in collaboration with the Plant Hire Aid Alliance and proudly sponsored by Coinford Ltd, this event promises a day of fun and philanthropy.

Taking place at the prestigious Foxhills Club & Resort, the day will conclude with a grand auction during the post-golf dinner. We are seeking donations of auction items, prizes, and financial contributions to support this important cause.

While team slots are filling up quickly, we still urgently need additional prizes, auction items, and financial donations. All contributors will be recognised in the "Thank You" section of our event's auction and program brochure.

Don't miss this chance to make a difference—join us for a day of golf, generosity, and giving back!

Wednesday 9th October 2024

Foxhills Club & Resort

Foxhills, Stonehill Rd, Ottershaw, Surrey, KT16 0EL

English breakfast buffet
18 hole shotgun start at 10am
Halfway house tapas
Two course meal
Charity auction & raffle in aid of Ukraine

For donations or inquiries, please contact the event organiser:

Brendan Reynolds
Contact : 07831 240636
Email : brendanreynolds@hotmail.com

UPDATE TO MAINTENANCE OF ELEVATED WORK PLATFORMS LEAFLET

IPAF has updated its leaflet on the 'service, inspection and maintenance of aerial work platforms' which is now available in 10 languages.

Three key components:

1. Pre-use inspections: conducted by a competent operator, these inspections ensure the platform is safe to use before operation.
2. Scheduled servicing and maintenance: regular servicing as specified by the OEM is essential.
3. Periodic inspections: authorised service engineers or technicians carry out these inspections to examine critical components.

Download the complete leaflet at: www.ipaf.org/guidance.



JOHN BARKER, IPAF'S FIRST PRESIDENT

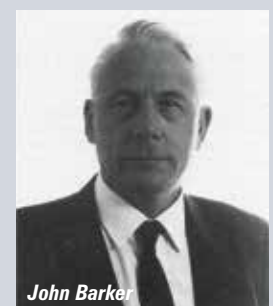
John Barker, a pioneering figure in the powered access industry and the first president of IPAF has passed away after a battle with prostate cancer. He died on July 7th at his home at the age of 88.

John began his career in the Royal Air Force before becoming managing director of Simon Dudley and Simon Access in the mid-1970s. He expanded Simon Access globally, acquiring key companies like Krause, Skywitch scissor lifts, Ladder Towers Inc., Nolan truck-mounted lifts, Telelect digger derricks and RO Holdings.

Throughout the 1980s, Barker built Simon Access into a global powerhouse, acquiring 22 companies by 1992 with combined revenues of £152 million, commanding 15 percent of the global powered access market. John became IPAF's first president upon its formation in 1983.

Peter Douglas said: "John's leadership shaped the industry federation as we know it today and he was a real pioneer for improving safety within the powered access industry. He will be deeply missed by his colleagues and the many people whose lives he touched throughout his long career."

After leaving Simon in 1994, Barker remained active in the industry, working with Janes Defence and representing Safelift in the UK. Renowned for his intelligence, wit and camaraderie, he was a beloved figure. Survived by his children, Richard and Sally, Barker will be fondly remembered for his contributions to the powered access industry.



IPAF ASIA CONFERENCE IN CHINA

IPAF hosted the Asia Conference on August 1st in Nanjing, China, with around 240 industry professionals from across Asia attending. The event began with an opening address from Hu Yuhong, deputy director general of the International Exchange and Cooperation Centre, followed by IPAF chief executive Peter Douglas.



Morning sessions included Tim Mo, IPAF China regional manager, presenting IPAF's 'Crushing Can Kill' campaign, and Romina Vanzi, IPAF head of regional development, along with Susan Xu, general manager of Sinoboom, emphasising safety and industry collaboration. Stefano Scapin of COBO discussed leveraging safety features for a competitive advantage, and Martin Wraith, IPAF Rental+ scheme manager, provided a tutorial on optimising rental businesses.


After lunch, Brian Parker, IPAF's head of safety, discussed the new EU machinery regulations. Roseline Zhang from Ducker Carlisle then compared the aerial work platform rental markets in China with other markets. A panel moderated by Karin Sun of Off-Highway Research explored challenges and opportunities in the Asian elevated work platform industry, with a focus on safety and electrification trends.

The final sessions featured Zhu Jiayu, vice president of Zhongneng United, on digitalisation's role in platform safety, and Jeff Wang, EHS director at Century 3, Shanghai, on integrating safety into construction projects. The conference concluded with dinner.

Tim Mo, IPAF's China representative said: "We warmly welcomed industry professionals to China during a pivotal time for the rapidly developing Chinese aerial work platform market. Recent safety incidents have underscored the importance of safety as the foundation for industry growth, making this conference crucial. IPAF presented the latest global accident reports, best safety practices and practical solutions based on safety training and system certification to promote the safe and effective use of work platforms in the region."

"This was the first time in five years that IPAF members, especially Chinese members, gathered in China. Attendees came from local rental companies, distributors, parts and service companies, manufacturers, government agencies and contractors, reflecting the growing focus on work platform safety and highlighting IPAF's vital role in promoting industry exchanges and representing the industry's voice in the region."





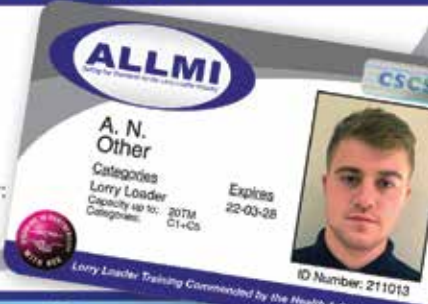

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INTERNATIONAL LIFT & HOIST

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MEMBERSHIP MEETINGS REMINDER

ALLMI will hold its annual meetings for all members of the association - manufacturers/importers, service companies, fleet owners, ancillary equipment suppliers and site operators - on the 17th of October at the Forest of Arden Hotel & Country Club in Meriden.



The meetings will facilitate important discussions and debate on a wide range of issues affecting the lorry loader industry, as well as updates concerning numerous projects and activities undertaken by ALLMI this year. Furthermore, Jamie Davies, His Majesty's principal specialist inspector (mechanical engineering) for the HSE, will make a presentation on the importance of lift planning, as well as the subject of Thorough Examinations and how reports received by the HSE are processed and dealt with.

For further information on these meetings or membership contact ALLMI.

STRONG ENROLMENT FOR CRANE SUPERVISOR TRAINING

ALLMI has seen another year of strong enrolment for its Crane Supervisor training. Training and project officer Jon Kenyon said: "The Crane Supervisor controls the lifting operation and is responsible for ensuring that it is carried out in accordance with the appointed person's safe system of work. The ALLMI course equips those looking to fulfil this role with the required technical and legislative knowledge, as well as a high level of practical skills, and it therefore also assists employers in meeting their obligations under BS 7121 Part 4."



ALLMI member and crane assisted haulage company, KRG Transport, has put a number of its personnel through the programme. The company's managing director and owner, Kevin Gooding said: "Safety and standards are of the utmost importance to KRG and so the ALLMI Crane Supervisor training was the obvious choice for us. The course content, material and delivery are excellent, and we would recommend it to others looking to train staff in this lifting team role."

Tom Wakefield, ALLMI chief executive added: "These latest figures demonstrate the standing of our Crane Supervisor course and reinforce its position as the industry's leading training programme for those carrying out this role within a lorry loader lifting team. It also reflects the recent performance of the wider ALLMI training scheme, with strong uptake across our range of courses."

For more information on training visit allmi.com/training.

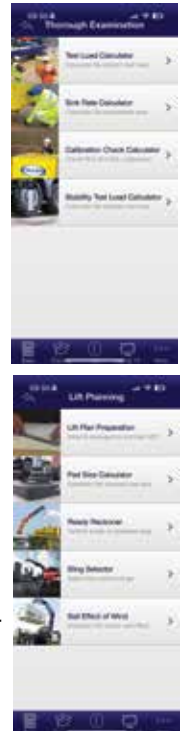
ALLMI APP REMINDER

Downloads for the ALLMI app have increased by nearly 10 percent this year compared to 2023. Key to the app's popularity is its range of calculator tools aimed at those planning lifting operations or carrying out Thorough Examinations. Lift planning tools allow the following to be calculated/established:

- Whether a lift falls into the hired and managed or contract lift category, and whether a site visit is required in advance of the operation.
- Vertical loads placed on stabiliser legs.
- Pad sizes required for a particular lifting operation.
- Sling selection when handling cabins or containers.
- The sail effect of wind on a given load.

Thorough Examiner tools facilitate calculations for overload, stability and sink rate tests, as well as RCI/RCL calibration. A further tool is currently being developed to provide assistance in determining the safety system requirements for a loader crane depending on its year of manufacturer and installation.

Visit the Apple and Google Play stores to download the app.



ALLMI WEBSITE

The number of visitors using ALLMI's digital platforms has increased significantly, with the association's website receiving more visits and user sessions during the last 12 months, further cementing its reputation as the leading source of online advice and guidance for all those involved with lorry loaders.

Tom Wakefield said: "The website contains a raft of information and resources for anyone working or associated with the industry. It includes numerous guidance documents and safety campaign material, a range of online videos providing advice on various aspects of lorry loader safe use, and detailed information concerning ALLMI's training courses. In addition there are the more functional aspects of the site such as member and training provider directories, the Verify a Card tool, and ALLMI's Lift Planning Calculator. Registered users also have access to a further layer of advice and support via the secure, password-protected areas of the site."



For details of ALLMI standards, guidance documents and training, visit: www.allmi.com



PLATFORM GÜNLERİ 2024

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OPEN MEETING AT VERTIKAL DAYS

The CPA will hold a joint Crane Interest Group (CIG)/Tower Crane Interest Group (TCIG) Open Meeting on Thursday the 12th of September at Vertikal Days. It will take place from 10:00 to 12:00 in the Cedric Ford Pavilion at Newark Showground. The meeting event agenda will cover the following subjects:



- Tower crane electrical supply issues - RCD's
- Abnormal loads/embargo/police enforcement challenges
- Tendering, management and operations of tower cranes update
- Guidance for assessing the correct rigging of mobile and crawler cranes update

To book a delegate place or for more information contact Rob Squires on email: rob@cpa.uk.net or 07976 984141.

CPA CONFERENCE 2024

The CPA has confirmed the speakers and topics for its next conference which takes place on Thursday 7th November at the Heart of England Conference and Events Centre in Meriden near Coventry. The theme of the conference - 'Shaping the Future: Insights for the Plant-hire Sector' will be co-hosted by Merryn Myatt and Peter Haddock, who will also moderate the 'Panel Debates'.



The five panel debates are:

- The Plant-hire Sector in 2024 - Where the industry sits in the wider economic and political context
- The Innovative Plant-hire Company - Insights into current and future developments and innovations in the sector
- Expanding the Skills Base - Where do we stand in the battle for skills, what progress is being made to attract new people to the industry, especially women?
- Growing your Business - The challenge of growth and succession planning
- Focus on Mental Health and Wellbeing in the construction sector

CPA chief executive Steven Mulholland will deliver a welcome speech while other speakers include: Brian Jones, Chris Cassley and Katie Kelleher of the CPA, along with Andrew Eggesden of Soletanche Bachy, Beth Doel from Reaseheath College, Carl Hassell of NOCN, Chris Harvey and David Graham of the Hire Exchange, Dani Saveker of Glas Method, Deborah Madden from the CITB, Ian McMillan of Thomas group, Jamie Charles from Oxford Economics, Jamie Morris of Gaia, Kathryn Adams of Prolectric and Steve Kerslake from Construction Sport.

Delegate tickets can be booked online at <https://www.cpa.uk.net/events/cpa-conference-2024>.

CPA members can claim a 50% discount from the £96 incl VAT ticket price by emailing enquiries@cpa.uk.net for a discount code. Contact Lisa Collins for more information on 07968 840390 or lisa@lisacollinscommunications.co.uk

ESTA UPDATES: ADBLUE SURVEY

ESTA - the European Heavy Transport and Mobile Crane Association - is conducting a survey on AdBlue related issues in mobile cranes. During a meeting with crane manufacturers in April, ESTA highlighted increasing reports from crane rental companies across Europe, indicating that nearly a third of on-road breakdowns may be linked to AdBlue malfunctions. A major concern is that AdBlue system failures, such as when the engine is too cold, can cause the crane's engine to lose power or shut down, leading to dangerous situations. This issue also affects SPMTs.

To address these concerns, ESTA is collecting information from crane owners and users via a survey. The gathered data will help inform the European Regulations Workgroup on the next steps. Crane owners and users are encouraged to participate.

The survey takes a couple minutes and can be found at <https://forms.gle/YpKssoRLZ3y4Chcd8>



NRMM EMISSION STANDARDS - LONDON REGIONS

From the 1st of January 2025, London's NRMM - Non Road Mobile Machinery - emission standards will increase to at least EU Stage IV citywide. Generators, including those used for tower cranes or hoists, must continue to meet EU Stage V standards.

The Greater London Authority requires non-compliant machinery to be replaced by this date or an exemption must be sought, explaining why replacement isn't possible. These standards apply only to construction and demolition machinery with engine power between 37kW and 560kW.

More information at: <https://www.london.gov.uk/programmes-and-strategies/environment-and-climate-change/pollution-and-air-quality/nrmm>

GUIDANCE ON MOBILE CRANE GEARBOX MAINTENANCE

ESTA has published new guidance on maintaining mobile crane winch gearboxes, aimed at improving safety and potentially lowering maintenance costs, while extending winch lifespan.

The maintenance plan includes technical analysis, such as regular oil checks, and features a special calculation tool to estimate remaining usage hours based on operation and wear. While this guidance is intended to aid crane owners, it doesn't replace national laws or regulations. ESTA is making the guidance freely available to non-members in order to support enhanced safety standards.

The calculation tool can be downloaded at <https://www.cpa.uk.net/special-interest-groups/crane-interest-group/esta>. For more information about ESTA contact Peter Brown at peter@cpa.uk.net

IN THE NEXT ISSUE OF

C&a

Place your products in front of 20,000 crane, telehandler and access platform buyers & users who will be reading the August/September issue of **Cranes & Access...**



THIS ISSUE WILL INCLUDE FEATURES ON:



TOP 30 RENTAL COMPANIES FLEET SURVEY

Our annual UK/Ireland Top 30 rental company fleet survey highlights how the leading crane, aerial lift and telehandler rental companies in the UK and Ireland have dealt with the last year in terms of fleet numbers and investment.

2024 VERTIKAL DAYS SHOW REVIEW

The biggest Vertikal Days to date will see more than 330 brands and manufacturers represented. We will publish an extended review to try and give you a flavour of the show.



SPIDER AND MINI CRAWLER CRANES

We take a look at the latest developments in the spider and mini crawler crane market which has been growing in popularity in recent years as companies realise how versatile and profitable they can be.

ACCESS EQUIPMENT FOR ARBORISTS

Cranes and access equipment plays an increasingly important role in the Arb sector. We look at the latest product introductions that make this difficult task safer and quicker as well as looking at a few applications.

SUSTAINABILITY, RENEWABLES AND RECYCLING

We take a look at Sustainability, renewables and recycling across the various sectors. Get in touch if you have something interesting.

Every issue of **C&a** is also packed with our **regular columns** and **news** plus **reader's letters**, **books**, **models**, **training**, along with the latest news from **CPA**, **ALLMI**, and **IPAF**.

Send any information, news, photographs or ideas on these subjects to editor@vertikal.net



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Dragline mode



High quality fairlead



Detailed superstructure



Slurry wall grab

LIEBHERR HS 8130.1

The Liebherr HS 8130.1 is a duty cycle crane strengthened for repetitive activities such as dragline or foundation work. This 1:50 scale model by NZG comes with a slurry wall grab, a dragline bucket and a dynamic compaction load.

The metal tracks can be turned and the frames include tiny rollers on the lower edge. Counterweight plates for the track frames are also provided. The tracks are retractable to replicate transport mode although the headroom and width of the model cannot be minimised so it is slightly compromised as a transport load.

The tilting operator's cab is very detailed and access platforms with plastic handrails surround the superstructure. Detail on the superstructure is very good, with grilles and handles contained within the panels.

At the rear, eight small counterweight blocks are provided. The self-install/assembly mechanism is provided with two lift cylinders and chains, but there appears to be a modelling error with the cylinder barrels pointing up rather than down meaning that lifting the counterweight cannot be posed.

The boom sections are joined by tiny brass nuts

and bolts and the boom pendants consist of metal wire with crimped loops on each end. A dragline fairlead is provided and this is a very nicely engineered all-metal part. At the boom nose a variety of metal sheaves are fixed according to the rigged configuration.

There are three winches with positive brakes. One controls the boom luffing and the other two are used for lifting or the fairlead, and they are accessed by using keys through opening doors on the side of the model.

For dragline use an excellent bucket works well, and a dynamic compaction weight is also included. The slurry wall grab is all in metal and it is of a very high quality with moving parts.

There is also an additional accessory set available with a Liebherr LSC 8-18 Slurry Wall Cutter and associated equipment and when added results in a very complex model.

In summary, this is a high quality model of a duty cycle machine which allows different and interesting configurations to be posed. Only the lack of a suitable hook block prevents it from being posed as a lift crane. It costs €398 from the Liebherr Shop and the add-on LSC 8-18 kit costs €224.



Rigged with the optional cutter kit

CRANES ETC MODEL RATING

Packaging (max 10)	8
Detail (max 30)	26
Features (max 20)	16
Quality (max 25)	23
Price (max 15)	9
Overall (max 100)	82%

To see the full review, including a full unpacking and set up video, visit www.cranesetc.co.uk



FACE TO FACE AT

Vertikal days

There's nothing to compare with meeting face to face, which is why Vertikal Days attracts more than 2,500 lift related professionals every year. With everything in one relaxed place, it really is a great way to make the most of your time.

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- ▶ Visit IPAF and CPA to find out the latest on industry standards, safety initiatives, technical issues and training
- ▶ Organise a lunch meeting in the Catering Pavilion with colleagues and suppliers

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NEW 2024 venue of
Newark Showground
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and **Thursday 12th**
September.

Entry is **free** of charge for
industry professionals.

To register go to <https://vertikaldays.net/for-visitor/visitor-registration>

READERS LETTERS

Dear Sir

Following Mark Darwin's comment in the current issue of your magazine, I would like to add my comments, after spending a lifetime in the construction industry.

When I started working in the Scaffolding Industry 50 years ago, safety standards were nothing like they are now. No TBT's, no safety harness or other fall prevention etc. Your safety at work was entirely down to yourself. Slowly standards improved and this saved many lives due to Training, Inspection etc. Lately though I fear things are taking a backwards step as indicated in the increase in fatalities arising from falls from height.

I would like to describe my experiences that brings me to the above conclusion. I made progress over several years to go from being a scaffolder's labourer (1969) to advanced scaffolder (1976) to Foreman scaffolder in control of eight 3 man gangs running scaffold operations on multi million pound contracts. I started my own small scaffolding firm which operated for numerous years (Never came across HSE once in 18 years). 25 years ago I decided to change tack, I went back to Education and passed NEBOSH exams and the basic and advanced scaffolding inspection certificate (One week each at Safety & Access Ltd). I ran a successful H&S Company for more than 28 years employing my son who is Grad IOSH. 10 years ago, the HSE in their wisdom decided to accept scaffolders inspection of their own work (Fox looking after the chickens?) despite them only being required to inspect one scaffold as part of their CPD training.

Needless to say, many, many companies then dispensed with the cost of hiring external inspection services. Such has been the drop in work that the company has now had to cease trading. I have now retired, and my son has had to change career.

Kind regards

Tom Helsby (Retired)

Tech IOSH

Albany Safety Services Ltd

Dear Sir,

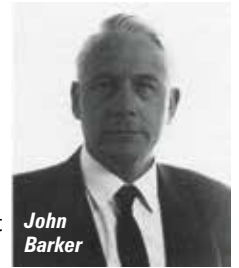
I felt that I must place on record my regret on hearing that John Barker had passed away last week. I first met John when he was appointed MD of Simon Engineering, Dudley many years ago and my first thoughts then were that he might be the wrong man for the job.

My concern was soon dispelled however, and we developed an excellent friendly relationship which lasted for many years until his recent sad death. John was a successful champion of his industry and lived to see Aerial Work Platforms adopted by industry worldwide in the enormous numbers that now proliferate in so many roles today.

I feel sure that he will have died happy in the knowledge that his personal contribution to a very successful and much needed industry has been of great value and will have contributed seriously to the personal safety of huge numbers of people in so many industries which use machines for lifting people.

Paul Adorian

Note: we published the tribute to John Barker in last months issue of Cranes & Access, July/ August



John Barker

THANK YOU

Dear Leigh

Thank you for publishing the report and comment on the 2019 fatal incident in Great Yarmouth Leigh, as my experience matches yours.

That is Silence is enforced by directors and managers on pain of dismissal for anyone who speaks out.

The effect of this is that safety is not managed correctly, with little or no attempt to mitigate Workplace Hazards. Relying instead on "we have always done it that way."

Keep up the good work.

Kind Regards

Mike Ponsonby

The incident at an onshore facility in Great Yarmouth on the 17th of October 2019 resulted in the death of Stephen Picken, 62, while Mark Kumar suffered life changing injuries. The two were working as 'Top Men' for Veolia Environmental Services (UK), dismantling a North Sea gas rig. See: page 9 or it can be seen at <https://vertikal.net/en/news/story/44310/3-million-fine-for-boom-lift-fatality>.

The comment Mr Ponsonby refers to is as follows:



Vertikal Comment

One of the many sad things about this announcement is that valuable lessons that can be learnt from this incident are only being communicated five years after it occurred. A month after the original incident occurred, we contacted the yard to confirm what we had learnt unofficially, But everyone we approached at the company refused to speak to us or even respond. If I recall correctly none of the key individuals would not even accord us with the dignity of a response. Fortunately, we were provided with a volume of unofficial information and photographs from the site and were able to report on the incident - once we had found out about it. But not sufficiently for all the lessons to be picked up.

In comparison look to the fatal Swedish hoist incident last December where there was a full and comprehensive report, complete with photographs, drawings with every detail of exactly what happened. With this incident all we really have is that it was not planned properly, the company has accepted the blame and been fined £3 million! It is not good enough.



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Dear Leigh,

I have read the comment in the latest issue of *Cranes & Access* regarding possible European tariffs on aerial work platforms with interest, but think it might be missing an important aspect. Of course, free world trade is desirable. Competition is important, both in terms of technical progress and in terms of reasonable prices for customers.

However, when assessing the EU's measures against Chinese manufacturers, it is important to consider the subsidies granted to local manufacturers. This distorts competition and leads to unfair trade. It is no secret that China's political objectives are linked to this.

Name withheld

We did respond, as we do to all letters, and do believe that this subject is a good one to be discussed. It should also be pointed out that the investigation did switch half way through to look at possible unfair subsidies to some manufacturers. Several respondents pointed out that the original investigation was looking at the wrong companies.

It also needs to be said that there are very few if any countries which do not provide subsidies to what they consider critical industries - Steel production has been a classic one over the years, along with cars and now batteries. Airbus would never have got off the ground and faced up to Boeing if it had not been for massive subsidies and loans. This is a subject we are keen to cover in more depth and it has many aspects to it. Contributions and opinions are most welcome - attributed or confidential.

JOHN HOFFPAUR 1969 - 2024

Crane operator, John Hoffpaur, 55, from Louisiana died following an incident on August 5th while carrying out a lift at a wind farm construction site north of Casper, Wyoming. He was working for Blattner Energy at the Cedar Springs wind energy project, part of a 200 turbine, 532 megawatt wind farm near Douglas, Wyoming when he lost his life after a large Rough Terrain crane he was driving ran out of control and ended up in a body of water.

Hoffpaur started out as a paramedic before deciding to train as a crane operator, then choosing to work in the wind power sector, travelling all the country. He leaves behind four children and five grandchildren.



John Hoffpaur

BRIAN WILLIAM BLACK 1948 - 2024

We received the sad but belated news in early August, that access industry veteran Brian Black had died. He passed away peacefully on 2nd April at the age of 75.

Born in Seattle, Washington, he studied in both the United States and Germany with spells in South America and Asia. He returned to the US in 1965 and joined the army gaining Airborne/Ranger/Pathfinder qualifications, while seeing service in Vietnam, and becoming a member of the rifle team at Fort Belvoir, Virginia.

He then began a 40 year career in the international construction equipment business, working mostly in international sales and major account roles for Caterpillar, Snorkel where his access career started, Grove Manlift, JLG, Genie, Terex Construction, Teupen and finally Skyjack where he was appointed vice president of sales in 2012, retiring in 2014.

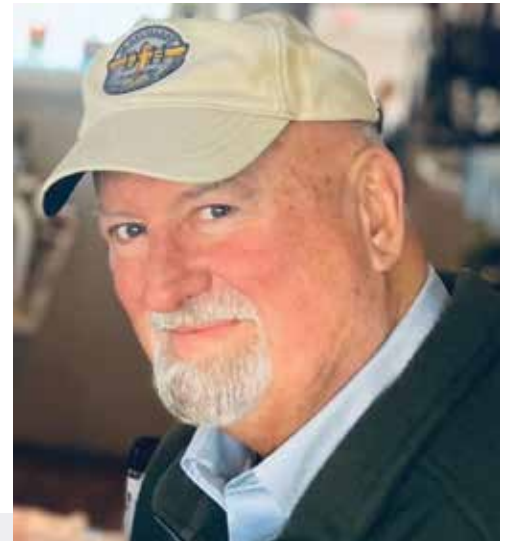
In the years since then he has worked with church outreach programmes building schools, clinics and orphanages in Mexico and Guatemala. He was also involved in a Prison Ministry programme (Kairos) to mentor incarcerated men in Spain and Portugal as they prepared to transition back into society.

He is survived by Jody, his wife of 47 years, two daughters Stacey and Allison and two grandchildren. His funeral was held on June 7th at the Florida National Cemetery in Bushnell, Florida.

Brian came across as an intelligent, gentle, likeable man of the world, multilingual and extremely well-travelled. He was interested in different cultures and people, and never seemed to have a bad word to say about anyone. He was unashamedly devout in his religious beliefs, but never tried to foist them onto others or even raise the matter, unless it came up in conversation and context. The world has lost a gentle giant.



Brian Black



Some of the online comments

"He was one of the nicest people I've ever met in the access industry." Brun Batista

"Very sad news, I'd met Brian many times over the years and thoroughly enjoyed his company. Although never having worked with Brian, I do know his colleagues held him in the very highest regard. My condolences to them and his family." Paul Richards.

"This is very sad news. Like Kevin, I also worked with Brian at two companies, he was a true gent and was very well liked by all who worked with him and his customers around the world. He had a passion for the industry and was a very helpful and caring man, he will be a great miss from our industry. Condolences to the family, RIP Brian."

"Brian was a true citizen of the world. He was able to converse in several languages and travelled to more than 100 countries. He loved studying history, geography and traditions of the places he visited."

"Brian was a strong man of faith, the eternal optimist, a true gentleman and a man of integrity and compassion. He will be greatly missed by all who loved him, befriended him and were mentored by him."

"Very sad to hear the passing of Brian, I worked with him at a couple of companies, a lovely man, sincerest condolences to his family, RIP Brian." Kevin Fox.

"RIP Brian, my travels with you through Asia back in the day, where everyone knew you no matter where we went and the respect you received was a real gift to see in person. The world will miss you." Dion Calder.

"A true gentleman, very sad to hear the news of Brian's passing - RIP." Ian James.

"Super sad news. Brian was a very nice man. RIP". Pete D'Alessandro

LEE SADLER 1962 - 2024

In mid-August we learnt that Lee Sadler, general manager of UK based Sparrow Crane Hire had died. He passed away peacefully on Sunday August 18th at the Dorothy House hospice in Winsley, Wiltshire, surrounded by his family, following a lengthy battle with cancer. He was 62.

Lee left home in 1977, at the age of 16, to join the Army and, following his initial training, was posted to the Marchwood military port in Southampton. Over the next few years, he worked on port operations and received training on operating both mobile and ship cranes.

In 1982, he saw service in the Falklands and, towards the end of his time in the Army, he was posted to Norway. After seven years of serving his country, he left the Army and returned to civilian life, taking on various driving jobs until he spotted an advert looking for crane operators at Gordon Sparrow Crane Hire.

Speaking just a few weeks ago, he recalled: "I rang the number and who should answer the phone but Gordon Sparrow himself. Gordon arranged an interview with Barry Mildren and Geoff Hillier at a pub in nearby Hanham. This was the start of my career in the crane hire industry."

Lee remained in the crane industry for the rest of his life, moving to Capital Crane Hire and then Hewden Stuart, where he was soon promoted to depot manager.

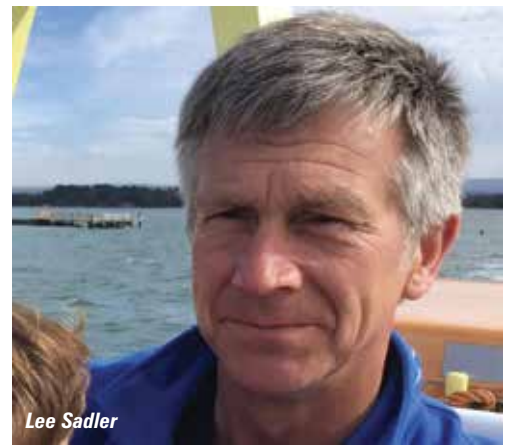
Speaking of his next move, having decided to leave Hewden, he said: "I contacted Tim Sparrow to ask if there were any vacancies, and joined the business in August 1998, starting out by going to look at jobs then go back to the yard get a crane and go do the jobs. The business grew at a steady pace with larger cranes added to the fleet. We also introduced pedestrian operated tower cranes, spider cranes and mini crawlers and developed the training department and installation services. During that time, I worked my way up to become general manager."

During his second spell working for the Sparrow crane business, he met and married Gordon Sparrow's daughter Emma. The couple settled down in Keynsham, not far from the Sparrow crane hire yard and they had a son together - Jack.

Unassuming, but quietly competent, Lee Sadler was incredibly well liked within the UK crane rental industry. He was always ready to crack on with the job, without making a fuss. He loved his motorbikes, family life and his work. He insisted on going into the office and working normally every day even when it became a physical struggle for him. He only stopped when it became impossible to work over the past month or so.

Lee Sadler leaves behind his wife Emma, children Jack and Lauren, as well as step daughter Chloe, along with both his parents, a brother and a sister.

The funeral will be held at 11:00 on Tuesday September 3rd at St John's church Keynsham, BS31 2BL. Donations to Dorothy House Hospice www.dorothyhouse.org.uk



Lee Sadler



At Vertical Days in discussions with Peter Issitt of Crowland Cranes (R)

**Online comments**

"Tragic really, worked with him on and off for many years, very competent and this, coupled with him being a thoroughly nice person makes his passing a real blow. Will pay my respects to him on the 3rd of September. Also, a blow for the Sparrow family, with his wife, Emma being the daughter of Sheila Sparrow and the late Gordon Sparrow, both being part of the Sparrow dynasty along with the late Alf and George. RIP Lee." Jim Hagen

"Totally gutted. Always had a good chat with Lee at various crane events, nice guy RIP." Timno

"RIP Lee, your dedication and commitment to the business was second to none. You will be greatly missed by all who knew you." Steve Stennett

"I have passed this sad news onto 17 Port & Maritime Regt, the passing of 'Shuggy' has been met with shock & sadness by those that knew him." Dap.

"So very sorry to hear this, my thoughts go out to Lee's family."

"Lee was a very nice person to have known. It's really sad that another has been taken to early. He did a great job and so unassuming."

I heard the sad news about Lee recently. A terrible blow for his family and I send my deepest sympathy to all. He was far too young, pleasant, and was dealt a bum hand of cards in the game of life. Yes! I can remember interviewing Lee when he was applying for a crane driving job with the newly created company Gordon Sparrow Crane Hire Ltd. He told me that he had been driving cranes in the army. "What are you doing now" I asked. "I am a motorcycle despatch rider in London" he replied. Being a life long biker I asked Lee what bike he was riding. "A Honda CBR 900" he replied. "If you can ride a CBR 900 around London despatch riding, you can certainly drive a 15 Ton Jones around Bristol" I replied. I am proud that I had a small part in Lee's successful career in the Crane Hire Industry. No more pain now Lee, ride with the wind!

RIP

Barry Mildren

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info@thehireexchange.co.uk.**



The Hire Exchange

The specialist advisory for selling hire businesses

TREVOR CHURCHILL 1939 - 2024

Veteran UK based crane operator Trevor Churchill passed away in mid-July at the age of 84, he would have celebrated his 85th birthday in September.

Churchill started off as a stone mason and entered the crane and lifting industry in 1967 when a friend of his persuaded join him the recently established crane rental business of Richards & Wallington plant hire as a crane driver at its depot in Wharf Road Tysley, on the south east side of Birmingham.



Trevor Churchill

In those early days operators had to be prepared to drive any crane in the fleet, and he would have started off with something like a Hydrocon or small Coles lattice truck crane. He soon progressed to one of the flagship cranes, including the 100 tonne Coles Centurion lattice truck crane, one of the world's largest mobile cranes when was launched in 1963. He also operated one of the first P&H 125 lattice truck cranes to arrive in the UK.

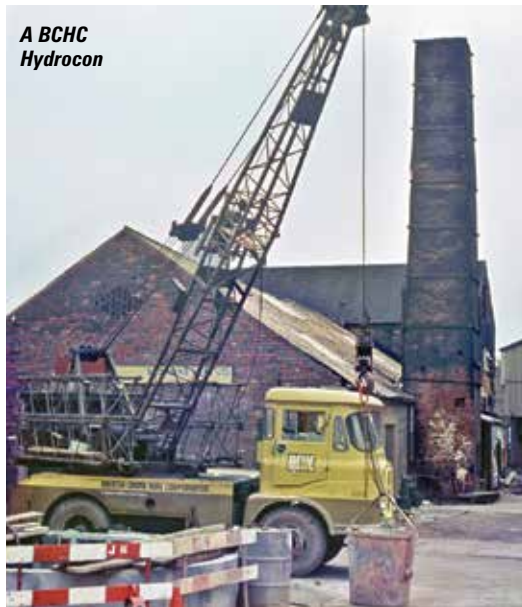
He stayed with the company through a period of acquisitions and its rebranding as BCHC - British Crane Hire Corporation. He also had the 'opportunity' to drive one of the very few Clark Cosmos 755 telescopic truck cranes ever built. The Cosmos cranes featured a low slung, racing car inspired chassis cab and joystick crane controls in the superstructure. Sadly, many of the 755's were apparently built incorrectly, with the slew ring welded off centre and as a result were prone to overturning. It happened to Trevor while lifting a boat out of the river Mersey, he ended up in the river, sustaining some very serious injuries, not to mention the intestinal challenges of taking in large amounts of filthy river water.

After some time in hospital, he 'got back on the horse' and went back to work. His son Glenn followed in his footsteps, joining him in 1975 as an apprentice mechanic at BCHC. And in fact, the two worked together for a while on a 140 tonne Demag, with Glenn helping his father out with the heavy rigging as he struggled on account of his injuries.

When BCHC closed down in the early 1980s Trevor Churchill became a truck/ heavy haulage driver before joining Baldwins for a short while and then Sparrows, followed by a couple of years as crane operator on the offshore oil rigs.

Back on dry land he was persuaded to join Interlift, part of the Al Jaber group. When it pulled out of the UK he moved to Ainscough Crane Hire and along the way operated a 300 tonne Liebherr and a 500 tonne Demag - most of his life was spent as a heavy crane operator. Somewhere along the way he was badly injured a second time while changing a tyre on a big Gottwald. Eventually his injuries got the better of him and he was obliged to retire early, going on to nurse his second wife through six years of dementia until she passed away. He dedicated his final decade to improving his property and enjoying the odd game of golf.

In the words of his son Glenn: "My dad was a member of the old guard of experienced operators that worked by the seat of their pants in machines, that by today's standards were prehistoric, to say the least but, which pioneered today's technology. I was only a child when he started out in the lifting industry, but I remember fondly my summer holidays travelling around the country with him in the 'suicide cab' of old Coles strut jib cranes to work on motorway construction



A BHC Hydrocon



A couple of Coles Centurions at work



A P&H 125



A Cosmos 755

projects countrywide. My father was a proud man and 'did not suffer fools lightly' he was dignified to his end and will be missed by many of us."

He leaves behind his first wife Brenda and sons Glenn and Mark.

One of the comments added online:

"Sad news. It was a hard industry then. Most were lattice cranes. I started for Sparrows in 73. Just retired from the industry last year at 71 years old."

2024

Platformers' Days 2024
September 6-7, 2024
German Access and lifting exhibition
Karlsruhe, Germany
Tel: +49 721 3720 5096
<https://www.platformers-days.de/>



Vertikal Days 2024
September 11-12, 2024
Newark showground, Nottingham,
UK UK/Ireland Crane, access and
telehandler event.
Tel: +44 (0) 8448 155900
www.vertikaldays.net



IAA Transportation
September 17-22, 2024
Leading trade fair for commercial vehicles,
bodies and transport units
Hannover, Germany
Tel: +49 (0)30 897842-0
www.iaa-transportation.com



Platform Gunleri
September 19-20, 2024
Annual exhibition organised by Platformder
- the Turkish aerial work platform
association in Istanbul Istanbul, Turkey
Tel: +90 216 466 87 22
Website: www.platformgunleri.org/
E-Mail: platformder@platformder.org.tr



JDL Expo
September 25-27, 2024
French cranes and access
exhibition/event Beauce, France
Tel: +33 (0)1 45 63 68 22
<https://jdlexpo.com/>



CICA National Conference 2024
Date to be confirmed 2024
The annual conference of the
Crane Industry Council of Australia
Perth - Western, Australia
Tel: +61 03 8320 0411
www.conference.cica.com.au



The Utility Expo
October 7-9, 2024
Previously The International Construction
& Utility Equipment Exposition /Demo Expo
- is the US utility industry's largest show
Louisville, Kentucky, USA
Tel: +1 414-274-0644
www.theutilityexpo.com



European Rental Week 2024
October 14-20, 2024
European Rental Week is an annual event
dedicated to the promotion of rental across
Europe
Tel: +32 2 761 16 04
era@erarental.org
www.europeanrentalweek.eu

**Crane Safety 2024**

October 15 2024
Crane safety conference organised by the
Institution of Mechanical Engineers and
supported by the Vertikal Press London, UK
Tel: +44 (0)207 973 1251
www.eventportal.imeche.org/event/sessions?id=Crane_Safety_2024



Liftex 2024
October 16-17, 2024
Annual conference and exhibition of
LEEA the Lifting Equipment Engineers
Association London, UK
Tel: +44 (0) 203 488 2865
www.liftex.org/liftex-london-2024



ALLMI Annual General Meeting
October 17, 2024
Loader crane association AGM with
seminar and networking opportunities
Forest of Arden Hotel & Country Club in
Meriden - Coventry, UK
www.allmi.com/



Glasstec
October 22-25, 2024
Exhibition for glass, windows and glass
handling Düsseldorf, Deutschland
Tel: +49 211 456001
www.glasstec.de



CPA Conference 2024
November 07, 2024 'Shaping the Future:
Insights for the Plant-hire Sector'
Fillongley, Coventry, UK
Tel: +442077963366
www.cpa.uk.net/events
E-Mail: enquiries@cpa.uk.net



Bauma China 2024
November 26-29, 2024
bauma in Shanghai Shanghai, China
Tel: +49(0)89 9 4920251
Fax: +49 (0)89 9 4920259
www.bauma-china.com/



Bauma Conexpo India
December 11-14, 2024
Preliminary dates for the bauma/Conexpo
exhibition in India Noida, Delhi, India
Tel: +49 89 949-20255
www.bcindia.com/en/



2025

Baumag
January 26-29, 2023 Swiss construction
equipment show Lucerne, Switzerland
Tel: +41 56 204 20 20
www.baumaschinen-messe.ch/htm/home.htm



Bauma 2025
January 23-26, 2025
World's largest construction equipment
show Munich, Germany
Tel: +49 (0)89 51070
www.bauma.de/index-2.html

**The ARA Show 2025**

January 30- February 1, 2025
The American Rental Association's annual
trade show and convention Las Vegas USA
Tel: +1 800 334 2177
<http://www.arashow.org/>



Executive Hire Show
February 12-13, 2025 Coventry
Tel: +44 (0)207 973 4630
www.executivehireshow.co.uk/

**The IPAF Summit and awards**

March
Annual Summit and IAPAs awards
ceremony of the International
Powered Access Federation
Dublin, Ireland
Tel: +44(0)15395 66700
www.ipaf.org



Build Tech Asia
March 26-28, 2024
Asian exhibition for the building
and construction market Singapore
Tel: +65 6319 4020
www.buildtechasia.com.sg



Hanover Messe
March 31- April 4, 2025
World's largest industrial
exhibition Hanover, Germany
Tel: +49 511 89-1
www.hannovermesse.de

**SC&RA Annual Conference**

April 21-25, 2025
Annual Conference of the US cranes and
heavy transport association including the
Jobs of the Year awards, Arizona Biltmore
Hotel, Phoenix, Arizona, USA
Tel: +1 (703) 698-0291
<https://www.scranet.org/SCRA/Content/events/Annual-Conference.aspx>



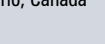
Hire24
Date and location to be confirmed
The annual convention and exhibition of the
Hire and Rental Association of Australia and
the Elevating Work Platform Association
Australia
Tel: +61 (0)2 9998 2255
www.hire21.com.au

**Innovationstage der Höhenzugangstechnik**

September 12-13, 2025
Innovation Days, informal event for
innovative access equipment, mini cranes
and telehandlers Hohenroda, Hessen Hotel
Park, Germany
www.bornrolift.de/innovationstag

**Crane Rental Association of Canada Annual Conference**

Date to be advised The annual Canadian
crane conference Windsor, Ontario, Canada
Tel: +1 780.790.2722
www.crac-aclg.ca/
info@crac-canada.com

**GIS 2025**

Date to be confirmed, 2025
Italian crane, access and heavy transport
exhibition Piacenza, Italy
Tel: +39 010/5704948
www.gisexpo.it



2026

Swissbau
January 20-23, 2026
Swiss construction exhibition
Basel, Switzerland
Tel: +41 58 200 20 20
www.swissbau.ch



The ARA Show 2026
February - Dates to be confirmed
The American Rental Association's
annual conference and exhibition
Orlando, Florida, USA
Tel: +1 800 334 2177
www.arashow.org

**Conexpo-Con/Agg 2026**

March 3-7, 2026
The leading US construction show
Las Vegas, Nevada, USA
Tel: +1 414-298-4133
www.conexpoconagg.com

**Samoter**

May 6-9, 2026
International earthmoving and building
equipment show Verona, Italy
Tel: +39 045 8298111
www.samoter.it/it

**SC&RA Annual Conference**

April 20-24, 2026
Annual Conference of the US cranes and
heavy transport association including the
Jobs of the Year awards
Omni Amelia Island, Amelia
Island, Florida, USA
Tel: +1 (703) 698-0291
Website: <https://www.scranet.org/SCRA/Events/>

**Apex 2026**

June 2026
International powered access
trade show Maastricht,
The Netherlands
Tel: +31 (0)547 271 566
www.apexshow.com

**Smopyc**

November - Dates to be confirmed
Spanish construction equipment
exhibition Zaragoza, Spain
Tel: +34 976 764 700
www.feriazaragoza.com/smopyc



2027

Mawev 2027

April, 2027 Austrian construction
Exhibition St. Pölten, Austria
Tel: +43 316 8088 216
www.mcg.at/events/mawevshow



Visit: www.Vertikal.net/en/events for a full listing of events with direct links to the organisers.

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ndavies@skyjackeurope.co.uk

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15 October 2024
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- Maintenance and integrity
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- New and emerging technologies
- Changes in legal/health and safety landscape and their engineering consequences
- Updates from the industry regulator HSE
- New and emerging technologies like condition monitoring
- Case studies and lessons learned from offshore and large infrastructure projects, as well as urban challenges

CONFIRMED SPEAKERS INCLUDE:

- Jamie Davies, Principal Inspector, HSE
- Stephen Bradby, Technical and Engineering Leader, Select Plant Hire
- Craig Hook, Head of Lifting, Sir Robert McAlpine
- David Hall, Lifting Manager, Align JV
- Per Fenger, Head of Offshore Lifting, Liftra
- Tim Ryan, COO, Metswift
- Yusuf Warsama, Chartered Mechanical Engineer & Technical Sales Manager, Mammoet
- Oliver Linton, Engineer, Mammoet

WHO SHOULD ATTEND:

All Heads, Directors, Managers and Engineers who are involved in the following areas are strongly recommended to join this online seminar, including:

- Lifting Operations
- Project Management and planning
- Site Management
- Equipment assesment and purchasing
- Safety, Risk and compliance
- Maintenance, condition monitoring
- Accident and investigations

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https://eventsportal.imeche.org/event/sessions?id=Crane_Safety_2024

www.vertikal.net

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