

# cranes & access

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July 2018 Vol.20 issue 5



**Product  
guide**

**Pick & carry  
cranes**

**Low level  
access and  
mast booms**

...New 35m Bronto.....2,000th Magni telehandler.....Two new Liebherr cranes...

NEW DEDICATED  
FACTORY & TRAINING  
CENTRE

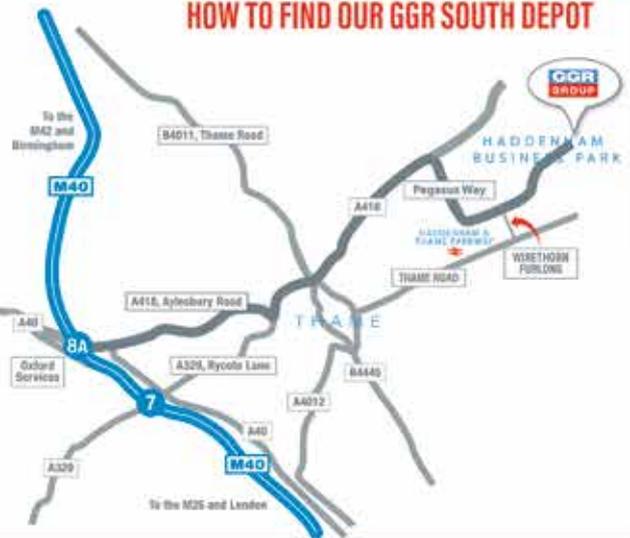
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GROUP



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## On the cover:

A second generation 4.2 metre HLS Hugo - manufactured in Leeds, UK - being used in an industrial bakery for inspection, maintenance and cleaning.



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Last month Liebherr held its tri-annual Customer Days at its mobile crane facility in Ehingen, Germany. We bring you a few of the highlights, including two new crane launches.

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Italian manufacturer CMC - celebrating its 20th anniversary this year - is unusual among the many Italian spider and truck mounted lift manufacturers in that it is based in the south

of the country in Bari. Mark Darwin visited the company to find out more.



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**SUBSCRIPTIONS:** Cranes & Access is published nine times a year and is available on payment of an annual subscription of £40.00. If you wish to subscribe, please send a crossed cheque made payable to The Vertikal Press Ltd to: Subscriptions, The Vertikal Press, PO Box 6998, Brackley, Northants NN13 5WY. Address changes should also be sent to this address. Please include the address label from a recent issue with all correspondence and allow 3 months for changes to be effective.

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Kran & Bühne: The Vertikal Press also publishes a German magazine which deals with the same issues as Cranes & Access, but is written for German users and buyers. Details available on request.

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Two new Liebherr cranes, Kobelco restructures in China, Potain splits tower crane ops, New 25m CTE, First non-American big Grove RT, SC&RA responds to new crane rule clarification, Comansa re-brands, New 35 metre Bronto, Haulotte sells Italian rental business, 2,000th Magni 360 degree telehandler, 100th Grove GMK4100L-1, Ruthmann opens US office, Riwal builds 135ft battery electric boom lift, Geda & Potain unveil internal operator hoist, Aichi to distribute Socage and financials round-up.



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In every industrial installation contract, lifting the component into its final position is just part of the total process. We take a look at various types of pick & carry cranes that are the right for a variety of jobs.



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As most of us are thinking of summer vacations, many manufacturing companies will be gearing up to carry out major maintenance, repairs/replacement, cleaning or general production layout changes. We review some of the latest access equipment - particularly low level access and mast booms - suited to this type of work.



## Dealer guide 37

The C&A annual product source and dealer guide for all the crane, access, telehandler and ancillary equipment currently manufactured, along with the contact details of the distributors for the UK and Ireland.



## In the next C&A

The next issue of Cranes & Access scheduled for mid-September will feature the C&A annual UK and Ireland Top 30 rental company guide, Spider/mini cranes and Electric & hybrid boom lifts. If you have any contributions or suggestions or are interested in advertising in this issue, please contact our editorial or sales teams.

# cranes & access

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## Nowhere to hide...

It started in the 1990s with mobile phones but was taken to another level with telematics and now even more so with its integration with rental software. We are increasingly unable to escape 'Big Brother' no matter what the time of day or where you are in the world. Everyone is traceable.

Basic tracking systems have been around for quite some time, with equipment or vehicle owners and manufacturers initially focused on locating missing equipment. As vehicle electronics became more sophisticated, increasing the volume of collectable data as communication systems improved, the challenge has shifted to how to manage and use it effectively.

Rapid advances in technology is making it more cost effective and practical for manufacturers and owners to install telematic systems on even the smallest equipment. This ability to monitor the location, performance and profitability of each and every machine affords owners with enormous opportunities to provide a better, more competent customer service. Meanwhile manufacturers gain invaluable information that can help improve product designs and reliability while highlighting abuse - especially in the event of an incident.

For example, safety can be improved by recording machine handovers and pre-use checks, while unauthorised equipment operation can be combatted by replacing keys with smart cards, key pads or mobile apps, even restricting operation to operators with a recognised or relevant competency card such as IPAF's smart PAL card.

Delivery status can be tracked live by the end user and rental companies can respond quicker and more effectively to breakdowns, arriving on site with the correct parts having already diagnosed the problem and procured the right tools and knowledge to fix it. Even when a rental is over the machine can be locked preventing further use, while the driver collecting it can see its exact location, avoiding wasted time searching for it. It can even help with credit control by verifying or 'scotching' exaggerated claims of downtime and disable further use until overdue invoices are paid.

However, the 'all seeing' nature of modern telematics is going to change the dynamics of employee/ employer and customer/supplier relationships. In fact it is already beginning to happen.

There is 'no hiding' from an incident resulting from machine misuse or abuse. Cranes are already sending live warnings to manufacturers and fleet managers when they are overloaded or operated in excessive wind speeds. Delivery routes are pre-programmed into truck sat nav systems and drivers are measured for fuel efficiency, safe driving technique and vehicle care, while any attempt by a field based employee to 'skive off' work for an hour or two is witnessed and recorded and salesmen can be tracked and results analysed.

Although these developments are good for the industry overall, attitudes will need to adapt to a much more open and honest method of working, leaving nowhere for the industry's cheats and shady characters to hide.

Mark Darwin

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

## Vertikal Press

MEMBERS OF:



ISSN: 1467-0852

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# Liebherr unveils two new cranes

Liebherr launched two new cranes - the 230 tonne, long boomed LTM 1230-5.1 All Terrain and the 800 tonne LR 1800-1.0 lattice crawler crane - at its Customer Days event in Germany.

## LTM 1230-5.1

The new five axle LTM 1230-5.1 boasts a 75 metre main boom with average capacities 20 percent better than its 200 tonner. The VarioBallast system adjusts counterweight

The new 230t Liebherr LTM 1230-5.1



tailswing from 4.8 to 5.7 metres, while various jib configurations are available for a maximum hook height of 111 metres. The crane uses Liebherr's single engine concept with a six cylinder chassis mounted engine driving a 12 speed ZF Traxon transmission. Features include Variobase, EcoMode and EcoDrive to maximise fuel efficiency while reducing noise and emissions and the 'Hill Holder' feature to assist with hill starts. The crane has an asymmetric outrigger base with a front spread of 7.4 metres and a rear spread of 8.1 metres to provide additional capacity over the rear quadrant.

## LR 1800-1.0

Liebherr says that the main features of the new LR 1800-1.0 crawler crane are its load chart and efficient transport as well as its luffing jib and derrick system. The crane has a standard main boom of 84 metres and an 84 metre luffing jib but can also be configured with a main boom of up to 102 metres, while the luffing jib can also be extended to 102 metres. Liebherr claims the new LR 1800-1.0 is the most powerful crawler crane on the market with a three metre wide transport width.



Liebherr's new 800t LR 1800-1.0

See Liebherr Customer Days on page 39 for more information on both cranes.

# Potain splits tower crane operations

Potain is splitting its European Self-erecting and Top slewing operations. The move covers manufacturing and product management and sees Christophe Simoncelli take over the Top slewing tower crane business with its two European factories in Moulins, France and Oporto, Portugal, while Giorgio Angelino will manage the Self-erecting tower crane business and its plants in Charlieu, France and Niella Tanaro, Italy.

The regional sales and Crane Care teams - including product support, logistics, used cranes and EnCore rebuilds - remain unchanged under vice president sales Orlando Mota, who also handles all tower crane marketing. Tower crane engineering will continue to be centralised under Bruno Roni-Damond, while finance and administration will be managed by Jean-Noel Gros. All report to executive vice president of cranes, Aaron Ravenscroft.



Christophe Simoncelli

Giorgio Angelino

Orlando Mota

# Baby Bronto

Bronto Skylift will launch an all-new 35 metre truck mounted lift - the Bronto S35EM - in September. The company says that it is designed to be easy to use for the self-drive rental market with the build quality and performance of larger Bronto platforms.

The new machine has a five section telescopic boom topped by an articulated jib. Maximum outreach is 29 metres and maximum platform capacity 500kg with the standard 2.04 metre platform, 450kg with a 2.4 metre basket and 350kg with the extendable 3.4 metre platform. The control system is the latest Bronto 5+ with touch screen, easy navigation and modifiable main menu. Outrigger set-up is completely variable and the unit has an overall length of 9.5 metres with an overall height of 3.7 metres.



The new 35m Bronto S35EM

# Kobelco completes China restructure

Kobelco has completed its restructuring process in China, ending its joint ventures and moving from seven jointly held operations to three wholly owned subsidiaries, although its leasing business will have a partner with a 24 percent stake.

Kobelco Construction Machinery (China) in Chengdu - which manufactures, sells and services excavators - is taking over the activities of Shanghai-based crane sales and service company Kobelco Cranes (Shanghai), which is being liquidated. Hangzhou Kobelco Construction Machinery will manufacture excavators and component parts while Chengdu Kobelco Construction Machinery Financial Leasing will fund sales. Kobelco crane manufacturing in China was discontinued in 2016.

# New 25m CTE

CTE has launched the 25 metre articulated Zed 25 HV truck mounted platform on a 3.5 tonne chassis. The Zed 25 HV has an outreach of 12 metres with 100kg in the platform or seven metres with the 250kg maximum platform capacity.

Slew is 320 degrees in either direction and platform rotation a full 180 degrees. Features include a variable outrigger set-up with automatic extension and pressure sensing with CTE's S3 Smart Stability System which automatically adapts the working envelope to suit the actual outrigger configuration selected.

The Zed 25 HV has 12 metres of outreach



CTE Zed 25 HV

# SC&RA responds to new crane rule clarification

The SC&RA - the US crane, rigging and heavy transport association - has responded to the Occupational Safety and Health Administration's (OSHA) notice on a proposed rule to clarify crane operator certification requirements when the new crane rule comes into force, and reinstate the employer's duty to ensure that a crane operator is qualified to safely operate equipment.

Essentially the association agrees with most of the clarification rule proposal, but objects to the requirement for third party operator testing/certification and overly prescriptive requirements.

In a letter to OSHA the SC&RA made the following comments in response to questions posed in the Notice of Proposed Rulemaking, Docket ID-OSHA-2007-0066, RIN 1218-AC86, Cranes and Derricks in Construction:

"SC&RA supports the requirement for employers to evaluate their operators and operators-in-training but does not support a prescriptive list by which employers must evaluate their operators, nor do we support the requirement for independent third party evaluations."

"SC&RA supports the requirement that a trainer should be a 'qualified person' as currently defined within the standard, but does not support the requirement for additional qualifications such as number of seat hours, previous operation of specific equipment, etc."

To see the full text go to [www.scranet.org/SCRA/News\\_Release/Newsletter/Association\\_News/SCRA\\_Responds\\_to\\_OSHAs\\_Proposed\\_Crane\\_Operator\\_Certification.aspx](http://www.scranet.org/SCRA/News_Release/Newsletter/Association_News/SCRA_Responds_to_OSHAs_Proposed_Crane_Operator_Certification.aspx)

# Böcker UK facility opens

German aluminium crane platform and hoist manufacturer Böcker has launched Böcker UK and opened its new facilities in Dudley, West Midlands.

The Mayor of Dudley, councillor Alan Taylor officially opened the new premises and kicked off the company's two day BöckerFest celebrations to mark the event. A full range of Böcker lifting equipment including cranes, furniture and construction hoists, personnel lifts and material lifts

were on display at the new 1,100 square metre workshop, warehousing and office facility.



The mayor of Dudley opens the new facility with Alan Peck of Böcker UK



The facility has 1,100 sq m of workshops, warehouse and offices

# New Bronto fire truck

Finnish truck mounted lift manufacturer Bronto Skylift has launched the 28 metre F28ALR truck mounted fire platform. The F28ALR operates



Bronto Skylift F28ALR

as an aerial lift, fire truck and a rescue ladder. It provides 20 metres of outreach and a platform capacity of 350kg, while the platform has an overall width of 1.8 metres and an overall length of 900mm.

# First non-American big Grove RT

The first 90 tonne Grove GRT8100 Rough Terrain crane manufactured outside of the USA has rolled off the production line at the company's Niella Tanaro plant in Italy. The plant has produced smaller models for Europe and the Middle East since 2005, while large capacity RTs were always built in Shady Grove, Pennsylvania. The first unit has been shipped to a customer in the Middle East. Niella Tanaro will also build the 80 tonne GRT880.

Jens Ennen, senior vice president for mobile cranes in Europe and Africa said: "We are confident that our customers in Europe, Africa, Middle East and Asia Pacific will benefit from this decision through shorter lead times, lower shipping costs and preferential import duties in certain countries."



The first Grove GRT8100 built outside of the USA



The crane shipped to the Middle East

# Comansa is the name

Spanish tower crane manufacturer Comansa is to drop the Linden Comansa brand name and will focus its marketing efforts on its original name of Comansa. The change will be implemented gradually right across the product range and at the company's facilities in Spain, the United States and China.

Linden-Alimak designed and built the first modern flat top tower crane in 1978 with the launch of its 8000 series. Comansa acquired the designs and rights to its tower crane business in 1983 and gradually implemented the technology and design concepts throughout its own tower crane range, while adopting the Linden Comansa name to open up markets where the Swedish manufacturer was well known and respected.

Cranes manufactured in Pamplona previously marketed under the Linden Comansa brand and cranes manufactured in Hangzhou, China, distributed under the Comansa CM name, will all now be branded as Comansa. The LC and CM crane nomenclature system will not change.



Going forward the Comansa brand will replace Linden Comansa.

# Haulotte sells Italian rental business

Haulotte has sold 100 percent of its Italian access rental company No.Ve S.r.l. to Loxam. Established in 1998 No.Ve has its headquarters in Rome, and has been controlled by Haulotte since 2006. It employs 45 staff across six locations - Rome, Naples, Chieti, Bologna, Florence and Milan - and has a fleet of around 1,000 aerial lifts and telehandlers.

The move follows Loxam's entry into the Italian market at the end of 2017, when it acquired an 80 percent stake in Italian powered access rental company Nacanco from the Giusto family. Four of No.Ve's locations overlap with those of Nacanco, which runs 14 depots, however the Naples and Chieti locations add to Loxam's geographic coverage. The addition of No.Ve takes Loxam's fleet in Italy to around 3,500 units.

Haulotte deputy chief executive Alexandre Saubot said: "The divestment of No.Ve is in line with Haulotte's strategic targets and will allow the group to focus on its core business in Europe."

Loxam chief executive Gérard Déprez added: "I am delighted to welcome the skilled and experienced No.Ve team into the Loxam group. The company is a long-established player in Italy and operates an equipment range very well known to us. We will join forces to provide our customers with the best service through an expanded network and build a reference company in the Italian equipment rental market."



# Keltbray Lifting Services expands external operations

UK specialist contractor Keltbray Group has expanded its lifting services division to cater for external clients, and moved to a new location in Silvertown, east London. The company established its Lifting Services division in 2010 to support its in-house heavy lift planning requirements at its demolition operation.

The division has expanded since then to support other parts of the group. With a team of experienced lifting engineers now in place along with £1 million worth of specialist lifting gear, Keltbray Lifting Services is now offering its expertise to other contractors as consultants and contract lift providers.

*Keltbray Lifting Services cut its teeth planning and managing the removal of 61 beams, weighing up to 1,500 tonnes with ALE's 4,300 tonne AL SK190 heavy lift crane*



# 100th Grove to Sollevamenti

Italian rental company Sollevamenti Mancini has taken delivery of the 100th Grove GMK4100L-1 All Terrain crane. The four axle 100 tonne GMK4100L-1 features a 60 metre main boom plus 11.1 to 17.6 metre swingaway extension for a maximum tip height of 89 metres.

Established in 1963, Sollevamenti is based in Tuscany and runs a fleet of All Terrain cranes and aerial lifts.



*(L-R) Davide Camperi and Klaus Kröppel of Manitowoc/Grove, Simona Rossetti and Fiorenzo Mancini of Sollevamenti Mancini, with Jens Ennen and Andreas Cremer of Manitowoc/Grove*

# Ruthmann opens American business

German truck mounted platform manufacturer Ruthmann has opened a sales office subsidiary in North America - Ruthmann North America. The new business aims to develop Ruthmann's presence in the market by working more closely with its two sales and service partners - Time Manufacturing, which handles its large truck mounted lifts and ReachMaster its distributor for smaller Ruthmann truck mounted lifts and Bluelift spider lifts.



*Tom Goyer*

The new subsidiary will be managed by Tom Goyer, vice president of sales and market development, North America, from a base in Tampa, Florida. He joins Ruthmann from Bronto Skylift, where he has been North American sales manager for the past three years.

"We want to provide more support and focus to our sales and service partners by being closer to the customers," said Ruthmann managing director Rolf Kulawik. "Tom knows the North American market for truck mounted aerial working platforms like the back of his hand and is therefore the ideal candidate for this important position."

*Time Versalift mounts and distributes large Ruthmann truck mounts in the USA*



# 2,000th Magni delivered

German sales and rental company Gruma Nutzfahrzeuge has taken delivery of 11 Magni telehandlers, including the manufacturer's 2,000th 360 degree telehandler.

The order includes nine, 18 metre/four tonne RTH 4.18 telehandlers, plus a 20 metre/six tonne TH 6.20 fixed frame telehandler and the milestone machine, a 30 metre/six tonne 6.30 SH. The company's fleet currently includes more than 40 Magni RTH and TH telehandlers. Magni shipped its first 360 degree telehandler in 2013 when it launched the new business at Bauma that year.

*Alexander Reisch of Magni (L) with Stefan Fröhlich of Gruma and the 2,000th Magni.*



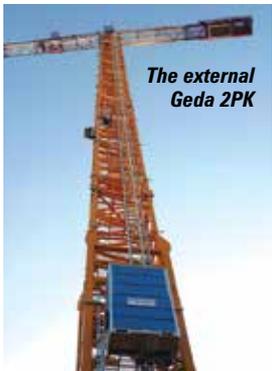
# Geda & Potain unveil internal hoist

German hoist manufacturer Geda has developed an exclusive internal crane operator hoist/elevator for Potain. Dubbed the Geda Potain Cab-IN it is based on its 2PK externally mounted crane operator hoist, but developed and tailored as an internal hoist that will fit the full range of Potain top slewing tower cranes.

It is part of an ongoing collaboration or partnership between the two manufacturers, with the five year exclusivity deal involving the supply of several hundred units. The first deliveries are planned for the end of this year. Cab-IN fits inside all Potain crane mast systems and is compatible with all Potain bases and drive frames with the elevator components left permanently in place.



Johann Sailer of Geda (L) and Aaron Ravenscroft of Manitowoc/Potain agree an exclusive five year supply deal



The external Geda 2PK

# First Snorkel telehandlers

Irish rental company Charleville Hire & Platform (CPH) has ordered the first two 2,600kg/5.79 metre Snorkel SR626 compact telehandlers in Europe.

CPH operates from three depots in Charleville, Cork City and Limerick. The SR626 has a maximum forward reach of 3.2 metres and a gross vehicle weight of 4,700kg. The European version of the Faresin built machine was launched at Vertikal Days in May.



Snorkel SR626

# Two new reachstackers

Liebherr unveiled two new reachstackers - the LRS 545 - 35 and the LRS 545 Log Handler - at the TOC Europe exhibition in Rotterdam, the Netherlands.

The LRS 545 - 35 has a maximum lift capacity of 35 tonnes in the second container row, while the LRS 545 Log Handler can lift up to 30 tonnes - with a grapple capacity of 8.2 square metres - which it can take out to 8.5 metres with a stacking height of up to 8.9 metres, it is also capable of log handling from a point below ground level.



Liebherr LRS 545 - 35

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# First 43m electric boom lift to Steiness

Dutch international sales and rental group Rival has sold the world's first 135ft pure battery electric self-propelled boom lift to Steiness Liftcenter in Denmark, which plans to offer the new machine on a re-rent basis to other rental companies in Denmark and the Nordic region.

Rival's technical team led by Nico den Ouden, created the new boom lift by converting a regular JLG 1350SJP from diesel to 100 percent battery electric complete with integrated 400 volt battery charger, resulting in noise levels below 70 dBA and zero carbon emissions. Rival has experience in this market having converted a 86ft JLG 860SJ to battery power in 2016 and a 120ft JLG 1200SJP a year ago. Further 1350SJP battery powered models will be added to Rival's rental fleet and sold to other rental companies and end users. The key features of the JLG 1350SJP, such as 43 metre working height and 24 metre outreach are all retained, but with the added benefit of electric power enabling users to work both outdoors and in large indoor areas.

Owner Poul Steiness said: "This boom is 100 percent battery powered, which is clearly preferable because of low noise levels, no pollution and lower operating costs. At the same time, it meets the growing demand for environmentally friendly 'green' machines in the market. The machine will be interesting for use in city centres as well as inside concert halls. We want to lead the green innovation on construction sites and through our strong relations with Rival Denmark, were keen to be first to buy this new special unit."



# UK distribution for Hematec Helix

German aerial lift manufacturer Hematec has appointed Alfa Access Services to handle sales and service for its Helix mast booms in the UK. Based in Sutton-in-Ashfield, Nottinghamshire, Alfa Access operates a network of mobile service engineers and also distributes Teupen, while handling service support for ATN, Denka, Bravi and Gantic battery chargers. Sales manager Brian Penny will lead the sales efforts.

Hematec sales manager Michael Schapperth said: "After an initial meeting at Vertikal Days in Donington and some constructive phone calls we then visited Alfa Access Services and it quickly became clear that we shared the same understanding of service and customer satisfaction. We are very happy about the partnership with Alfa and look forward to developing our business in the UK."



Allen Freeman of Alfa Access (L) with Michael Schapperth of Hematec



A Helix 1205

# Largest Nordic spider crane

Danish rental company HF Materiel has taken delivery of a 10 tonne Unic URW-1006 spider crane, the largest spider crane in the Nordic region.

The URW-1006 can lift its maximum capacity at three metres, has a maximum tip height of more than 30 metres - when fitted with jib - and can work at up to a 24.3 metre radius as well as pick & carry up 1.5 tonnes. The machine was delivered by Unic dealer Lissner.



The new Unic URW-1006

# JLG 1932R Oz recall

Earlier this month JLG Australia asked owners of Australian/New Zealand versions of its 19ft 1932R scissor lifts to withdraw them from service, while it confirms the cause of an incident in which the platform descended in an uncontrolled manner.

# Aichi to distribute Socage

Japanese aerial lift manufacturer Aichi is to distribute large Socage truck mounted platforms in Japan. The agreement - signed by the two companies last month - will see the Japanese company import and sell three Socage TJJ double jib truck mounted models - the 39 metre 39TJJ, the 47 metre 47TJJ on a 22 tonne truck, and the 54 metre 54TJJ on a 25 tonne chassis.

The 54TJJ is normally mounted on a 32 tonne, four axle chassis and the 47 on a three axle 26 tonne, making these target weights a challenge. Aichi says that the specifications are what it hopes to achieve and are therefore subject to change.

As part of the partnership agreement Aichi will provide sales and product support for all Socage products in Japan. Aichi already manufactures its own truck mounted lifts with working heights of up to 29 metres, alongside its self-propelled boom and scissor lifts.

The Socage 54TJJ on a four axle European chassis.



# Desert pickups for UAE

Time Versalift has appointed Al Ain Distribution Company of the UAE as sole supplier of a new line of desert specification 4x4 pickup mounted Versalift platforms.



The seven completed desert specification Versalift LAT-135-H

The 13.3 metre LAT-135-H has an outreach of 6.1 metres with its unrestricted/maximum platform capacity of 230kg. The first seven platforms are mounted on 3.2 tonne 4x4 Ford Ranger single cab chassis, with dual A-frame outriggers and fitted with three aluminium storage lockers, power outlets in the bucket and an intercom system from bucket to the truck cab. The units are insulated to 1 kV and will be used for power line and streetlight maintenance.

A UK Euro IV version is available mounted on an Isuzu D-Max chassis with 500kg of spare payload after driver, passenger and fuel.

# ALE teams up with Specialized Hoisting

ALE has signed a partnership deal with US-based Specialized Hoisting Solutions to offer the ALE Lightweight Service Crane to the civil engineering market in the USA.

The crane was launched in 2016 and can be assembled by hand from components small enough to fit into a service elevator and be installed on a high rise city centre building roof where space is limited. Specialized Hoisting has locations in New Jersey and Georgia and provides specialised high rise lifting and rigging solutions for window washing and medical equipment.



The ALE Lightweight Service Crane can set up in tight spaces

# CICA launches CrewSafe

The Crane Industry Council of Australia (CICA), has formally launched its operator training and certification initiative CrewSafe. The initiative is a collaborative effort with crane owners, equipment manufacturers and trainers both in Australia and overseas to increase onsite safety by introducing recorded machine specific assessments that confirm and document an operator's competency on a specific crane.



An assessment demonstration during the CrewSafe launch

The assessment modules are designed to reflect the current state of knowledge and best practice. All operator assessments are filmed, documented and accessible on a CrewSafe app, so that site supervisors and crane operators have a centralised point of reference accessible from their mobile phones. For more information go to [www.crewsafe.com.au](http://www.crewsafe.com.au)

Visit stand 1960-1980 at **APF 2018** to see the latest models

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**Ashtead**, owner of Sunbelt Rentals in North America and A-Plant in the UK has reported another year of strong growth. Total revenues were 20 percent higher at £3.7 billion, with pre-tax profit rising 16 percent to £862 million following debt restructuring costs and flat profits in the UK.



In the USA **Sunbelt** achieved revenues of \$4.15 billion, 18 percent up on last year, with rental growth of 20 percent partly offset by lower new and used sales. Operating profits were 20 percent higher at \$1.29 billion.

**Sunbelt Canada** almost tripled its revenues to \$223 million, most of it due to the acquisition of CRS in August. Operating profits also tripled to \$28.4 million.



In the UK, **A-Plant** revenues were 13 percent higher at £471.7 million, thanks to a larger fleet and better utilisation, partially offset by negative rate pressures and product mix. Operating profits fell almost two percent to £70.2 million.



US rental company **Maxim Crane Works** has acquired the assets of Cincinnati, Ohio-based **Tri-State Crane** from owners Kathy and Paul Pitzer. Financial terms of the transaction have not been disclosed. Tri-State Crane was established by the Pitzer's in 1997 and runs a fleet of truck, All Terrain, Rough Terrain, boom truck and crawler cranes.



Dutch international sales and rental company **Riwal** has arranged a new €375 million senior credit facility, taking advantage of current favourable market conditions to replace its existing €220 million credit facility with a lower margin line along with a 2023 maturity date, with two, one-year extension options, potentially taking it out to June 2025.



**Kiloutou** has acquired Madrid-based rental company **Seralfe** and also purchased Cologne-based **GL Verleih NRW** in Germany. **Seralfe** was established in 1991 by owners Jesús Martín Valladolid and Julián Hernández Delgado and operates a fleet of around 1,600 machines from skid steer loaders to mini excavators with a few telehandlers, scissor and boom lifts.



**GL Verleih NRW** runs a fleet of just over a hundred work platforms, including booms, scissor lifts, spider lifts, mast booms and truck mounted platforms with working heights of up to 70 metres. The depot, employees and the management team will be integrated into Kiloutou's Starlift network and will adopt the Starlift brand.



US-based **United Rentals** is to acquire tank, pump and fluid handling rental company BakerCorp **International Holdings** for \$715 million in cash from its owner, investment group Permira, which acquired it in 2011 for \$960 million. In addition to 46 locations in North America, the move gives United 11 locations in Europe - in France, Germany, the Netherlands and the UK.



**Kalmar** is to sell its US-based Rough Terrain reach stacker and telehandler manufacturing business **Kalmar Rough Terrain Center**. The deal is a Management Buy Out supported by a Texas-based investment group and includes the manufacturing plant in Cibolo, Texas. The company builds Rough Terrain container handlers and reachstackers along with the RT022 telehandler for both military and commercial markets.



German international rental company **Mateco** - part of the TVH group - has acquired the assets and ongoing business of Baden-Württemberg-based aerial lift rental company **Flesch Arbeitsbühnen** from founder and owner Gerhard Flesch. No details of the transaction have been released.



**Ashtead's** US business **Sunbelt Rentals** has acquired New England powered access and telehandler rental company **Above and Beyond** for \$21 million in cash with an additional \$500,000 payable over the next 12 months depending on revenues. Above and Beyond is based in Madison, Connecticut with branches in Durham and Stratford, Connecticut.



US-based **Able Equipment Rental** has acquired the aerial work platform assets and service operations of **Mobile Lifts** including its aerial lift facility in Norristown, Pennsylvania. The branch will be rebranded as a new Ale Equipment store and will retain most of the Mobile Lift employees with plans to expand the team. It will be Able's fifth location in the North East.



Telematics company **Trackunit** has formed a partnership agreement with **United Rentals** to provide premium telematics solutions for its fleet. Trackunit will use its relationships with manufacturers to install its 'Manager' technology on light and heavy equipment in the United Rentals fleet.



German aerial lift manufacturer and service company **Blumenbecker Technik** has sold its **Hubmeister** truck mounted lift manufacturing business to **Zweiweg Verwaltung**, part of the Zagro group. The deal includes the rights to the Hubmeister product range and Blumenbecker's production and assembly subsidiary in northern Italy. No details of the transaction have been disclosed. The Blumenbecker plant in Bad Lauchstädt, Germany which was involved with Hubmeister production has been closed following the sale. The company will continue to provide parts and service support for Hubmeister products and other aerial work platforms including Giraffe and MBB aerial work platforms for which it owns the brand rights.



A Hubmeister platform

Los Angeles, US-based **American Rentals** has acquired **Highland Equipment Rental** of San Bernardino California. The sale was prompted by the pending retirement of owner Andy Anderson.

# 340 JCBs for Boels

Dutch international rental company Boels has placed a €24 million order with JCB for 340 new telehandlers and mini excavators.

The units will be delivered to Boels locations in Belgium, the Netherlands, Germany, Poland, Slovakia, Austria and Italy. Boels has been a JCB customer for some time having placed orders for around 1,600 machines in recent years.



A Boels JCB telehandler

## Genie High Flotation boom lifts

Genie has launched new HF - 'High Float' - versions of its 80ft S-80 and 85ft S-85 straight telescopic boom lifts, for working on soft or sensitive ground conditions such as sand and turf.

The S-80HF and S-85HF are based on Genie's new XC - eXtra Capacity models but equipped with air filled 41/18LL x 22.5 20 ply high flotation turf-type tyres and feature dual platform capacity of 272kg unrestricted or 454kg with reduced outreach.

As with the new XC models, the S-80 HF and S-85 HF includes automatic platform load and tilt sensing and working envelope control. The HF models will initially be available in North America, although the company

intends to launch them internationally at a later date while further HF models planned for the future.

The 85ft Genie S-85HF



## Hiab opens new UK facility

Hiab has opened a new 1,860 square metre sales and service depot in Dudley, West Midlands, its largest in the UK. The new depot opens with a staff of 10, but will eventually be home to 30 employees, offering a full range of services from equipment inspection to preventive maintenance and breakdown support as well as holding a stock of essential spare parts.

Rogier van der Linde, managing director of Hiab UK & Ireland said: "Our presence in the West Midlands brings us closer to a significant fleet of Hiab equipment and we are now well placed to offer all the benefits that come with a global company, such



Hiab UK's Rogier van der Linde ((R) with Dudley service manager Chris Griffin cutting the ribbon

as Hiab trained service engineers and rapid access to quality parts at a local level. We are also delighted

to announce the provision of two apprenticeship places in collaboration with Dudley College.

## JCB expands Rocester plant

JCB is expanding its main production facility in Uttoxeter, Staffordshire, UK with a new 35,000 square metre cab manufacturing facility as it relocates cab production from Rugeley, Staffordshire.

The new building, which should be completed sometime next year, represents an investment of around £50 million and will double the current in-house production of cabs to around 100,000 a year. The facility will include a computer controlled production line, fully automated paint facility and robotic welding. It is expected to employ around 200 additional staff by 2022.



Work has already begun on JCB's new cab building

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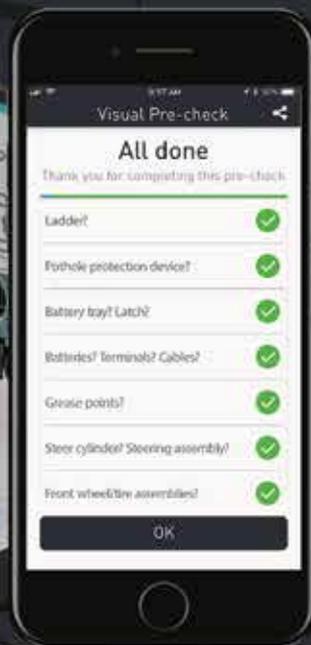
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## More than Telematics.

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• **Skyjack** has appointed **Aron Westby** as UK sales manager and **Glyn Stephens** as marketing manager Europe.



**Aron Westby**



**Glyn Stephens**

• **M&T Expo** in São Paulo has been rescheduled for the 26th -29th November.

• **Mammoet UK** has opened its new Teesside office.

• **JLG** has launched its new operator training courses in Malaysia in partnership with its distributors.

• Australian lifting/rigging company **Ranger Lifting** celebrated 20 years with new headquarters.

• UK-based **Nationwide Platforms** has gained CITB Approved Training Organisation status.

• **Manitex** has appointed **Alt Sales** of Richfield, Ohio as a dealer for its **PM** articulated cranes.

• US-based **Accurate Crane Service** has taken a 28t **Manitex** 2892C boom truck.

• The chairman of **Ashtead's** Audit Committee and non-executive director **Wayne Edmund** is to stand down.



**Wayne Edmund**

• UK specialist contractor **Keltbray** is expanding its lifting services division.

• **GGR** has taken the UK's first **Hematec** IMK 35500 crane.

• Germany's **Induma-Rent** has taken a **Magni** RTH 5.21 SH telehandler and 11 scissor lifts.

• Dubai-based **Al Laith** has taken a 66ft **JLG** 660SJ and an 86ft 860SJ.

• Australia's **Qube Ports** has ordered a 144t **Liebherr** LHM 550 mobile harbour crane.

• Dubai-based **Nurul Construction** has taken five **Raimondi** tower cranes.

• **Genie** has appointed **David Haldane** as sales manager of services for the UK and Ireland.



**David Haldane**

• **PT Indonesia Pondasi Raya** has taken two **Potain** tower cranes.

• French telecom company **Scopelec** has taken four 12.5m **Versalift** ETL-32-125s.

• **CTE** export area manager **Simone Tomasi** has left the company.

• Frances **Foselev** has taken a 250t **Demag** AC250-5 and 160t AC160-5 All Terrain cranes.

• **Easy Lift** has received certification of compliance with Australia/New Zealand standards AS/NZS 1418.10.

• UK-based **Elvington Plant Hire** has taken a 45ft **Genie** Z-45/25JRT boom lift.

• Australia's **Rock Logistics** has ordered 26 **Hiab** loader cranes for a client.

• Russia's **Vertex** has sold a 17.1m **Niftylift** N170HE trailer lift.

• **Terex Germany** has appointed **Ulrich Wagner** and **Thomas Keckeis** as regional sales managers.



**Ulrich Wagner**



**Thomas Keckeis**

• **Dana** has acquired electric drive component manufacturer **TM4**.

• Denmark's **Kran Kompagniet** has taken a 450t **Liebherr** LTM 1450-8.1 All Terrain crane.

• Swiss electric chain hoist manufacturer **GIS** has acquired its UK distributor **Lift Turn Move**.

• US rental company **NESCO** has acquired manufacturer **N&L Line Equipment**.

• Australia's **Mosaic Construction** has taken a **Potain** Hup 32-27 self-erecting tower crane.

• US-based **Herc Rentals** has appointed **Mark Irion** as chief financial officer.



**Mark Irion**

• **Deutz** has unveiled the first of its EU Stage V engines, the TCD 6.1.

• Italian rental company **LocaTop** has taken six **Easy Lift** spider lifts.

• French company **Speyser** has taken the first **Sennebogen** 624 E folding boom duty cycle crane.

• Italy's **Officine Dandrea** has taken two 45t **Grove** RT550E cranes with two more on order.

• Italian crane manufacturer **Jekko** has appointed three new South American dealers.

• US-based **Empire Crane** has appointed **Gene DiCosta** to its New England sales team.



**Gene DiCosta**

• **Camso** has appointed **Industrial Tyre Specialists** as its Irish distributor.

• Germany's **Hubert Wiemann Autokrane** has taken a 100t **Demag** AC 100-4L.

• Fire vehicle manufacturer **Rosenbauer** has opened new service facilities in Madrid.

• Hong Kong rental company **Shing Fung** has taken a 41.4m **Easy Lift** R420HY spider lift.

• Florida-based **Sims Crane & Equipment** has entered the tower crane market with 11 new **Potain** cranes.

• UK distributor **AJ Access Platforms** has appointed **Greg Moore** as northern territory sales manager.

• Romania's **CEZ Group** has taken a **Liebherr** 600t LR 1600/2 crawler crane and 130t LTM 1130-5.1 All Terrain.

• **JCB** is expanding its Uttoxeter plant with a cab manufacturing facility.

• UK-based **EnerMech** has won £21 million crane management/maintenance contracts.

• The first road/rail **Neotec** 400RR/**Manitou** 160ATJ+ boom lift has been certified in Australia.

• **Ashtead** has appointed **Paul Walker** as a non-executive director and chairman designate.



**Paul Walker**

• **Cramo** is to acquire Sweden's **Nordic Modular**.

• Netherlands-based **Collé Rental & Sales** has taken 40 **Aichi** SR12C 40ft crawler mounted boom lifts.

• **Terex Utilities** has opened a new service centre in Pennsylvania.

• The **Iran Mall** in Tehran has taken a 35m **Palazzani** Ragno TSJ 35 spider lift.

• German rental company **Salgert** has taken three **Ruthmann** truck mounted platforms.

• **Mammoet Middle East** has opened a new facility in Al Jubail, Saudi Arabia.

• Frances **Serviloc Nacelles** has taken two large **Palazzani** spider lifts.

• **Duisburg Fire Department** has rebuilt its 45 year old **Gottwald** AMK 35-21.

• German rental company **Lindig Fördertechnik** has taken two **Genie** XC boom lifts.

• **AFI** owned **Hampshire Plant & Access** has taken the first **Manitou** 220J in the UK.

• German rental company **Gerken** has added six **Teupen** Leo spider lifts to its fleet.

• UK rental company **Star Platforms** has opened a depot in Thetford, Norfolk and appointed **Stephen Carman** as manager.



**Stephen Carman**

• **IPAF** has released its 2018 **Rental Market Reports**.

• UK-based **Cannon Access** has ordered three **Snorkel** compact RT scissor lifts.

• Croatia's **Zagrebtrans** has taken a 650t **Demag** CC3800-1 lattice crawler crane.

• **Oostenbrink Transport & Hoogwerker** has received the first **Genie** S-85 XC in the Benelux.

• **Link-Belt** has announced a new 273t 348 Series 2 lattice crawler crane.

• **Lankhorst Ropes** has supplied ropes for the 5,000t floating crane Asian Hercules III.

• **Raimondi Cranes** has appointed tower crane sales company **Italasme** as its representative.

• UK rental company **NEG Services** has taken a 20.6m **CTE** Zed 21.3JH truck mounted platform.

• Russia's '**Technopark Skolkovo**' has taken a 51ft **HAB** S175-12 E2WDS scissor lift.



**Scott Holtby**

• UK-based **Baldwins Support Services** has taken five new **Mercedes** Grounder 3363 6x4 tractor truck units.

• **Snorkel UK** has appointed **Scott Holtby** as area sales manager for South West England.

• **Isoli** has appointed **Teejan Equipment** as its distributor for Oman.

• Germany's **Teichmann** has acquired overhead and gantry crane manufacturer **Krafotec**.

• US-based **ReachMaster** will introduce secondary guarding on its **Falcon** and **Bluelift** models.

• Indian rental company **RentEase** has taken 52 **Haulotte** platforms with 48 more on order.

• German crane company **W. Mayer** has taken a 130t **Demag** AC 130-5 All Terrain crane.

• Italian rental company **Musselli** has taken a 150t **Grove** GMK 5150L All Terrain crane.

• **Crane Norway Group** has ordered 11 **Demag** cranes ranging from 100 to 650 tonnes.

• **Mateco** has appointed **Wolfgang Neumann** as managing director.

• US-based rental company **Illini Hi-Reach** is celebrating its 25th anniversary.

• **Xtreme Manufacturing/Snorkel** has appointed **Jim Masters** as vice president of engineering operations.



**Jim Masters**

• Hong Kong crane company **Set Win** has taken the first 450t **Liebherr** LTM 1450-8.1 in Asia.

• UK-based **Warren Access** has taken an 18m **Ascendant** A18-13TJ truck mounted platform.

• The Mayor of Dudley has opened the new **Böcker UK** facility.

• **Australia's Construction Commission** is taking legal action against union officials for interfering with crane operations.

• **CM Labs Simulations** has released a new Signaller Training Station simulator programme.

• Scissor lift manufacturer **Custom Equipment** has appointed **Norman Waterman** as Northeast territory manager.

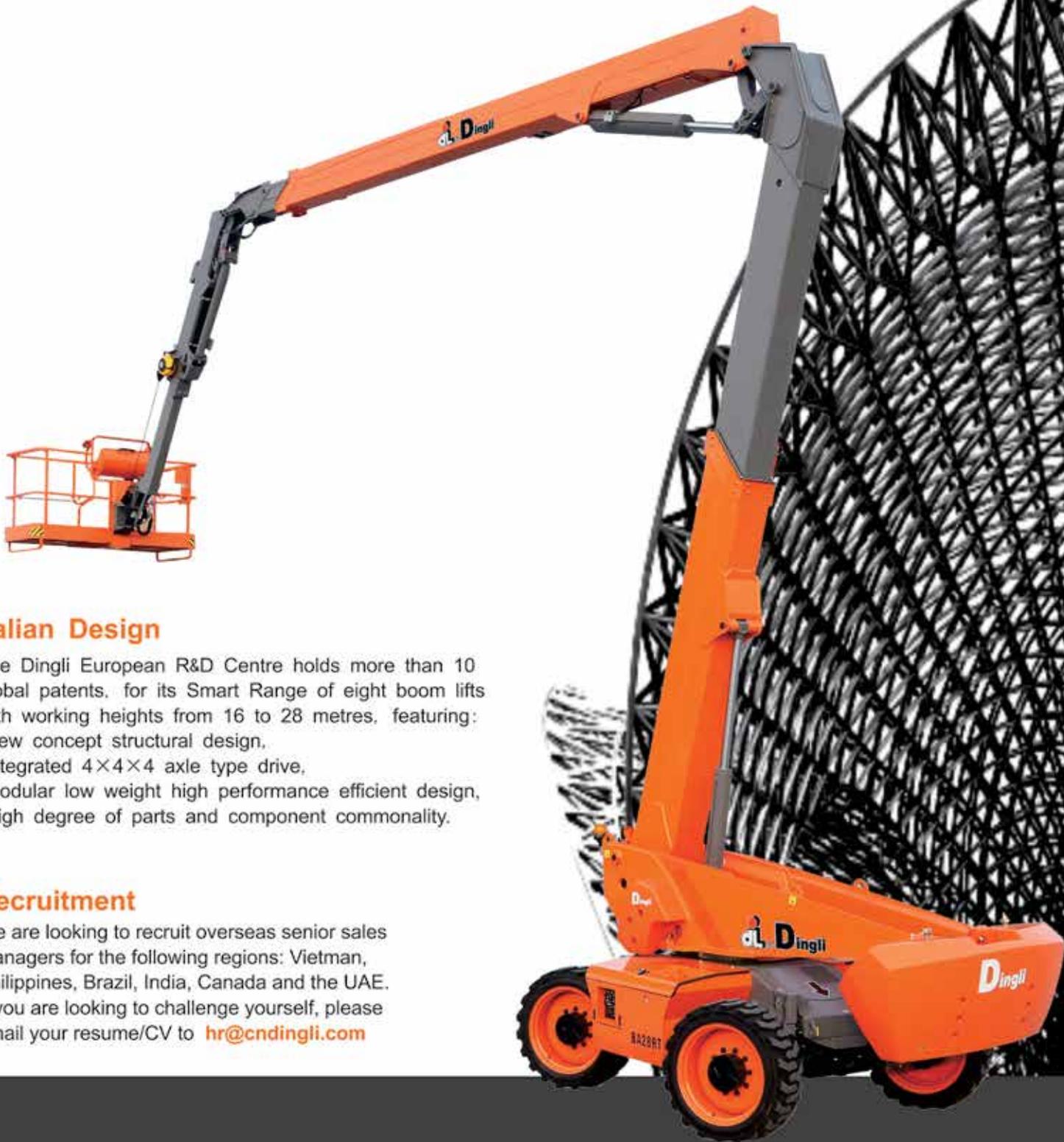


**Norman Waterman**

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# Pick & carry options

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**pick & carry**

In every industrial installation contract, lifting the component into its final position is just part of the total process. Whatever the job, materials/components must be produced, transported to site, unloaded then moved and lifted into position. Depending on the size and weight of the item, the equipment used will range from small hand operated lifting machines, through industrial pick & carry cranes right up to massive mobile and crawler cranes together with SPMTs, tracked carriers, gantries and jacking and skidding systems.

Obviously reducing the number of machines by using one capable of picking, moving and placing the item is easier, quicker and safer. We take a look at a wide variety of options.

Stricter manual handling regulations have resulted in an influx of smaller hand-operated lifting machines which are growing in popularity by offering a more efficient solution to moving heavier loads. Last year we reviewed several hand operated machines including the PowerAttack lifting/skid tug which can handle up to 25 tonnes, the 140kg capacity 'chicken wishbone' Powered Hand Truck from Australian company Makinex and the 600kg Portable Self Loading fork lift from American company InnoLift.

However, lifting an object is not usually the problem. Moving it over distances, up and down various levels such as stairs or across rough

terrain is much more difficult. There are various solutions for coping with flights of stairs such as CTE's 600kg capacity Pianoplan 600J, while transporting loads up slopes and across uneven ground is made easier using the various tracked carriers now entering the market.

## Tracked carriers

UK Jekko distributor JT Cranes offers various inhouse designed remote control, lithium ion battery powered, fixed deck tracked carriers with capacities up to the 4,000kg D40, with deck measuring 1.9 by 1.36 metres and a carrier bed height of 570mm. Tracked carriers are ideal when working in conjunction with a spider or loader crane, unable to do the carry part of 'pick & carry'. The company says it is also working on a new higher capacity nine tonne tracked carrier.



A JMG MC110

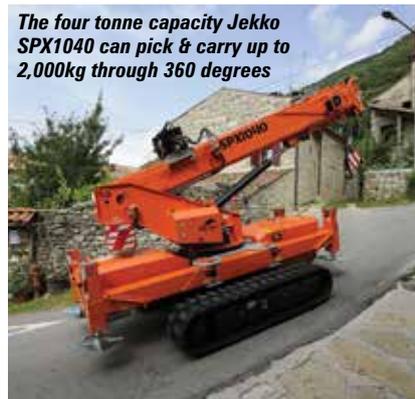


The Valla 220SE is proving particularly popular, especially in the aviation maintenance market

Jekko has also entered the market with its Multi-Loader - a range of remote control, battery powered tracked loaders with 2,000 and 2,500kg capacity. Weighing 1,800kg the main difference with the JT Cranes carrier is that its 2.4 by 1.1 metre deck is self-levelling on slopes up to 40 percent longitudinally and 25 percent laterally.

Fellow Italian manufacturer Almac offers a similar range of tracked carriers using its 'Bi-Levelleving technology' from its range of tracked scissor lifts. The units have similar capacities but the Almac deck is wider at 1.3 metres. Battery life ranges between five and 10 hours.

Jekko is also finding success with its new tracked articulated crane range, topped by the JF545 which unlike most spider cranes can pick & carry lighter loads. It will shortly add to its range with the new JF365 capable of lifting 11.5 tonnes. While spider cranes are generally not able to pick & carry there are a few exceptions. The 10 tonne capacity Unic URW-1006 for example can pick & carry up to 1,500kg. The largest Maeda spider crane - the eight tonne MC815C - has a pick & carry capacity of up to a tonne. However, the real pick & carry stars are the four tonne Jekko SPX1040 and the 7.5 tonne SPX1275 which can both pick & carry up to 2,000kg through 360 degrees.



The four tonne capacity Jekko SPX1040 can pick & carry up to 2,000kg through 360 degrees

Jekko also has a range of small pedestrian pick & carry cranes and has added lithium power to its two tonne MPK20 and the five tonne MPK50 remote controlled crane/glass handler. The units currently use lead acid battery packs but can

The Almac tracked carrier with its Bi-Levelleving technology'





*Another Italian pick & carry manufacturer - this Sarda Aton has a lift capacity of 12 tonnes*

be ordered with the optional Eco Scienlab lithium ion battery pack, which is said to double or triple the battery life, with a continuous operation of between 3.5 and four hours, longer of course in typical use. The units can also be charged while being used on battery power.

**Industrial pick & carry**

In recent years the traditional industrial pick and carry cranes from Italian manufacturers such as Ormig, Manitex Valla, Galizia and JMG have been evolving rapidly as manufacturers adopt the latest technology such as direct electric drive and more sophisticated control systems. This has helped the sector regain some of the ground lost to fork trucks and telehandlers over the years.

Valla - which became part of the Manitex group in 2013 - is currently producing more cranes than it has done for several years. It recently introduced a new walk behind/ pedestrian controlled pick & carry crane, the Valla 19E Series, in North America which has a lift capacity of 903kg with the machine weighing just under two tonnes. The 48 volt/200Ah battery powered crane is compact at 934mm wide, two metres high and 2.39 metres long. Its three section boom has 2.7 metres horizontal reach, 4.57 metre maximum lift height and rear 180 degree steering.

The company says that its 22 tonne Valla 220SE electric powered

crane, is proving particularly popular, especially in the aviation maintenance market, as it can be easily tailored to customers' requirements and offers 360 degree slew. Its four section 13.5 metre boom can be extended with a new jib to provide a lift height of 24 metres, allowing it to work on all wide bodied aircraft. The cranes are also fitted with the latest GPS and self-diagnostic systems informing the factory and client of any problems and possible issues.

Earlier this year it supplied a new 25 tonne Valla 250E to its UK distributor Hird. With a gross vehicle weight of less than 24 tonnes, it can lift up to seven tonnes to a height of 10 metres. Maximum radius with the boom horizontal is seven metres at which it can still handle a four tonne load. Ideal for indoor use, the machine has an overall width of 2.15 metres is 5.8 metres long and 2.3 metres high and is fitted with 3B6 digital load monitoring system. The machine has already been used by Ainscough Vanguard and British Aerospace for machine installations.

The demand for electric and hybrid powered industrial cranes has resulted in many of the pick & carry crane manufacturers adding this option. North America manufacturer Bailey Cranes offers battery and hybrid electric conversion kits for various manufacturers including Shuttlelift/Grove Yard Boss carry deck cranes, along with the



*JMG MC32 with winch*

complete line of Broderson carry deck crane line, with ranges from the 1,130kg pick & carry capacity of the IC20 to the 11 tonne IC400. The conversion features high capacity 24 to 80 volt lead acid battery systems located in the vacated engine bay and a 208/240/400 volt battery charger with a typical charge time of eight hours. An optional combustion engine can be installed for continuous running of the crane or charging the batteries.

**JMG electric**

Italian manufacturer JMG Cranes has been expanding its range of electric pick & carry cranes for more than 10 years now, and has a line that runs from the two tonne capacity walk behind MC 20 up to the 58 tonne MC 580. The company has launched two new models the 990kg capacity SpeedyLifter 99 and the 10 tonne MC 100S.

The compact SpeedyLifter 99 has an overall width of 840mm and an overall length of 2.36 metres with a 1.58 metre overall height, making it ideal for passing through single doors. It is lithium ion battery powered with two electric wheel motors powering the front wheels and 180 degree electric steering at the rear. Operation is solely by radio remote control. The little crane can

take its 990kg maximum capacity to a height of just under four metres and handle 390kg at 1.74 metres beyond the front wheels. The 1,350kg crane has removable counterweight in the form of 16, 25kg blocks so when removed results in the crane weighing less than a tonne. The crane has two front wheel stabiliser type outriggers, giving an overall width of 1.62 metres. Options include a hydraulic jib and winch - with maximum capacity of 770kg at over four metres lift height with 0.79 metre forward reach - an onboard battery charger, ATEX conversions for working in areas with explosive/flammable atmospheres, non-marking tyres and a hydraulic manipulator.

The MC 100S is a larger version of the SpeedyLifter and is also only operated by radio remote controls, with twin electric drive motors on the front wheels and two steering wheels at the rear. Overall weight is 11 tonnes, but this can be reduced to 7,600kg by removing the two 1,700kg counterweight sections. The three section main boom can lift 5,300kg to a height of more than nine metres and has a clear forward reach of 5.72 metres with 1,750kg capacity. With the front stabiliser bar deployed this is increased to



*Bailey Cranes offers battery and hybrid conversion kits for manufacturers including Broderson, and Shuttlelift/Grove Yard Boss*



*JMG MC25 glass manipulator*

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The compact 'push around' M1 Microcrane features a four section boom offering a maximum tip height of 6.7 metres and a capacity of 905kg

2,400kg. The crane measures just over 4.5 metres long, 1.5 metres wide and is almost two metres high.

**Alternative pick & carry machines**

Earlier this year Canadian manufacturer Microcranes - formerly SmartRig - launched the M1 Global model lightweight modular mini crane. The compact 'push around' crane features a four section boom offering a maximum tip height of 6.7 metres and a capacity of 905kg. It has an overall width of 762mm and weighs 816kg with 136kg of removable counterweight meaning it can fit through doorways and inside smaller elevators/lifts.

The crane is equipped with castors on both the base frame and outriggers allowing loads to be manually moved into position. It has several configurations, including a roof top mode allowing floor to floor or ground to roof lifting of materials on buildings of up to seven storeys. M1 portable lifters has a four section pull out boom with hand operated pump for the hydraulic elevation, a battery powered winch features a 24 volt deep cycle battery with an onboard charger.

A similar type of crane is the Greenlifter from JMG. With a lift capacity of 900kg, the compact unit can be disassembled and folded



The JMG Greenlifter has fold out 1,740mm wide front stabilisers when in lifting mode

into two push around parts - boom and counterweight/engine - each measuring about a metre long, making the crane very compact, portable and manoeuvrable. With an overall width of just 620mm, it has fold out 1,740mm wide front stabilisers when in lifting mode. Overall length is 2.34 metres with

an overall height of 1.58 metres. It weighs just 1,150kg but has 650kg in removable counterweight. The three section boom is manually extended but hydraulically elevated and can lift 250kg to a maximum height of about four metres which three metres forward reach. Once



The Greenlifter can be folded up into two push-around parts - boom and counterweight/engine

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The IMK 35500 can pick & carry its maximum load of 500kg through 360 degrees.

the load has been lifted, the crane can be pushed into position on its wheels.

#### Hematec mast boom crane

A variation on the compact lifting theme is the new German made Hematec IMK 35500 mast boom crane. Based on the Helix 1205 work platform, the self-propelled IMK 35500 can pick & carry its maximum load of 500kg through 360 degrees and is able to drive itself into very narrow, restricted areas. The IMK 35500 has an overall width of just 980mm, a five section telescopic vertical mast topped by a 5.1 metre four section telescopic jib. Maximum tip height is 10.5 metres at which it can handle its maximum capacity and take it out to a radius of 3.5 metres and a height of 6.6 metres, with the mast fully extended and the jib horizontal. Maximum radius in this configuration is 4.3 metres and which it can handle 350kg all free on wheels of course.

The first unit was recently delivered to UK sales and rental company GGR, which is promoting it as the AC500 Assembly Crane. Chief executive Graeme Riley said: "We see the AC500 Assembly Crane being used across a variety of industries. This innovative piece of kit is perfect

for projects operating in confined and restricted areas, particularly in the automotive industry."

#### Hüffermann cranes arrive in USA

Another unusual crane with pick & carry capability is the Hüffermann articulated self-propelled electric crane. The first in the USA has recently been purchased by BMW North America for its production facility in Greer, South Carolina. The Type III third generation 34 tonne/metre model uses a Palfinger loader superstructure and can take 1,420kg to a radius of 16.7 metres through 360 degrees.

The new modular chassis has been redesigned to handle articulated cranes up to 56 tonne/metres. Both ends of the chassis can also be extended to almost double its length for a longer outrigger footprint while maintaining a compact base for manoeuvring into position. The Type III is more compact than earlier models, with greater steering and drive power, but retains all key features, such as quiet, emission free operation along with four wheel drive and steer, allowing it to move in virtually any direction including turning on the spot.

The outriggers can be set to fill the space available, with a maximum footprint of 6.5 metres square. Hüffermann claims that the new crane is the only such machine that can handle the latest heavy duty manufacturing robots from typical factory aisles, giving manufacturers the ability to place heavy machine tools - such as Kuka's Titan 1000 which can weigh almost five tonnes - in more confined spaces.

#### Tractor/articulated chassis cranes

Another pick & carry crane are those with articulated chassis, ranging from simple tractor-based cranes used widely in India, to the sophisticated 'Franna' type cranes popular in Australia. Terex Australia - previously Terex Franna - has booked a number of new orders for the Mac 25-4 and AT-22, following a few years of quieter sales volumes.



A Franna AT-22 articulated crane.

The Hematec crane can lift 350kg at a radius of 4.3 metres and a lift height of 6.6 metres.

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One of many pick and carry cranes made in India - this is the Indo Power 14FXN.

The 25 tonne Mac 25-4 features an 18 metre four section boom and a short three metre jib for a maximum tip height of 21.5 metres. The crane has no outriggers and can lift its entire load chart free on wheels. Weighing almost 24 tonnes the Mac 25-4 has a maximum travel speed of 75kph. Recent orders have come from Mammoet, Brendon Penn Crane Hire and Melmar Cranes. Companies including South32, Cannington and Mandurah Crane Hire have ordered the smaller 22 tonne AT-22 which features a 17.9 metre four section boom with the final section manually extended. A short jib raises the maximum tip height to 2.07 metres. Overall weight is 20 tonnes.

**Humma 55-25**

Australia's Humma Cranes has launched a new chassis for its 55 tonne capacity articulated Humma 55-25 which uses a new dynamic levelling suspension allowing the crane to pick & carry over uneven ground and on side slopes of up to five degrees without the need to derate the charts. Working with

specialist commercial and vehicle suspension systems company Hemscheidt Fahrwerktechnik the chassis features a new modular hydro-pneumatic suspension and damping system which can be adapted to various configurations. The dynamic levelling suspension is said to be a world first in a crane of this type.

According to Humma, side slopes are the biggest cause of reported crane accidents. Even an incorrectly inflated tyre can put an articulated crane into a dangerous side stability condition. The Humma's custom designed suspension automatically adjusts the crane chassis while lifting to maintain its level, allowing the operator to complete the lift safely and quickly.

The company says that it is 'the beginning of the heavy lift, high tech era of pick & carry cranes' and sees no technical reason why a 75 or 100 tonne Humma could not be built to meet market demand.

**RT cranes**

Another option for pick & carrying loads is the Rough Terrain crane.



A 22 tonne Valla 220SE



Humma 55-25 claims to be the new standard in high capacity articulated pick & carry cranes

Often the first machine to roll onto a job site, they must be 'jack of all trades'. The latest RT launch is the 149 tonne three axle Grove GRT 9165 with 62.5 metre six section, pinned main boom which can be extended to a maximum tip height of 91.2 metres with a choice of manual or hydraulic offset

extensions.

The new crane has been designed for easy transport, with an overall stowed height of 3.8 metres, hydraulically removable counterweight and outrigger boxes, taking it down to an overall weight of 52.6 tonnes. The crane uses a hydrogas suspension system and is able to pick & carry a maximum of



Two 45 tonne Ormig cranes



The 149 tonne capacity three axle Grove GRT 9165

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- 2/4 parts load block reeving
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five tonnes at a five metre radius. The crane is the first three axle Grove Rough Terrain crane and goes head to head with Tadano's 145 tonne GR-1600XL-2 and Link-Belt's 145 tonne RTC-80160 Series II. The Tadano can pick & carry just under 10 tonnes, even without counterweight, while the Link-Belt with 14.3 tonnes of counterweight can pick & carry a massive 39.6 tonnes. At the smaller end of the market, Locatelli unveiled the 45 tonne Gril 52.47 at Intermat, which interestingly can pick & carry a very respectable 16.5 tonnes.

**Telescopic crawlers**

The recent growth in the popularity of telescopic crawlers means there is yet another range of equipment capable of pick & carrying a load.

Most crawler cranes can pick and carry their full load charts. One of the most recent launches is the 32 tonne Tadano Mantis GTC telescopic crawler, the smallest model in the company's GTC - Global Telescopic Crawler - range to date. The load chart is good for pick & carry through 360 degrees on level ground anything up to 1.5 degrees.

The crane has a 27 metre three section full power boom designed and built by Tadano Japan for heavy duty crawler crane applications such as pick & carry, foundation and grab work. It is topped with a 7.1 to 12.7 metre bi-fold swingaway extension that offsets at 5, 25 or 45 degrees and provides a maximum tip height of 41.1 metres. Load charts are also programmed for

slopes up to four degrees on main boom, or 2.5 degrees when lifting with the extension.

**30 tonne Sennebogen**

Another relatively new 30 tonner is the Sennebogen 633 - its own version of the badged Grove GCH30 unveiled earlier this year. The new crane features a 25.2 metre three section full power boom designed for heavy duty and use and frequent cycling. A 6.5 to 13 metre offsetable bi-fold swingaway extension takes the maximum hook height of 38 metres. All capacities are 360 degrees and the unit can pick & carry its full load chart. Load charts are also available for slopes of up to four degrees.



Most crawler cranes can pick and carry their full load charts such as this 32 tonne Tadano Mantis GTC telescopic crawler



Galizia G150 working at Stanstead Airport



Ormig 60tm



Almac tracked multi-loader

# Going Underground

A Valla 250E electric pick and carry crane has been lowered 20 metres down a shaft to support construction of the latest £500 million, two mile extension of the London Underground Northern Line being built by a joint venture of Ferrovial Agroman and Laing O'Rourke.

The line will serve major new leisure and office developments and 20,000 new homes on the site of the former Battersea Power Station as well as the new United States and Dutch embassies at Nine Elms. Two new stations will be built at Battersea and Nine Elms and will then

terminate at Clapham Junction. It is scheduled to open in 2020.

The 25 tonne capacity Valla 250E is being used to carry and install reinforced concrete panels lowered into the shaft by a tower crane. With an overall width of 2.15 metres and overall length of 5.8 metres the

crane is fitted with the latest all-round camera system, helping ensure safety while moving in the confined area.

Deividas Matulevicius, senior AP - Lifting Operations - for Laing O'Rourke, said: "The Valla 250E is the most manoeuvrable crane I have worked with. The confined spaces we can operate in underground are quite amazing. Being an electric crane, it is also environmentally friendly with low noise and zero emissions so is ideal for such a job, helping to make our work environment safer and easier to work in."

The crane has a four section



The Valla 250E is being used to carry and install reinforced concrete panels



The Valla 250E electric pick and carry crane being lowered down a shaft on the two mile extension of the London Underground Northern Line

telescopic boom, and a maximum radius of nearly 10 metres. It is also fitted with non marking tyres, the latest 'InTouch' tracking system and advanced remote access diagnostics."

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# Low level industrial access & mast booms

As most of us are thinking of summer vacations, many manufacturing companies will be gearing up to carry out major maintenance, repairs/replacement, cleaning or general production layout changes.

Obviously moving or installing heavy machinery requires specific lifting equipment - see Pick & Carry feature on page 17 - but as much thought and planning is required with the access element of such changes and in particular the smaller maintenance and cleaning jobs.

Viewed as 'easy' and 'simple' tasks, planning is frequently left until the last moment, all too often resulting in inappropriate equipment being used to work at height. This is borne out by the number of Death Wish reports and incidents on the Vertikal.net website. In industrial situations the pallet on the forklift is a favourite as is a ladder on top of something else.

The problem is that everyone has a ladder and it is the ideal item of

access equipment for so many low level tasks. However as soon as the work exceeds its scope, a simple task - such as changing a light bulb or fixing guttering - becomes inefficient and dangerous.

In recent years people have become much more aware of these dangers and of the powered access alternatives, but many still continue to take the risk rather than organise the right equipment for the job. This is particularly true with smaller contractors carrying out work on homes or small industrial units. Upfront costs and the extra hassle of organising the right equipment is probably the main factor, but as we have often said before, the benefits of using the right equipment include completing the work more quickly and improved safety for all involved. Even if the cost and organisational effort is not recouped by fewer hours worked, it is hundreds of times less expensive than an accident and resulting injuries, more when fines and legal costs are considered.

## Defining low level access?

For this article we are looking at everything from basic push around lifts up to the larger mast type lifts offered by Skyjack, Snorkel, Haulotte and Genie along with the latest micro scissors, such as the Snorkel S3215L, MEC Micro 19, JLG 1532R or GMG 1530-ED. We are also covering the ultimate industrial work platform - the mast boom - which combines good working and up and over heights with outreach for those more awkward jobs.

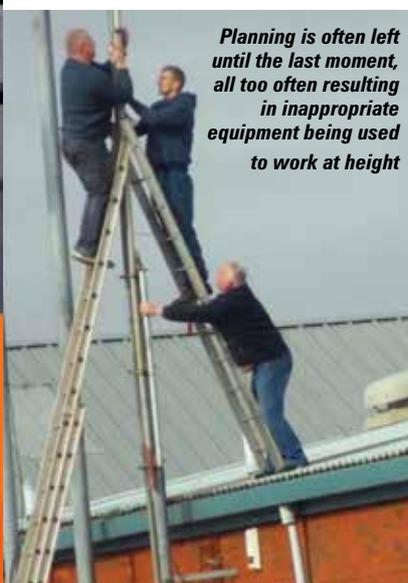


The second generation 4.2 metre HLS Hugo - manufactured in Leeds, UK - has two wheel steer, a manual footbrake for the rear wheels, automatic braking on the front and simple controls



Safelift has two models with five metre working heights

Planning is often left until the last moment, all too often resulting in inappropriate equipment being used to work at height



We will also look at some of the attachments that can make aerial lifts more efficient and non-integrated work platforms for fork lift trucks - when they should and shouldn't be used.

## New introductions

There have been several new products in this wide and varied sector over the past year or so. An interesting addition to the international market are two mast type lifts from Swedish company Safelift. The company's aim was to 'produce a mast lift to replace ladders making working at height indoors safer'. It currently offers two models - a push around and a self-propelled - both with five metre working heights, characterised by

a low weight, low entry height and tight turning radius. The company says that its 'simple and easy to manoeuvre lifts are a cost effective alternative to similar lifts on the market'. The company mainly sells in Nordic countries but now exports to Germany and France. The lifts go head to head with products such as the 4.5 metre working height Power Tower Nano self-propelled, and the 4.2 metre push arounds such as the Power Tower Ecolift or the HLS Hugo but offer more working height. The product is assembled at the company's facility in Växjö with most parts manufactured locally. The two models are almost identical, with working heights of 4.95 metres, a single person



Both Safelift models have 180kg platform capacity and weigh 320kg

platform measuring 530mm by 760mm, a 16 second lift time to full height and 180kg platform capacity. Overall width is 760mm with an overall length of 1.2 metres and an overall height of 1.64 metres. Both units weigh 320kg.

Both the PushAround AP30 and the MoveAround AD30 have push buttons to raise and lower the platform, with a joystick drive and steer control on the AD30. Both have two, 75Ah, 12 volt batteries with onboard chargers.



The Safelift's harness anchor point is mounted on the side of the mast just below the emergency stop button and a 12 volt USB socket for charging a tablet or mobile device.

The models look small and compact with a typically clean Swedish design and some nice features. The entry height is 350mm through a single swing gate, a harness anchor point is mounted on the side of the mast, just below the emergency stop button and a 12 volt USB socket for charging a tablet or mobile device. Safelift says it plans to broaden the range with a PickAround for stock picking in shops and warehouses, while adding models with lower and higher lift heights. Finally, if the appearance of the machine makes a difference the Safelift makes many other platforms look 'industrial' and would not be out of place in a hi-tech office or showroom environment.



Haulotte showed these two low level prototypes - a push around and a self propelled - at Intermat

**New Haulotte push around**

At Intermat earlier this year Haulotte showed several new prototypes including a low level push around lift and a new self-propelled scissor lift. The scissor has a working height of five metres, a 200kg platform capacity and overall weight of 580kg. The unit has an overall length of 1.5 metres by 750mm wide, with an overall height of 1.8 metres. The physically smaller Haulotte push around has a working height of 3.8 metres, a platform capacity of 240kg and an overall weight of 270kg. It is relatively compact with an overall length of 1.2 metres, an overall width of 750mm and is just 1.74 metres high.

**Larger mast type lifts**

The new Safelift and Haulotte scissor lift are handy for a surprising number of work at height jobs, along with the top end of the low level push arounds such as the original Power Tower with a 5.1 metre working height along with the Bravi Leonardo HD and Faraone Elevah 50 Move. The 4.9 metre Bravi has a useful twin deck extension giving a maximum platform length over just over 1.7 metres and in our comparison table is the third lightest at 508kg topped by the Safelift and 5.1 metre Faraone. With a little more height, the slightly larger 12ft mast type self-propelled lifts are increasingly

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popular, including models such as the Skyjack SJ12, Snorkel TM12E, Genie GRC-12 and Haulotte Star 6 with working heights of 5.6/5.8 metres. Skyjack led the trend for higher versions with its SJ16 offering a working height of 6.8 metres, Snorkel has now joined the market with its TM16E and now Haulotte has taken it a step further, with its 20ft platform height/eight metre working height Star 8S which should be available this summer. The company also unveiled its first tracked mast type lift, the Star 6 Crawler. With its six metre working height it adds new application potential to this type of lift. Features of the new crawler include a zero

turning radius and a 400mm platform extension. Dedicated fork lift pockets make it easy to load and move the lift, while the machine has direct electric drive with brushless AC motors and Activ'Screen on-board diagnostics. It will be available from September.

**Mast booms**

If your work requires a 10 to 12 metre work with outreach, an increasingly popular alternative to industrial articulated boom lifts such as the Skyjack SJ30, Manitou 120 AETJ-C and Genie Z33/18 is the mast boom. This machine type has been very popular in its country of origin - France - but sales have



*JLG's Toucan range was first on the market - albeit under different ownership - and remains the market leader*

been growing consistently as their compact dimensions, lower weight and up and over capability prove invaluable for many industrial maintenance tasks.

While mast boom working heights range from eight and 15 metres and outreach can be as much as eight metres, the 10 metre model with around three metres outreach accounts for around 90 percent of total sales, although several manufacturers are now offering larger 12 metre units.

JLG's Toucan range was first on the market - albeit under different ownership - and remains the market leader. Its range currently runs from eight metres to the 12.6 metre T12E Plus which has an outreach of 6.7 metres at an up and over height of more than seven metres. Haulotte has also carved out a sizeable share of the market with its Star 10 which has now gained AC direct electric drive for longer battery life. Manitou has also updated its most popular model - the 10 metre 100 VJR - with a new hydraulics providing faster lift speeds, a new battery pack, new lifting lugs to make loading and unloading easier and safer

**How the Safelift and new Haulotte prototypes compare**

Make/Model	Safelift AD30	Haulotte Prototype	Bravi Leonardo HD	Skyjack SJ12	Snorkel TM12E	Haulotte Star 6	Genie GRC-12	Faraone Elevah 50 Move
Max ht	4.95m	5.0m	4.9m	5.65m	5.65m	5.8m	5.6m	5.1m
Max cap	180kg	200kg	180kg	227kg	227kg	230kg	227kg	200kg
Weight	320kg	580kg	508kg	864kg	884kg	835kg	869kg	387kg
Height	1.64m	1.8m	1.75m	1.79m	1.67m	1.75m	1.7m	1.69m
Width	760mm	700mm	739mm	770mm	760mm	790mm	800mm	760mm
Length	1.2m	1.5m	1.19m	1.37m	1.37m	1.4m	1.37m	1.02m
Platform L	760mm	1.04m	1,115 -1.71m**	850mm	960 - 1.41m*	1.38m	970 -1.4m*	760mm
Platform W	530mm	700mm	680mm	690mm	740mm	770mm	750mm	700mm

\*single deck extension

\*\*twin deck extension



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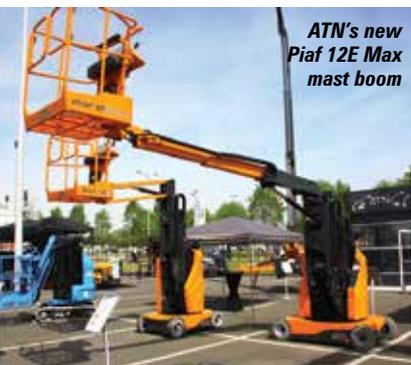
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Manitou has also updated its most popular model - the 10 metre 100 VJR

and a new counterweight design. Deliveries are expected to begin towards the end of the year.

GMG and ATN have also launched new mast booms, with ATN unveiling the 12 E Max. with a 12.65 metre working height, and just over six metres outreach at a height of 7.3 metres. It offers an 800 x 980mm platform with 200kg capacity, 352 degrees of slew and has transport dimensions of 1.2 metres wide, 1.98 metres high and chassis 1.75 metres long. Overall stowed length of 3.72 metres and the unit weighs a relatively hefty 5,140kg.



ATN's new P1af 12E Max mast boom



GMG launched its first 10 metre working height VM26-J mast boom earlier this year

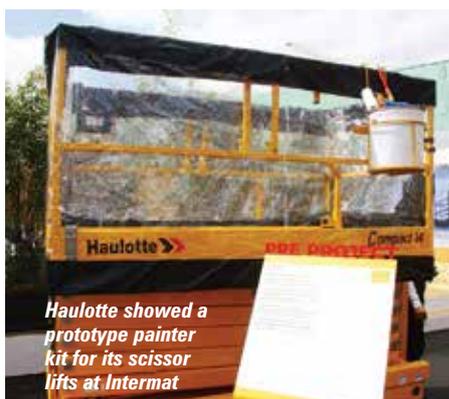


The Helix 1508 has up to eight metres of outreach at an 'up and over' height of seven metres

GMG launched its first mast boom - the 10 metre working height VM26-J - earlier this year, with direct electric drive, a heavy duty box section mast with fixed length jib with 120 degrees of articulation and outreach of 3.15 metres at a height of around six metres. With large diameter wheels, 40 percent gradeability and a passive pothole protection system, the VM26 looks like a classic 10 metre model with an overall width of 910mm, a height of just under two metres and overall weight of 2,905kg. The lift also has an automatic Smart battery charger for quick charging and comes with a two year warranty.

At the top end of the mast boom market is German manufacturer Hematec which produces the 15 metre Helix 1508 based on its well established 12 metre Helix 1205 model although neither have sold in significant numbers outside of Germany so far. This is beginning to change as the company starts to appoint distributors overseas, the most recent being Alpha Access Services in the UK earlier this month.

The Helix 1508 has up to eight metres of outreach at an 'up and over' height of seven metres, thanks to its four section telescopic jib, allowing it to reach over obstructions and even carry out work over the widest of conveyor belts or production lines. Maximum platform capacity is 200kg and overall width is just 1.2 metres - the same as most 26 and 32ft compact slab scissor



Haulotte showed a prototype painter kit for its scissor lifts at Intermat



An Airo XS7 with pipe rack

lifts - while its overall chassis length is less than such scissor lifts at 1.96 metres. One downside is that it is very heavy - the total weight being 6,500kg. Direct electric drive however provides a decent work shift duration between battery charges and plenty of gradeability.

**Attachments**

In recent years various attachments have become available from manufacturers, from tool trays and cup holders to netting, board and pipe handling racks to built-in welding kits.

One of the most interesting attachments is Bravi's Solo Gyps for its Leonardo and Bravi Lite. The Solo Gyps simplifies drywall installation by eliminating manual lifting, so that one person can do the job previously carried out by two. Using a lightweight, electric powered track and detachable adjustable frame to hold and lift sheets, the attachment allows one man to place panels without assistance. No tools are required and it is very quick. Once the job is completed, it can be easily removed from the lift. Total weight of the complete attachment is 45kg and the cradle can be adjusted to hold panels up to 3.65 metres long and weighing up to 40kg. The attachment can be adjusted to three different height positions to clear even the tallest operator and is controlled directly from the platform with a push of a button. The sheet travels up the track into



Bravi's Solo Gyps simplifies drywall installation

the overhead position holding the board in the exact location leaving the operator free to screw or nail it in place.

Haulotte showed a prototype painter kit for its scissor lifts at Intermat. The kit comprises a plastic cover that slips over the hand rails and includes a non-slip floor mat which protects the lift from paint damage, helping keep the machine looking new and maintaining its residual value. The kit also includes a tool holder for cans of paint and brushes etc.

**DRXmulti**

UK-based Aerial and Handling Services designed the DRXmulti for contractor BAM Ferrovial Kier JV, to help position rebar during the construction of a curtain wall at London's Farringdon Station. Mounted on a Genie GS2646 scissor lift, the system - which weighs 14kg - provides a safer, more efficient method of positioning the reinforcement. Each device is made up of various components and can be tailored to fit every current make and model of aerial platform from the Pop-Up/Power Tower to larger RT scissors. The DRXmulti can be configured as pipe/rebar rack but can be quickly converted into a board carrier by simply swapping the jaws for clamps and adding board cups.

Airo push around models now have the option of a variable platform allowing the full sized platform to



Two Genie GS2646 scissor lifts with the DRXmulti pipe rack

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**Haulotte**   
EQUIPMENT

accessories under its Accessoryzers brand, including board and glass handling racks, tool trays, pipe racks and fluorescent tube carriers. The light duty pipe/steel stud rack for the SJ12 and SJ16 is mounted on the outside of the platform, with a capacity of 50kg and an easy method of securing the materials. When carrying capacity is more important, Skyjack's heavy duty pipe rack attachment can be used. Mounted on the inside of the guardrails and sitting on the rear platform floor to maximise platform space, with a capacity of up to 272kg depending on the platform.

**'Lie down' platform**

Hematec unveiled an unusual 'lie down' prototype platform at Vertikal Days, aimed at solving the problem of working below platform level when using a boom lift or lift with a jib such as on a roof. The quickly fitted platform allows the operator to lie down on the platform floor with his head and arms protruding at one end. With the head supported on a 'rest' and controls moved to a handy low level location, it allows the operator to correctly position the platform and then use both hands to work underneath the basket but from the safety of the platform. The concept generated a lot of attention and it will be interesting to see a finished version in the near future.

**Non integrated work platforms**

Earlier in the article we mentioned some examples of bad practice while working at height, including the fork lift and pallet. This however does not have to be the case, with numerous companies manufacturing non



Skyjack offers a full line of attachments and accessories under its Accessoryzers brand



Hematec showed its prototype 'lie down' platform at Vertikal Days



A non integrated work platform mounted on the forks of a fork lift truck

integrated work platforms - ones without controls in the platform - that fit onto the forks where the fork lift driver operates the machine. But note that they are only intended for occasional use when it provides a safer means of access than say improvised stairs, platforms or a ladder or where it is impracticable to use a fully integrated working platform.

**Occasional use**

Regulation 7(2)(b) of the Work at Height Regulations 2005 places a duty on employers to select the most suitable work equipment for the task. Nevertheless, it is foreseeable (but unacceptable) that people will often use unsafe methods of access to work at height for occasional tasks such as being lifted by a forklift truck while standing on the forks or a pallet. To encourage safer working practices, occasional use of non-integrated working platforms with forklift trucks is allowed. However not all EU member states permit their use and as such they cannot be CE marked or sold throughout Europe. In the UK HSE Guidance states that

occasional use includes 'non-routine maintenance tasks for which it is impractical to hire purpose-built access equipment'. This might be for the replacement of light fittings in high-rise warehouses or clearing a blocked gutter if the task is not carried out as part of periodic maintenance operations. Routine or planned tasks, particularly those associated with production or pre-planned activities such as periodic maintenance or stocktaking, are not exceptional circumstances and are therefore not examples of occasional use. Non-integrated work platforms do not provide as high a level of safety as purpose-built aerial lifts and are clearly less efficient in terms of productivity. So, while the use of non-integrated work platforms is discouraged they may provide a safer form of working at height than in certain circumstances.



While the use of non-integrated work platforms is discouraged they may provide a safer form of working at height than in certain circumstances



An Airo push around with variable sized platform

be reduced to a 520mm by 520mm 'micro cage' to work in confined spaces such as through suspended ceiling openings.

Man Lift manufacturing in the States also offers the SHU - a compact, raised extension deck attachment for scissor lifts - for working in suspended ceiling spaces or between joists. However, it also offers a service to 'customise' scissor platforms to suit the application. This includes items such as a side/lateral extension deck with or without an additional side gate and a U-shaped scissor platform so that work can continue around an obstruction such as a column.

Skyjack has also been working to offer a full line of attachments and



Man Lift's SHU is a compact, raised extension deck attachment for scissor lifts

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# Rail Live 2018

Rail Live is the largest outdoor rail exhibition in Europe with about 400 exhibitors and attracting more than 4,000 visitors each year.

Held at Quinton Rail Technology Centre, Long Marston near Stratford-upon-Avon, the show has live on-track demonstrations and features the latest products and innovations in the rail sector. This year also included the rebranded National Rail Conference which changed its content and location being held for the first time at Rail Live as the National Rail Convention with a variety of speakers and topics.

This year's two day show at the end of last month featured many access related products. Here are just some of the exhibits.



Jointly developed by SRS International and CRRC Sifang of China, the Icon 10 is the larger platform version of the Icon 8



One of the National Rail Convention seminars



A Trac Engineering road-rail Mercedes Actros truck with platform



Another Platform Basket RR14 EVO, this time on the Pod-Trak stand



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SPL Powerlines also had this overhead line maintenance vehicle with 425kg platform capacity



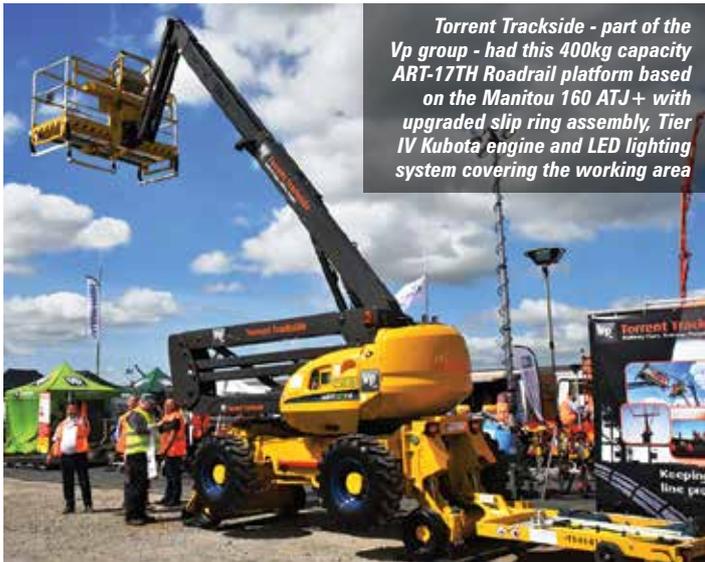
The rebranded National Rail Convention



UK Forks showed this Merlo Roto 40.30 MCSS telehandler



The Neotec Skyrailer 400 C.14



Torrent Trakside - part of the Vp group - had this 400kg capacity ART-17TH Roadrail platform based on the Manitou 160 ATJ+ with upgraded slip ring assembly, Tier IV Kubota engine and LED lighting system covering the working area



SPL Powerlines was showing this 400kg Platform Basket RR14 EVO-2/400 with a demountable height and stagger panning pantograph

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# cranes & access dealer guide

2018

Cranes  
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platforms  
Telehandlers  
Lifting gear  
Loader cranes  
Components &  
Accessories  
UK/Ireland



[www.vertikal.net](http://www.vertikal.net)

Each year we refine and update this handy source guide, complete with UK and Irish dealers and their contact details. Whenever so much data is collated and published there is the distinct possibility that errors and omissions will occur. If you spot anything that needs changing, please do not hesitate to email us at [editor@vertikal.net](mailto:editor@vertikal.net).

### HEAVY LIFT CRANES/EQUIPMENT

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

### MOBILE CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Altec	USA	Aldercote	01482 222377	Aldercote	+44 1482 222377	<a href="http://www.aldercote.com">www.aldercote.com</a>
Bailey Cranes	USA	Direct	+1 262 710 4028	Direct	+1 262 710 4028	<a href="http://www.baileycranes.com">www.baileycranes.com</a>
Bencini - Cams	Italy	No Distribution	+378 0549 988111	No Distribution	+378 0549 988111	<a href="http://www.camsind.com">www.camsind.com</a>
Broderson	USA	Direct	+1 913 888 0606	Direct	+1 913 888 0606	<a href="http://www.bmccranes.com">www.bmccranes.com</a>
Demag	Germany/USA	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	<a href="http://www.terex.com">www.terex.com</a>
EuroRigo	Italy	Direct	+39 04568 61500	Direct	+39 04568 61500	<a href="http://www.rigo.com">www.rigo.com</a>
Franma	Australia	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	<a href="http://www.terex.com">www.terex.com</a>
Galizia	Italy	GGR Group	01844 202071	GGR Group	+44 1844 202071	<a href="http://www.ggrgroup.com">www.ggrgroup.com</a>
Grove	Germany/USA	Manitowoc UK	01280 818830	Irlequip	+353 9064 48877	<a href="http://www.manitowoc.com">www.manitowoc.com</a>
Hidrokon	Turkey	No Dealer	+332 444 88 11	No Dealer	+332 444 88 11	<a href="http://www.hidrokon.com">www.hidrokon.com</a>
Hematec	Germany	Alfa Access Services	0800 193 0045	Alfa Access Services	+44 8001 930 045	<a href="http://www.alfa-access-services.com">www.alfa-access-services.com</a>
Hooka	UK	Hook-Up Solutions	01462 499642	Hook-Up Solutions	+44 1462 499642	<a href="http://www.hookup-solutions.com">www.hookup-solutions.com</a>
Horyong	South Korea	Direct	+82 63 540 5555	Direct	+82 63 540 5555	<a href="http://www.horyong.co.kr">www.horyong.co.kr</a>
JMG	Italy	Seeking Dealer	+39 0523 8486	Direct	+39 0523 8486	<a href="http://www.jmgcranes.it">www.jmgcranes.it</a>
Kato	Japan	Rivertek Services	01543 685161	Rivertek Services	02143 85342	<a href="http://www.rivertekservices.com">www.rivertekservices.com</a>
Liebherr	Germany	Liebherr GB	01767 602100	Liebherr GB	+353 458 7650	<a href="http://www.liebherr.co.uk">www.liebherr.co.uk</a>
Lift Systems	USA	Claxton International	01244 661000	Claxton International	+44 1244 661000	<a href="http://www.claxtoninternational.co.uk">www.claxtoninternational.co.uk</a>
Lige	Italy	Direct	+39 0523 8486	Direct	+39 0523 8486	<a href="http://www.jmgcranes.it">www.jmgcranes.it</a>
Link-Belt	USA	NRC Plant	01375 361616	NRC Plant	+44 1375 361616	<a href="http://www.nrcplant.co.uk">www.nrcplant.co.uk</a>
Locatelli	Italy	No Dealer	+390 3549 45066	No Dealer	+39 035 494 5066	<a href="http://www.locatellcrane.eu">www.locatellcrane.eu</a>
Manitex	USA	No Dealer	+1 512 942 3000	No Dealer	+1 512 942 3000	<a href="http://www.manitex.com">www.manitex.com</a>
Marchetti	Italy	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	<a href="http://www.agd-equipment.co.uk">www.agd-equipment.co.uk</a>
Ormig	Italy	Crowland Cranes	01733 210561	Crowland Cranes	+44 1733 210561	<a href="http://www.crowlandcranes.com">www.crowlandcranes.com</a>
Rigo	Italy	Direct	+390 4568 61500	Direct	+390 4568 61500	<a href="http://www.rigo.com">www.rigo.com</a>
Sany	Austria	Palfinger Sany	+43 662 46840	Palfinger Sany	+43 662 46840	<a href="http://www.palfinger-sany.com">www.palfinger-sany.com</a>
Sennebogen	Germany	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	<a href="http://www.agd-equipment.co.uk">www.agd-equipment.co.uk</a>
Spierings	Holland	Spierings Kranen	+31 4126 97777	Spierings Kranen	+31 4126 97777	<a href="http://www.spieringskranen.nl">www.spieringskranen.nl</a>
Tadano	Germany/Japan	Tadano UK	0870 066 5466	Tadano UK	+44 870 066 5466	<a href="http://www.tadano.co.uk">www.tadano.co.uk</a>
Terex	Germany/USA	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	<a href="http://www.terex.com">www.terex.com</a>
Valla	Italy	Hird	01482 227333	Hird	+44 1482 227333	<a href="http://www.hird.co.uk">www.hird.co.uk</a>
WorldPower	Turkey	Direct	+90 5413 712932	Direct	+90 5413 712932	<a href="http://www.worldpower.com.tr">www.worldpower.com.tr</a>
XCMG	China	Direct	0086 516 87739218	Direct	0086 516 87739218	<a href="http://www.xcmg.com">www.xcmg.com</a>
Zee Crane	USA	Direct	+1 800 698 8388	Direct	+1 800 698 8388	<a href="http://www.zee Crane.com">www.zee Crane.com</a>
Zoomlion	China	Crowland Cranes	01733 210561	Crowland Cranes	+44 1733 210561	<a href="http://www.crowlandcranes.com">www.crowlandcranes.com</a>

### CRAWLER CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Fushun	China	Direct	+36 1584 131 3033	Direct	+36 1584 131 3033	<a href="http://www.cnfuwa.com">www.cnfuwa.com</a>
Fuwa	China	Direct	+36 1584 131 3033	Direct	+36 1584 131 3033	<a href="http://www.cnfuwa.com">www.cnfuwa.com</a>
Hitachi-Sumitomo	Japan	NRC Plant	01375 361616	NRC Plant	+44 1375 361616	<a href="http://www.nrcplant.co.uk">www.nrcplant.co.uk</a>
IHI	Japan	AGD Equipment	01789 292227	Rivertek Services	0 214 385342	<a href="http://www.agd-equipment.co.uk">www.agd-equipment.co.uk</a>
Jekko	Italy	JT Cranes	01767 677155	JT Cranes	+44 1767 677155	<a href="http://www.jtcranes.co.uk">www.jtcranes.co.uk</a>
Kiesel	Denmark	Direct	+45 24 44 86 88	Direct	+45 24 44 86 88	<a href="http://www.kiesel.dk">www.kiesel.dk</a>
Kobelco	Japan	Kobelco Cranes Europe	01342 301122	Kobelco Cranes Europe	+44 1342 301122	<a href="http://www.kobelco-cranes.com">www.kobelco-cranes.com</a>
Komac	South Korea	Direct	+82 2761 0880	Direct	+82 2761 0880	<a href="http://www.komac.co.kr">www.komac.co.kr</a>
Liebherr	Germany	Liebherr GB	01767 602100	Liebherr GB	0458 76 50	<a href="http://www.liebherr.co.uk">www.liebherr.co.uk</a>
Link-Belt	USA	NRC Plant	01375 361616	NRC Plant	+44 1375 361 616	<a href="http://www.nrcplant.co.uk">www.nrcplant.co.uk</a>
Maeda	Japan	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	<a href="http://www.kranlyft.co.uk">www.kranlyft.co.uk</a>
Mait	Italy	AGD Equipment	01789 292227	AGD Equipment	01789 292227	<a href="http://www.agd-equipment.co.uk">www.agd-equipment.co.uk</a>
Manitowoc	USA	Manitowoc UK	01280 818830	Manitowoc UK	+441280 818830	<a href="http://www.manitowoc.com">www.manitowoc.com</a>
Mantis	USA	Tadano UK	0870 066 5466	Tadano UK	+44 870 066 5466	<a href="http://www.tadano.co.uk">www.tadano.co.uk</a>
Marchetti	Italy	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	<a href="http://www.agd-equipment.co.uk">www.agd-equipment.co.uk</a>
Sany	China	Sany Europe	+49 2272 905 31100	Sany Europe	+49 2272 905 31100	<a href="http://www.sanyeurope.com">www.sanyeurope.com</a>
Sennebogen	Germany	AGD Equipment	01789 292227	AGD Equipment	+44 1789 292227	<a href="http://www.agd-equipment.co.uk">www.agd-equipment.co.uk</a>
Sunward	China	GGR Group	01844 202071	GGR Group	+44 1844 202071	<a href="http://www.ggrgroup.com">www.ggrgroup.com</a>
TCM	Italy	Direct	+39 0875 752076	Direct	+39 0875 752076	<a href="http://www.tcmsrl.net">www.tcmsrl.net</a>
Terex	Germany	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	<a href="http://www.terex.com">www.terex.com</a>
XCMG	China	Direct	0086 516 87739218	Direct	0086 516 87739218	<a href="http://www.xcmg.com">www.xcmg.com</a>
Zoomlion	China	Crowland Cranes	01733 210561	Crowland Cranes	+44 1733 210561	<a href="http://www.crowlandcranes.com">www.crowlandcranes.com</a>

### TOWER CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Artic Cranes	Sweden	City Lifting	01708 805550	City Lifting	+44 1708 805550	<a href="http://www.citylifting.co.uk">www.citylifting.co.uk</a>
Benazzato	Italy	Rossa Consulting	020 8528 1411	Rossa Consulting	+44 20 8528 1411	<a href="http://www.rossainternational.com">www.rossainternational.com</a>
Cattaneo	Italy	Weaving Machinery	01386 49155	Weaving Machinery	+44 1386 49155	<a href="http://www.weavingmachinerycranes.net">www.weavingmachinerycranes.net</a>
Cinomatic	Italy	Wanted	+39 3412 81961	Wanted	+39 3412 81961	<a href="http://www.cinomatic.com">www.cinomatic.com</a>
Clever Crane	Italy	Wanted	+39 2908 48689	Wanted	+39 2908 48689	<a href="http://www.gelcogru.com">www.gelcogru.com</a>
Cobra	Switzerland	Direct	+41 2667 51530	Direct	+41 2667 51530	<a href="http://www.cobra-crane.com">www.cobra-crane.com</a>
Comansa	Spain	City Lifting	01708 805550	City Lifting	+44 1708 805550	<a href="http://www.citylifting.co.uk">www.citylifting.co.uk</a>
Comansa (Comedil) Terex	Spain	Trident Lifting Solutions	0203 367 2363	Trident Lifting Solutions	+44 20336 72363	<a href="http://www.tridentliftingsolutions.co.uk">www.tridentliftingsolutions.co.uk</a>
FB Gru	Italy	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	<a href="http://www.terex.com">www.terex.com</a>
FM Gru	Italy	Crane Hire East Anglia	02077 949494	Northern Lift Trucks	+28 9267 3111	<a href="http://www.cranehireeastanglia.co.uk">www.cranehireeastanglia.co.uk</a>
Gelco Clever Crane	Italy	Mantis Cranes	0845 3098158	Mantis Cranes Ireland	07491 49981	<a href="http://www.mantiscranes.ie">www.mantiscranes.ie</a>
GP Autolift	Italy	Wanted	+39 290 848 689	Wanted	+39 290 848 689	<a href="http://www.gelcogru.com">www.gelcogru.com</a>
Jaso	Spain	Direct	+39 0331 1820275	Direct	+39 0331 1820275	<a href="http://www.gpautolift.com">www.gpautolift.com</a>
Jost	Germany	Falcon Tower Crane Services	01362 821048	Falcon Tower Crane Services	+44 1362 821048	<a href="http://www.falconcranes.co.uk">www.falconcranes.co.uk</a>
Kroll Cranes	Denmark	London Tower Cranes	+44 (20) 8953 7800	London Tower Cranes	+44 (20) 8953 7800	<a href="http://www.londontowercranes.co.uk">www.londontowercranes.co.uk</a>
Liebherr	Germany	Direct	+45 4818 7400	Direct	+45 4818 7400	<a href="http://www.krollcranes.dk">www.krollcranes.dk</a>
Lux Cranes	Germany	Liebherr GB	01767 602100	Liebherr GB	0458 76 50	<a href="http://www.liebherr.co.uk">www.liebherr.co.uk</a>
Mantis	Germany	MTI-Lux SA	+352 2674 5480	MTI-Lux SA	+352 2674 5480	<a href="http://www.mti-lux.com">www.mti-lux.com</a>
Mantis	Ireland	Mantis Cranes	0845 3098158	Mantis Cranes Ireland	07491 49981	<a href="http://www.mantiscranes.ie">www.mantiscranes.ie</a>
Montarent	Netherlands	Direct	+31 (0) 251 218 188	Direct	+31 (0) 251 218 188	<a href="http://www.montarent.nl">www.montarent.nl</a>
MTI	Germany	MTI-Lux SA	+352 2674 5480	MTI-Lux SA	+352 2674 5480	<a href="http://www.mti-lux.com">www.mti-lux.com</a>
Potain top slew	France	Manitowoc UK	01280 818830	Electogen	01825 1644	<a href="http://www.potain.com">www.potain.com</a>
Potain self erectors	France	Ladybird Crane Hire	01527 889889	Electogen	01825 1644	<a href="http://www.potain.com">www.potain.com</a>
Raimondi	Italy	Bennetts Cranes	01453 811754	Irish Crane and Lifting	0643 3722	<a href="http://www.tower-crane.co.uk">www.tower-crane.co.uk</a>
Saez	Spain	Direct	+34 968 102 884	Direct	+34 968 102 884	<a href="http://www.gruassaez.com">www.gruassaez.com</a>
San Marco	Italy	Direct	+39 032 282 601	Direct	+39 032 282 601	<a href="http://www.sanmarco-int.com">www.sanmarco-int.com</a>
Spierings Mobile Cranes	Netherlands	Direct	+31 4126 97777	Spierings Kranen	+31 4126 97777	<a href="http://www.spieringscranes.com">www.spieringscranes.com</a>
Terex	Germany	Terex Cranes UK	01844 203770	Terex Cranes UK	+44 1844 203770	<a href="http://www.terex.com">www.terex.com</a>
Vicario	Italy	Kevin Guy Plant Hire	01282 861166	Kevin Guy Plant Hire	+44 1282 861166	<a href="http://www.kevinguyplantire.com">www.kevinguyplantire.com</a>
Wolffkran	Germany	HTC Wolffkran	01709 559668	HTC Wolffkran	+44 1709 559668	<a href="http://www.htcplant.com">www.htcplant.com</a>
Yongmao	China	London Tower Cranes	020 8953 7800	London Tower Cranes	+44 20 8953 7800	<a href="http://www.londontowercranes.co.uk">www.londontowercranes.co.uk</a>
Zoomlion	China	Direct	0086 731 88997340	Direct	0086 731 88997340	<a href="http://en.zoomlion.com">en.zoomlion.com</a>

## SPIDER CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Benelli Gru	Italy	Direct	+39 522 969 756	Direct	+39 522 969 756	www.benelligr.it
BG Lift	Italy	Direct	+39 045 626 0100	Direct	+39 045 626 0100	www.bglift.com
Böcker	Germany	Böcker UK	01384 476580	Böcker UK	+44 1384 476580	www.boecker-group.com/uk
Brennero Gru	Italy	Direct	+39 335 5763906	Direct	+39 335 5763906	www.brennerogru.it
Cormidi	Italy	GGR Group	01844 202071	GGR Group	+44 1844 202071	www.ggrgroup.com
Hoeflon	Holland	Direct	+31 342 400 288	Direct	+31 342 400 288	www.hoeflon.nl
Jekko	Italy	JT Cranes	01767 677155	JT Cranes	+44 1767 677155	www.jtcranes.co.uk
Kegiom	Italy	No Dealer	+39 0143 822 031	No Dealer	+39 0143 822 031	www.kegiom.com
Kiesel	Denmark	Direct	+45 24 44 86 88	Direct	+45 24 44 86 88	www.kiesel.dk
Maeda	Japan	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Palazzani	Italy	TCA Lifting	0845 603 5360	TCA Lifting	+44 845 603 5360	www.poweredaccess.com
Penny Hydraulics	UK	Penny Hydraulics	01246 811475	Penny Hydraulics	+44 1246 811475	www.pennyhydraulics.com
Reedyk	Holland	Promax Access	01226 716657	Promax Access	+44 1226 716657	www.promaxaccess.com
Riebsamen	Germany	No Dealer	+49 7582 791	No Dealer	+49 7582 791	www.riebsamen.de
R&B Engineering	Japan	Direct	+81 3919 2218	Direct	+81 3919 2218	www.rbe.co.jp
UNIC	Japan	GGR Group	01844 202071	GGR Group	+44 1844 202071	www.ggrgroup.com
Van Bouwel	Belgium	Direct	+32 3369 6981	Direct	+32 3369 6981	www.vanbouwel-kranen.be

## LOADER CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Amco Veba	Italy	Tip N Lift	01473 747222	Tip N Lift	+44 1473 747222	www.tipnlift.co.uk
Atlas	Germany	Atlas Cranes UK	08444 996688	Sleator Plant	+44 2890 844251	www.atlas-cranes.co.uk
Benelli Gru	Italy	Direct	+39 522 969 756	Direct	+39 522 969 756	www.benelligr.it
Cargotec/Hiab	Sweden	Hiab UK	01691 623100	Cahir House Machinery	05274 41300	www.hiab.com
Co.M.eT	Italy	Co.M.eT UK	01944 363088	Co.M.eT UK	+44 1944 363088	www.cometuk.com
Copma	Italy	Wanted	+39 0546 653 711	Wanted	+39 0546 653 711	www.copma-cranes.com
Cormach	Italy	Ernest Doe & Sons	01206 871881	Hydraweld	01458 0402	www.ernestdoe.com
Cranab	Sweden	Clark Engineering	01387 860241	Clark Engineering	+44 1387 860241	www.clark-engineering.com
Effer	Italy	Martin Williams Hull	01482 897607	Lambe Engineering	05793 55736	www.martinwilliamshull.co.uk
Effer Marine	Italy	Preferred Marine Cranes	01467 632975	Preferred Marine Cranes	+44 1467 632975	www.preferredmarine.com
Fassi	Italy	Fassi UK	01926 889779	Fassi UK	+44 1926 889779	www.fassi.com
Ferrari	Italy	Direct	+39 0522 486 311	Direct	+39 0522 486 311	www.fliferrari.it
GAL	Greece	Seeking Dealer	+302 3107 66980	Seeking Dealer	+302 3107 66980	www.gal.gr
Hiab	Sweden	Hiab UK	01691 623100	Cahir House Machinery	05274 41300	www.hiab.com
Hidrokon	Turkey	Direct	+332 444 88 11	Direct	+332 444 88 11	www.hidrokon.com
HMF	Denmark	HMF UK	01733 558145	HMF UK	+44 1733 558145	www.hmf.dk
Horyong	South Korea	Direct	+82 63 540 5555	Direct	+82 63 540 5555	www.horyong.co.kr
Hüffermann	Germany	Direct	+49 4431 94555235	Direct	+49 4431 94555235	www.hueffermann-crane-trading.com
Hyva	Holland	Hyva UK	0161 776 6600	Hyva UK	+44 161 776 6600	www.hyva.co.uk
Kennis	Holland	Hyva UK	0161 776 6600	Hyva UK	+44 161 776 6600	www.hyva.co.uk
KLM	Italy	Bluelift	+39 5417 56872	Bluelift	+39 5417 56872	www.bluelift.it
Marchesi	Italy	Tip N Lift	01473 747222	Tip N Lift	+44 1473 747222	www.tipnlift.co.uk
Maxilift	Italy	Ernest Doe & Sons	01206 871881	Direct	+39 0522 963 039	www.ernestdoe.com
MKG	Germany	Truck Hyd. Services	01530 510101	MKG	+49 421 321 406	www.mkg-export.com
Next Hydraulics	Italy	Ernest Doe & Sons	01206 871881	Direct	+39 0522 963 039	www.ernestdoe.com
Palfinger	Austria	Palfinger UK	01380 722381	Palfinger Ireland	05793 52525	www.palfinger.co.uk
Penny Hydraulics	UK	Penny Hydraulics	01246 811475	Penny Hydraulics	+44 1246 811475	www.pennyhydraulics.com
Pesci	Italy	HCM Hydraulics	01639 711345	HCM Hydraulics	+44 1639 711345	www.hcm.uk.com
PM	Italy	Central Hydraulic Loaders	01827 283344	Joseph Bennett and Sons	05786 25245	www.pmcraresuk.co.uk
Smart Crane	Italy	TCM	+39 0875 752076	TCM	+39 0875 752076	www.tcmsrl.net
Tirre	Germany	Harsh UK	01759 372100	Harsh UK	+44 1759 372100	www.harshuk.com
Toimil	Spain	Coastal Hydraulics	+353 87 225 1525	Coastal Hydraulics	087 225 1525	www.toimilgruas.com
WorldPower	Turkey	Direct	+90 5413 712932	Direct	+90 5413 712932	www.worldpower.com.tr

## TRAILER/ALUMINIUM CRANES

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Böcker	Germany	Böcker UK	01384 476580	Böcker UK	+44 1384 476580	www.boecker-group.com/uk
Emminghaus	Germany	Direct	+49 5264 64640	Direct	+49 5264 64640	www.emminghaus.de
Klaas	Germany	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Paus	Germany	Hoist and Crane Services	02036 379527	Hoist and Crane Services	+44 20363 79527	www.hoistandcrane.co.uk
Paus (elevator hoists)	Germany	Hoist and Crane Services	02036 379527	Hoist and Crane Services	+44 20363 79527	www.hoistandcrane.co.uk

**11,00 m** (Reach)  
**300 KG** (Capacity)  
**17,70 m** (Height)  
**700°** (Rotation)  
**H + H** (Configuration)  
**for Site 18T**

**www.sogage.it**

**SOGAGE**  
 PIATTAFORME AEREE DA 10 A 75 METRI

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## VEHICLE MOUNTED LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
ACM	Australia	Seeking Dealer	+61 3 9357 7524	Seeking Dealer	+61 3 9357 7524	www.australiancrane.com.au/
Ascendant Access	UK	SkyKing	01480 891251	Direct	+44 191 4879933	www.skyking.co.uk
Aldercote	UK	APS	01480 891251	APS	+44 1480 891251	www.aldercote.com
Altec	USA	Aldercote	01482 222377	Aldercote	+44 1482 222377	www.aldercote.com
Anderson Hydra Platforms	USA	Direct	001803 366 8195	Direct	001803 366 8195	www.inspectabridge.com
Barin	Italy	Direct	+39 4959 71300	Direct	+39 4959 71300	www.barin.it
Benelli gru	Italy	Direct	+39 522 969756	Direct	+39 522 969756	www.benelligru.it
Bizzocchi	Italy	CTE UK	01162 866743	CTE UK	+44 1162 866743	www.ctelif.com
Böcker	Germany	Böcker UK	01384 476580	Böcker UK	+44 1384 476580	www.boecker-group.com/uk
Bronto Skylift	Finland	Ian James	07884 497267	Ian James	+44 7884 497267	www.bronto.fi
Bronto Fire Platforms	Finland	Angloco	01924 441212	Angloco	+44 1924 441212	www.angloco.co.uk
Cautrac	UK	Direct	01206 273111	Direct	+44 1206 273111	www.cautrac.com
Cela	Italy	MEWPS Scotland	0141 775 1790	Direct	+39 3098 84084	www.mewpsscotland.co.uk
CMC	Italy	Spiderlift	08702 255554	Spiderlift	+44 8702 255554	www.spiderlift.co.uk
Co.M.eT	Italy	Co.M.eT UK	01944 363088	Co.M.eT UK	+44 1944 363088	www.cometuk.com
CTE	Italy	CTE UK	01162 866743	CTE UK	+44 1162 866743	www.ctelif.com
Cushman	USA	Direct	+1 7067 984311	Direct	+1 7067 984311	www.cushman.com
Easy Lift	Italy	Direct	+39 3355 669219	Direct	+39 3355 669219	www.easy-lift.it
France Elevateur	France	Utility Equipment	0161 850 0456	Utility Equipment	+44 161 850 0456	www.utility-equipment.com
GSR	Italy	GSR UK	07436 301355	GSR UK	+44 7436 301355	www.gsrspa.it
Horyong	South Korea	Direct	+82 63 540 5555	Direct	+82 63 540 5555	www.horyong.co.kr
Isoli	Italy	SkyKing	01480 891251	Direct	+39 049 9438611	www.skyking.co.uk
Klaas	Germany	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Klubb	France	CPL	01536 529876	CPL	+44 1536 529879	www.cumberlanduk.co.uk
Movex	Spain	Seeking Dealer	+34 9384 93777	Seeking Dealer	+34 9384 93777	www.movexlift.com
Multitel-Pagliero	Italy	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Niftylift	UK	Niftylift	01908 223456	Niftylift	+44 1908 223456	www.niftylift.com
Nostolift	Finland	Direct	+358 4002 44040	Direct	+358 4002 44040	www.nostolift.fi
Oil&Steel	Italy	Urban Access	01202 593411	Cherry Picker	+353 1835 4788	www.urban-access.co.uk
Pagliero	Italy	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Palfinger Platforms	Germany	SkyKing	01858 467361	SkyKing	+44 1858 467361	www.kingtrailers.co.uk
Palfinger Platforms Italia	Italy	CPL	01536 529876	CPL	+44 1536 529879	www.cumberlanduk.co.uk
Ruthmann	Germany	Access Sales International	08718 714284	Access Sales International	+44 8718 714284	www.asonline.co.uk
Sky Aces	Italy	SkyKing	01858 467361	SkyKing	+44 1858 467361	www.kingtrailers.co.uk
SkyKing	UK	Direct	01858 467361	Direct	+44 1858 467361	www.kingtrailers.co.uk
Socage	Italy	Direct	+39 0599 121211	Direct	+39 0599 121211	www.socage.it
Talleres Veilla	Spain	Seeking Dealer	+34 9384 93777	Seeking Dealer	+34 9384 93777	www.movexlift.com
Tecchio	Italy	Wanted	+39 4299 0648	Wanted	+39 4299 0648	www.tecchiosrl.com
Terex Utilities	USA	CPL	01536 529876	CPL	+44 1536 529 876	www.cumberlanduk.co.uk
Teupen	Germany	Alfa Access Services	0800 193 0045	Alfa Access Services	+44 8001 930045	www.alfa-access-services.com
Versalift	UK	Versalift UK	01536 721010	Versalift UK	+44 1536 721010	www.versalift.co.uk

## SCISSOR LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
AB Lift	Germany	Collé Rental & Sales	+31 (0) 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.colle.eu
Access-Zipper	UK	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Aichi	Japan	Aichi Sales Office BV	+31 162 431543	Aichi Sales Office BV	+31 162 431543	www.aichi.eu
Airo	Italy	Aerial & Handling Services	01737 844896	Aerial & Handling Services	+44 1737 844896	www.aerialhandlingservices.com
Alarina	Spain	Direct	+34 950 315643	Direct	+34 950 315643	www.alarina.es
Almac	Italy	Direct	+44 7712 128610	Direct	+44 7712 128610	www.almac-italia.com
ATN	France	Direct	+33 553 798 320	Direct	+33 553 798 320	www.atnplatforms.com
Bravi	Italy	Direct	+39 071 7819090	Direct	+39 071 7819090	www.bravi-platforms.com
Custom Equipment	USA	Collé Rental & Sales	+31 (0) 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.colle.eu
Dingli	China	Dingli UK	07794 052601	Dingli UK	+44 7794 052601	www.dingliplatformsales.co.uk
Eazzi Lift	UK	R2 Access Platforms	07799 118462	R2 Access Platforms	+44 7799 118 462	www.r2access.com
Eddielift	UK	Edmolift	01440 730640	Edmolift	+44 1440 730640	www.edmolift.co.uk
Edmolift	UK	Edmolift	01440 730640	Edmolift	+44 1440 730640	www.edmolift.co.uk
ELS Makine	Turkey	Direct	+90 224 241 30 90	Direct	+90 224 241 30 90	www.elslift.com
Genie	USA	Genie UK	014765 84333	Genie Europe	+44 14765 84333	www.genielift.co.uk
GMG	USA/Netherlands	Russon Access	07725 567870	Russon Access	+44 (7725) 567870	www.globalmachineryinc.com
Goman	China	Direct	+86 2784 855127	Direct	+86 2784 855127	www.gomanlift.cn
HAB	Germany	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.colle.eu
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Holland Lift	Holland	AJ Access	01291 421155	AJ Access	+44 1291 421155	www.accessplatforms.com
Hy-Brid	USA	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.colle.eu
Iteco/Imer	Italy	Direct	+39 0577 973457	Direct	+39 0577 973457	www.imergroup.com
JCB	UK	JCB	01889 590312	JCB	+44 1889 590312	www.jcb.co.uk
JLG	USA/Belgium	JLG Industries	01616 541000	Access Platform Sales	+44 1480 891251	www.jlgeurope.com
JCHI	China	Wanted	+86 10615 39210	Wanted	+86 10615 39210	www.jchic.com
Kreitzler	Germany	Direct	+49 23026 98418	Direct	+49 23026 98418	www.kreitzler.de
Leguan	Finland	Central Platform Services	01977 643 595	Central Platform Services	+44 1977 643595	www.cpslift.com
LGMG - Lingong	China	Dealer wanted	+86 531 8166 6372	Dealer wanted	+86 531 8166 6372	en.lgm.com.cn
Liftlux	Belgium	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
Manitou	France	Manitou UK	01202 825331	Manitou UK	+44 1202 825331	www.uk.manitou.com
Mantall	China	Wanted	+86 133 8390 5158	Wanted	+86 133 8390 5158	www.mantall.com
MEC	USA	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Mieve	Spain	Direct	+34 9798 08036	Direct	+34 9798 08036	www.mieve.es
Nagano	Japan	Kemp Hoogwerkers	+31 30669 1091	Kemp Hoogwerkers	+31 30669 1091	www.kemphoogwerkers.nl
Noblift	China	Noblift Europe	+49 9401 607930	Noblift Europe	+49 9401 607930	www.noblifteurope.com
Omega	Holland	Direct	+31 174 525990	Direct	+31 1745 25990	www.omegaplatforms.nl
Oxley Group	Italy	Direct	+39 171 857036	Direct	+39 1718 57036	www.oxley.es
PB Lifttechnik	Germany	Russon Access	01384 444630	Russon Access	+44 1384 444630	www.russonaccess.com
PLE	UK/USA	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Pop-Up Products	UK	Pop-Up Products	01244 833933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Power Towers	UK	Power Towers	01162 001757	Power Towers	+44 1162 001757	www.powertowers.co.uk
Safelift	Sweden	Direct	+46 8 559 222 94	Direct	+46 8 559 222 94	www.safelift.se
Sinoboom	China	Seeking Dealer	+86 731 8711 6222	Seeking Dealer	+86 731 8711 6222	www.sinoboom.com
Skyjack	Canada	Skyjack UK	01691 676235	Skyjack UK	+44 1691 676235	www.skyjack.com
Snorkel	UK/USA	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Tadano	Germany	Not distributed	+81 33621 7750	Not distributed	+81 33621 7750	www.tadano.com
Youngman	Taiwan	Youngman/APS	01621 745900	Youngman/APS	+44 1480 891251	www.iapsgroup.com

## TRAILER MOUNTED LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Bil-Jax	USA	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Böcker	Germany	Böcker UK	01384 476580	Böcker UK	+44 1384 476580	www.boecker-group.com/uk
Co.M.eT	Italy	Co.M.eT UK	01944 363088	Co.M.eT UK	+44 1944 363088	www.cometuk.com
Custers	Holland	Hi-Lift Access	01623 474154	Hi-Lift Access	+44 1623 474 154	www.hi-lift.co
Denka	Germany	Rothlehner	+49 8724 96010	Rothlehner	+49 8724 96010	www.rothlehner.de
Dinolift	Finland	Central Platform Services	01977 643 595	Central Platform Services	+44 1977 643595	www.cpslift.com
Emminghaus	Germany	Direct	+49 5264 64640	Direct	+49 5264 64640	www.emminghaus.de
Europelift	Hungary	Direct	+36 209 474767	Direct	+36 209 474767	www.europelift.com
Genie	USA	Genie UK	014765 84333	Genie Europe	+44 14765 84333	www.genielift.co.uk
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
JLG	USA/Belgium	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
Klaas	Germany	Kranlyft UK	01179 826661	Kranlyft UK	+44 1179 826661	www.kranlyft.co.uk
Matilsa	Spain	Hi-Lift Access	01623 474154	Seeking Dealers	+34 976 294547	www.matilsa.es
Niftylift	UK	Niftylift	01908 223456	Niftylift	+44 1908 223456	www.niftylift.com
Ommelift	Denmark	Ommelift UK	+45 7534 1300	Ommelift Ireland	+45 7534 1300	www.ommelift.com
Paus	Germany	Hoist and Crane Services	02036 379527	Hoist and Crane Services	+44 20363 79527	www.hoistandcrane.co.uk
PLE	USA	Direct	+1 605 763 2945	Direct	+1 605 763 2945	www.portableliftequipment.com
Snorkel	UK/USA	Snorkel UK	0845 1550 057	Snorkel	0845 1550 057	www.snorkellifts.co.uk
Teupen	Germany	Alfa Access Services	0800 193 0045	Alfa Access Services	+44 8001 930045	www.alfa-access-services.com

## SELF-PROPELLED BOOM LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Aichi	Japan	Aichi Sales Office BV	+31 162 431543	Aichi Sales Office BV	+31 162 431543	www.aichi.eu
Airo	Italy	Aerial & Handling Services	01737 844896	Aerial & Handling Services	+44 1737 844896	www.aerialandhandlingservices.com
ATN	France	Direct	+33 553 798 320	Direct	+33 553 798 320	www.atnplatforms.com
Catamount	Netherlands	Direct	+31 85 486 1320	Direct	+31 85 486 1320	www.catamount.nl
Cautrac	UK	Direct	01206 273111	Direct	+44 1206 273111	www.cautrac.com
Custers	Netherlands	Direct	+31 47855 3000	Direct	+31 47855 3000	www.custers.nl
Dingli	China	Dingli UK	07794 052601	Dingli UK	+44 7794 052601	www.dingliplatformsales.co.uk
Dinolift	Finland	Central Platform Services	01977 643 595	Central Platform Services	+44 1977 643595	www.cpslift.com
ELS Makine	Turkey	Direct	+90 224 241 30 90	Direct	+90 224 241 30 90	www.elslift.com
Genie	USA	Genie UK	014765 84333	Genie Europe	+44 14765 84333	www.genielift.co.uk
HAB	Germany	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.colle.eu
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Hematec	Germany	Direct	+49 351 8975 500	Direct	+49 351 8975 500	www.hematec-arbeitsbuehnen.de
Imer	Italy	Direct	+39 0577 973457	Direct	+39 0577 973457	www.imergroup.com
JCB	UK	JCB	01889 590312	JCB	+44 1889 590312	www.jcb.co.uk
JLG	USA/Belgium	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
JCHI	China	Wanted	+86 10615 39210	Wanted	+86 10615 39210	www.jchic.com
Kreitzler	Germany	Direct	+49 23026 98418	Direct	+49 23026 98418	www.kreitzler.de
Leguan	Finland	Central Platform Services	01977 643 595	Central Platform Services	+44 1977 643595	www.cpslift.com
Lehmann	Germany	Wanted	+49 351 854 040	Wanted	+49 351 854 040	www.lehmann.lifte.de
Manitou	France	Manitou UK	01202 825331	Manitou UK	+44 1202 825331	www.uk.manitou.com
Matlisa	Spain	Hi-Lift Access	01623 474154	Wanted	+34 976 294547	www.matlisa.es
Mantall	China	Wanted	0513-8390 5158	Wanted	+44 513-8390 5158	www.mantall.com
MEC	USA	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Mecaplus	Spain	No Dealer	+39 974 435126	No Dealer	+39 974 435126	www.mecaplus.es
Mieve	Spain	Direct	+34 9798 08036	Direct	+34 9798 08036	www.mieve.es
Nagano	Japan	Kemp Hoogwerkers	+31 30669 1091	Kemp Hoogwerkers	+31 30669 1091	www.kemphoogwerkers.nl
Niftylift	UK	Niftylift	01908 223456	Niftylift	+44 1908 223456	www.niftylift.com
Nostolift	Finland	Direct	+358 4002 44040	Direct	+358 4002 44040	www.nostolift.fi
PB Lifttechnik	Germany	Russon Access	01384 446630	Russon Access	+44 1384 446630	www.russonaccess.com
Platform Basket	UK	Promax Access	01226 716657	Promax Access	+44 1226 716657	www.promaxaccess.com
Power Towers	Italy	Power Towers	01162 001757	Power Towers	+44 1162 001757	www.powertowers.co.uk
Riwal	Netherlands	Riwal UK	0844 335 2993	Riwal UK	+44 844 335 2993	www.riwal.com
Sinoboom	China	Seeking Dealer	+86 731 8711 6222	Seeking Dealer	+86 731 8711 6222	www.sinoboom.com
Skyjack	Canada	Skyjack UK	01691 676235	Skyjack UK	+44 1691 676235	www.skyjack.com
Snorkel	UK/USA	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Tadano	Japan	Not distributed	+81 33621 7750	Not distributed	+81 33621 7750	www.tadano.com
Toucan	France	JLG Industries UK	01616 541000	Access Platform Sales	+353 7497 21017	www.jlgeurope.com

## PUSH AROUND LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Airo	Italy	Aerial & Handling Services	01737 844896	Aerial & Handling Services	+44 1737 844896	www.aerialandhandlingservices.com
Alarina	Spain	Direct	+34 950 315643	Direct	+34 950 315643	www.alarina.es
Big Astor	Italy	Direct	+39011 6051743	Direct	+39011 6051743	www.bigastor.it
Bil-Jax	USA	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Bison Products	UK	Direct	01772 456191	Direct	+44 1772 456191	www.bisonproductsltd.co.uk
Böcker	Germany	Böcker UK	01384 476580	Böcker UK	+44 1384 476580	www.boecker-group.com/uk
Bravi	Italy	Direct	+39 071 7819090	Direct	+39 071 7819090	www.bravi-platforms.com
CLM Construction Supplies	UK	Direct	0844 800 1750	Direct	+44 84480 01750	www.clm-supplies.com
Custom Equipment	USA	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.hybridlifts.com
Dingli	China	Dingli UK	07794 052601	Dingli UK	+44 7794 052601	www.dingliplatformsales.co.uk
Eazzilift	UK	R2 Access Platforms	07799 118462	R2 Access Platforms	+44 7799 118 462	www.accessaccess.com
Eddielift	Italy	Edmolift	01440 730640	Edmolift	+44 1440 730640	www.edmolift.co.uk
Edmolift	UK	Edmolift	01440 730640	Edmolift	+44 1440 730640	www.edmolift.co.uk
ELS Makine	Turkey	Direct	+90 224 241 30 90	Direct	+90 224 241 30 90	www.elslift.com
Faraone	Italy	Seeking Dealer	+39 0861 77221	Seeking Dealer	+39 0861 77221	www.faraone.com
Genie	USA	Genie UK	014765 84333	Genie Europe	+44 14765 84333	www.genielift.co.uk
Haulotte	France	Haulotte UK	01952 292753	Haulotte UK	+44 1952 292753	www.haulotte.co.uk
Hugo	UK	HLS	01132 878446	HLS	+44 1132 878446	www.hls.co.uk
Hy-Brid	USA	Collé Rental & Sales	+31 46 457 41 02	Collé Rental & Sales	+31 46 457 41 02	www.hybridlifts.com
Iteco/Imer	Italy	Direct	+39 0577 973457	Direct	+39 0577 973457	www.imergroup.com
JLG	USA/France	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
Kuli/Kempkes	Germany	Wanted	+49 2191 4340	Wanted	+49 2191 4340	www.kuli.com
Laing Access	UK	Central Platform Services	01977 643 595	Central Platform Services	+44 1977 643595	www.cpslift.com
Mantall	China	Wanted	+86 133 8390 5158	Wanted	+86 133 8390 5158	www.mantall.com
Mieve	Spain	Direct	+34 9798 08036	Direct	+34 9798 08036	www.mieve.es
Pop-Up Products	UK	Pop-Up Products	01244 833933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Power Scissor	UK	Russon Access	01384 446630	Russon Access	+44 1384 446630	www.accessplatformcompany.co.uk
Power Towers	UK	Power Towers	01162 001757	Power Towers	+44 1162 001757	www.powertowers.co.uk
ReechCraft	USA	Russon Access	01384 446630	Russon Access	+44 1384 446630	www.accessplatformcompany.co.uk
Safelift	Sweden	Direct	+46 8 559 222 94	Direct	+46 8 559 222 94	www.safelift.se
Sidewinder	UK	Russon Access	01384 446630	Russon Access	+44 1384 446630	www.accessplatformcompany.co.uk
Snorkel	UK	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Youngman	Taiwan	Youngman/APS	01621 745900	Youngman/APS	+44 1480 891251	www.iapsgroup.com

## SPIDER LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Airo	Italy	Aerial & Handling Services	01737 844896	Aerial & Handling Services	+44 1737 844896	www.aerialandhandlingservices.com
ATN	France	Direct	+33 553 798 320	Direct	+33 553 798 320	www.atnplatforms.com
Benelli gru	Italy	Direct	+39 522 969756	Direct	+39 522 969756	www.benelligru.it
Bluelift	Italy	Snorkel UK	0845 1550 057	Snorkel UK	+44 845 1550 057	www.snorkellifts.co.uk
Böcker	Germany	Böcker UK	01384 476580	Böcker UK	+44 1384 476580	www.boecker-group.com/uk
Cela	Italy	MEWPS Scotland	0141 775 1790	Direct	+39 3098 84084	www.mewpsscotland.co.uk
Cormidi	Italy	GGR Group	01844 202071	GGR Group	+44 1844 202071	www.ggrgroup.com
CMC	Italy	Spiderlift	08702 255554	Spiderlift	+44 8702 255554	www.spiderlift.co.uk
CTE	Italy	CTE UK	01162 866743	CTE UK	+44 1162 866743	www.ctelift.com
Dingli	China	Dingli UK	07794 052601	Dingli UK	+44 7794 052601	www.dingliplatformsales.co.uk
Dinolift	Finland	Central Platform Services	01977 643 595	Central Platform Services	+44 1977 643595	www.cpslift.com
Easy Lift	Italy	Direct	+39 3355 669219	Direct	+39 3355 669219	www.easy-lift.it
Europelift	Hungary	Direct	0036 20 9474 767	Direct	0036 20 9474 767	www.europelift.com
Falcon Lifts	Denmark	Urban Access	01202 593411	Urban Access	+44 1202 593411	www.urban-access.co.uk
Goman	China	Direct	+86 2784 855127	Direct	+86 2784 855127	www.gomanlift.cn
Hinowa	Italy	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Imer	Italy	Direct	+39 0577 973457	Direct	+39 0577 973457	www.imergroup.com
Jekko	Italy	JT Cranes	01767 677155	JT Cranes	+44 1767 677155	www.jtcranes.co.uk
JLG	USA/France	JLG Industries UK	01616 541000	Access Platform Sales	07497 21017	www.jlgeurope.com
Leader	Italy	Wanted	+39 0522 619270	Wanted	+39 0522 619270	www.leader-platt.it
Leguan	Finland	Avant Tecno UK	01953 714896	Direct	+358 3347 6400	www.leguanlifts.com
Multitel	Italy	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Niftylift	UK	Niftylift	01908 223456	Niftylift	+44 1908 223456	www.niftylift.com
Oil&Steel	Italy	Urban Access	01202 593411	Cherry Picker	+353 1835 4788	www.urban-access.co.uk
Ommelift	Denmark	Ommelift UK	+45 7534 1300	Ommelift Ireland	+45 7534 1300	www.ommelift.com
Pagliero	Italy	Access Industries	01442 874534	Access Industries	+44 1442 874534	www.accessequipment.net
Palazzani	Italy	TCA Lifting	0845 603 5360	TCA Lifting	+44 845 603 5360	www.poweredaccess.com
Palfinger Platforms Italia	Italy	Cumberland Platforms	01536 529876	Cumberland Platforms	+44 1536 529879	www.cumberlanduk.co.uk
Platform Basket	Italy	Promax Access	01226 716657	Promax Access	+44 1226 716657	www.promaxaccess.com
Ruthmann-Bluelift	Italy	Snorkel UK	0845 1550 057	Snorkel UK	+44 845 1550 057	www.snorkellifts.co.uk
Sinoboom	China	Seeking Dealer	+86 731 8711 6222	Seeking Dealer	+86 731 8711 6222	www.sinoboom.com
Socage	Italy	Direct	+39 05991 21211	Direct	+39 05991 21211	www.socage.it
Teupen	Germany	Alfa Access Services	0800 193 0045	Alfa Access Services	+44 8001 930045	www.alfa-access-services.com

## MASTCLIMBERS & HOISTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Ahler	Spain	BFT Mastclimbers	01525 853575	BFT Mastclimbers	+44 1525 853575	www.bftmastclimbing.com
Alba	Spain	Wanted	+34 944 711 600	Wanted	+34 944 711 600	www.alba.es
Alimak	Sweden	Alimak Hek	01933 354700	Alimak Hek	+44 1933 354700	www.alimakhek.com
AS Climber	Spain	Direct	+34 916 918 580	Direct	+34 916 918 580	www.asclimber.com
Böcker	Germany	Böcker UK	01384 476580	Böcker UK	+44 1384 476580	www.boecker-group.com/uk
Camac	Spain	Direct	+34 937 771 050	Direct	+34 937 771 050	www.camaca.com
Electroelsa	Italy	Direct	+39 057 791 3401	Direct	+39 057 791 3401	www.electroelsa.com
Euroscaf	Italy	Direct	+39 042 374 6732	Direct	+39 042 374 6732	www.euroscaf.it
Encomat	Spain	Direct	+34 916 280 056	Direct	+34 916 280 056	www.encomat.com
Fixator	France	Direct	+33 241 311 700	Direct	+33 241 311 700	www.fixator-lift.com
Fraco	Canada	Fraco UK	01895 262215	Fraco UK	+44 1895 262215	www.fraco.co.uk
Geda	Germany	Mace Industries	01536 206600	Direct	+49 906 98090	www.maceindustries.co.uk
George Taylor Lifting Gear	UK	Direct	01922 457916	Direct	+44 1922 457916	www.gtlifting.co.uk
Goian	Spain	Wanted	+34 943 804 001	Wanted	+34 943 804 001	www.goian.com
Haki	Sweden	Haki UK	01827 282525	Haki UK	+44 1827 282525	www.haki.co.uk
Hek	Holland	Alimak Hek	01933 354700	Alimak Hek	+44 1933 354700	www.alimakhek.com
Hydro Mobile	Canada	Wanted	+1 888 484 9376	Wanted	+1 888 484 9376	www.hydro-mobile.com
Imer	Italy	CLM Supplies	0844 800 1750	Direct	+39 0577 973457	www.clm-supplies.com
Maber	Italy	CLM Supplies	0844 800 1750	Maber	+39 444 660 872	www.clm-supplies.com
MP-Haki	Sweden	Haki UK	01827 282525	Haki UK	+44 1827 282525	www.haki.co.uk
Piat	Italy	Direct	+39 041 927 824	Direct	+39 041 927 824	www.piatvideasrl.com
Raxtar	Holland	NTP Hoist Spares	01484 300503	NTP Hoist Spares	+44 1484 300503	www.hoistspares.co.uk
Rovers	Italy	Wanted	+39 089 772 4134	Wanted	+39 089 772 4134	www.rovers.it
Safi	Italy	Direct	+39 042 363 9321	Direct	+39 042 363 9321	www.safi.it
Saltec	Spain	Direct	+34 9765 71737	Direct	+34 9765 71737	www.saltectorgar.com
Scanclimber	Finland	Direct	+358 40 545 3773	Direct	+358 40 545 3773	www.scanclimber.com
Steinweg	Germany	Lancastria Hoists	0161 777 9009	Lancastria Hoists	+44 1617 779009	www.lancastria-group.co.uk
SMEA.N.	Italy	Wanted	39 081 250 84210	Wanted	+39 081 250 84210	www.smean.it
Stros	Slovakia	Direct	+420 318 842 369	Direct	+420 318 842 369	www.stros.cz
Torgar	Spain	Direct	+34 9765 71737	Direct	+34 9765 71737	www.saltectorgar.com

## MATERIAL LIFTS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Alp Lift	Germany	Lancastria	0161 7758921	Lancastria	+44 161 7758921	www.lancastria-group.co.uk
Genie	USA	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
LiftSmart	USA	Direct	+1 800 717 3079	Direct	+1 800 717 3079	www.liftsmart.homestead.com
Snorkel	UK	Snorkel UK	0845 1550 057	Snorkel	+44 845 1550 057	www.snorkellifts.co.uk
Shuttlelift	USA	Direct	+1 920 743 8650	Direct	+1 920 743 8650	www.shuttlelift.com
Sumner	USA	Sumner Lift UK	01905 458333	Sumner Lift UK	+44 1905 458333	www.sumner.com

## TRANSPORT TRAILERS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Andover Trailer	UK	Direct	01264 358944	Andover Trailers	+44 1475 522261	www.andovertrailers.co.uk
Broshuis	Holland	Broshuis Trailers UK	01858 432502	Broshuis Trailers UK	+44 1858 432502	www.broshuis.com
Goldhofer	Germany	Andover Trailers	01264 358944	Andover Trailers	+44 1475 522261	www.andovertrailers.co.uk
Ifor Williams	UK	Local Network	0843 216 7447	West-Wood Trailers	045 87 6053	www.iwt.co.uk
Kässbohrer	Turkey	Shawtrack Services	01623 633540	Shawtrack Services	+44 1623 633540	www.shawtrack.com
King	UK	King Trailers	01858 467361	King Trailers	+44 1858 467361	www.kingtrailers.co.uk
Macs Trucks	UK	Direct	01422 311999	Direct	+44 1422 311999	www.macs trucks.co.uk
Nicolas	France	Munro Commercial	01704 897003	Munro Commercial	+44 1704 897003	www.munrocommercial.com
Nooteboom	Holland	HSE Nooteboom	01536 204233	HSE Nooteboom	+44 1536 204233	www.hse-nooteboom.com
Faymonville	Belgium	Traffco	01536 206919	Ashbourne Truck Centre	01835 0573	www.faymonville.com
Schuler & Schlömer	Switzerland	Wanted	+41 854 7000	Wanted	+41 854 7000	www.schuler-schuler.ch
Sterling GP	UK	Direct	01642 713333	Direct	+44 1642 713333	www.sterlinggp.com
Tinsley	UK	Tinsley	01642 784279	Tinsley	+44 1642 784279	www.tinsleyspecialproducts.com

## MOBILE ACCESS TOWERS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Aliscaff	UK	Aliscaff	01279 406270	Aliscaff	+44 1279 406270	www.alistage.co.uk
Alto	UK	Alto Tower Systems	08451 776644	Alto Tower Systems	+44 8451 776644	www.alto-towers.co.uk
Altrex	UK	Pop-Up Products	01244 833933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Big Astor	Italy	Wanted	+39 116 051 743	Wanted	+39 116 051 743	www.bigastor.it
Clow	UK	Clow Group	01415 546272	Clow Group	+44 141 554 6272	www.clowgroup.co.uk
Eiger Tower	UK	Pop-Up Products	01244 833 933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Euro Towers	UK	Euro Towers	01604 644774	Euro Towers	+44 1604 644774	www.eurotowers.co.uk
Faraone	Italy	Promax Access	01226 716657	Cherry Picker	+44 1226 716657	www.faraone.com
Frigerio	Italy	Wanted	+39 035 525 115	Wanted	+39 035 525 115	www.eng.frigeriospa.com
Haki	Sweden	Haki UK	01827 282525	Haki UK	+44 1827 282525	www.haki.co.uk
Instant UpRight	Ireland	Planet Platforms	0800 0854 161	F.A.S.T Scaffold	01830 8133	www.planetplatforms.co.uk
Layher	Germany	Layher UK	01462 475100	Layher UK	+44 1462 475100	www.layher.co.uk
Lyte Industries	UK	Lyte Industries	01792 796666	Lyte Industries	+44 1792 796666	www.lyteladders.co.uk
Monkey Tower	UK	Monkey Tower	01277 356172	Monkey Tower	+44 1277 356172	www.monkeytower.co.uk
Pop-Up Products	UK	Pop-Up Products	01244 833 933	Pop-Up Products	+44 1244 833 933	www.popupproducts.co.uk
Pyrascaf	UK	Pyrascaf	07818 558379	Pyrascaf	01830 7328	www.pyrascafitd.com
Svelt	Italy	Wanted	+39 035 681663	Wanted	+39 035 681663	www.svelt.it
Turner Access	UK	Turner Access	01413 095555	Turner Access	+44 141 309 5555	www.turner-access.co.uk
Werner	UK	Werner UK	01621 745 900	Werner UK	+44 1621 745900	www.wernerco.com
Youngman	UK	Youngman/APS	01621 745900	Youngman/APS	+44 1480 891251	www.iapsgroup.com
Zarges	Germany	Zarges UK	01908 641 118	Zarges UK	+44 1908 641 118	www.zargesuk.co.uk
Zip-Up	Ireland	Planet Platforms	0800 0854161	F.A.S.T Scaffold	01830 8133	www.planetplatforms.co.uk

## DISCONTINUED BRANDS

Manufacturer	Status	Spare Parts	UK Telephone	Website
ABM	Acquired by Haulotte	Haulotte UK	01952 292753	www.haulotte.co.uk
Aerial	Absorbed into Ianfield then Snorkel	Snorkel UK	0191 4871311	www.snorkellifts.co.uk
Arcomet	Merged with Skyline	Skyline Arcomet	01708 860534	www.skylinearcomet.com
Condor	Part of Time International	Versalift UK	01536 721010	www.versalift.co.uk
Coles	Absorbed by Grove	Manitowoc UK	01895 430053	www.manitowoc.com
CTT - Compact Truck	Company liquidated	JT Cranes	01767 677155	www.jtcranes.co.uk
Esda Fahrzeugwerke	Closed due to insolvency	Closed due to insolvency	Closed due to insolvency	Closed due to insolvency
Falck Schmidt	Acquired by TCA Lift	Urban Access	01202 593411	www.urban-access.co.uk
Gradall Telehandlers	Absorbed into JLG	JLG Industries UK	01616 541000	www.jlg.com
Grove Manlift	Acquired by JLG	MinnPar	+1 6123 790606	www.minnpar.com
Hydro-Grubert	Acquired by Palfinger	Palfinger UK	01380 722381	www.palfinger.co.uk
Iron Fairy	Jones Cranes Ltd	Jones Cranes Ltd	01273 494020	www.jonescranes.co.uk
Jones	Jones Cranes Ltd	Jones Cranes Ltd	01273 494020	www.jonescranes.co.uk
Kesla	Aerial lifts acquired by Nostolift	AJ Access Ltd	01291 423930	www.accessplatforms.com
Lionlift	Absorbed into PC Produzioni	PC Produzioni	+39 3387 674786	www.manotti.eu
Luna	Company liquidated	Luna	+34 974 21 10 20	www.lunaei.es
Manotti	Acquired by Sogage	Sogage	+39 0599 121211	www.sogage.it
PC Produzioni	Acquired by Sogage	Sogage	+39 0599 121211	www.sogage.it
Pinguely	Haulotte Group	Haulotte UK	01952 292753	www.haulotte.co.uk
RAM	Acquired by Ruthmann	Access Sales International	08718 714284	www.asionline.co.uk
Simon	Self-Propelled business acquired by Ilerex	Genie UK	01476 584333	www.genielift.co.uk
SkyHigh	Acquired by Servi-tec	Holland Lift	+31 2292 85555	www.hollandlift.com
Strato Lift	Closed	MinnPar	+1 612 379 0606	www.minnpar.com
SUP Elefant	Rebranded as CMC	Spiderlift	08702 255554	www.spiderlift.co.uk
UpRight	Rebranded as Snorkel	Snorkel UK	0845 1550 057	www.snorkellifts.co.uk

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## LIFTING GEAR

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Al-Vac	Denmark	Al-Vac UK	08702 418772	Al-Vac UK	+44 8702 418772	www.al-vac.co.uk
Baltrotors	Latvia	Approved Hydraulics	0854 4770 7969	Approved Hydraulics	+44 854 4770 7969	www.approvedhydraulics.co.uk
Bakker Hydraulic	Holland	Approved Hydraulics	0854 4770 7969	Approved Hydraulics	+44 854 4770 7969	www.approvedhydraulics.co.uk
Conquip	UK	Conquip	0845 520 1102	Conquip	+44 0845 520 1102	www.cggroup.com
Enerpac	USA	Enerpac	01215 050787	Enerpac	+44 1215 050787	www.enerpac.com
GLG Canada	Canada	Direct	+1 855 779 3371	Direct	+1 855 779 3371	www.glgcan.com
Hydrospec	Netherlands	Enerpac	01215 050787	Enerpac	+44 1215 050787	www.enerpac.com
Lift Systems	USA	Claxton International	01244 661000	Claxton International	+44 1244 661000	www.claxtoninternational.co.uk
Microcranes	USA	Direct	+1 36076 85104	Direct	+1 36076 85104	www.smartrigcranes.com
Modulift	UK	Modulift UK	01202 621511	Modulift UK	+44 1202 621511	www.modulift.com
Probst	UK	Probst Handling Equipment	01939 235325	Probst Handling Equipment	+44 1939 235325	www.probst-handling.co.uk
Scanlift	UK	Scanlift	01206 396111	CMH	04587 6225	www.scanlift.co.uk
Smartlift	Denmark	Central Platform Services	01977 643 595	Central Platform Services	+44 1977 643595	www.cpslift.com
Sumner	USA	Sumner Lift UK	01905 458333	Sumner Lift UK	+44 1905 458333	www.sumner.com
Unitex	USA	Ridge Gear	01538 384108	Ridge Gear	+44 1538 384108	www.ridgegear.com
Wienold Lift	Germany	APS	01480 891251	APS	+44 1480 891251	www.iapsgroup.com
Winlet	Denmark	Hird	01482 227333	Hird	+44 1482 227333	www.hird.co.uk/winlet

## TELEHANDLERS

Manufacturer	Production Base	UK Distributor	UK Telephone	Ireland Distributor	Ireland Telephone	Website
Ausa	Spain	Ausa UK	07970 639988	Ausa UK	+44 7970 639988	www.ausa.com
Bobcat	France	Bobcat UK	01942 266880	Montana Plant Sales	01401 8844	www.bobcat.eu
Caterpillar	Belgium	Finning UK	01530 249605	Finning Ireland	01464 3500	www.finning.co.uk
Claas	Germany	Claas UK	01284 763100	Claas UK	+44 1284 763100	www.claas.com
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# Spectacular, spectacular!

c&a

Liebherr

Last month Liebherr held its tri-annual Customer Days 'open house' at its mobile crane facility in Ehingen, Germany. This year's theme was 'Strongly Connected' and included several new model introductions as well as spectacular mobile and crawler crane demonstrations.

More than 3,000 customers attended the two day - Wednesday and Thursday - event and it was anticipated that 15,000 Liebherr employees and families from the local area would visit the production facility on the Saturday.

As usual the Customer Days were visually spectacular, showcasing the latest technology, developments and products together with a mobile crane and crawler crane demonstration with a firework and laser light show to close the event.

Previous Customer Days have been remembered by amazing crane art - the 2012 four crane 'mobile' with the 3,000 tonne LR13000 supporting the LR 11350, the LR 1350 and the LTR 1100, and then three years ago two LTM 1750s mounted upside down by their booms on a rotating crawler crane undercarriage.

This year the main display was a Liebherr 'spider crane' - one of its new Rough Terrain cranes caught in a spider's web of rigging between the lattice booms of two crawlers.

Liebherr always uses the event to launch new products - this year it unveiled the 230 tonne LTM 1230-5.1 All Terrain and the 800 tonne LR 1800-1.0 crawler crane.

## LTM 1230-5.1

The new LTM 1230-5.1 features a 75 metre main boom - three metres longer than its predecessor the LTM 1200-5.1 - with average capacities said to be 20 percent greater, partly due to the new VarioBallast system which adjusts counterweight tail swing from 4.8 to 5.7metres.

The crane has an 11.5 to 22 metre bi-fold swingaway with up to 40 degrees of offset and a hydraulic luffing option. Additional reach is available by inserting up to three, seven metre straight lattice sections between boom nose and swingaway. A fixed offset 43 metre jib is also available that can incorporate a hydraulic luffing section to create a type of luffing jib with up to 45 degrees of offset. The attachments can also be configured to produce a high capacity 39 metre fixed jib. Maximum hook height has been increased by 10 metres to 111 metres making it ideal for erecting tower cranes or maintaining wind turbines.

The crane uses Liebherr's single engine concept with a Stage V, six cylinder chassis mounted engine driving a 12 speed ZF Traxon transmission and superstructure



*The new LTM 1230-5.1 features a 75 metre main boom - three metres longer than its predecessor the LTM 1200-5.1 - with average capacities said to be 20 percent greater*



*Two LTM 1750-9.1 and two LTM 1450-8.1 during the demonstration*

pumps by a mechanical shaft system through the centre of the slew ring. Additional features include EcoMode and EcoDrive

to maximise fuel efficiency while reducing noise and emissions and the 'Hill Holder' feature to assist with hill starts.

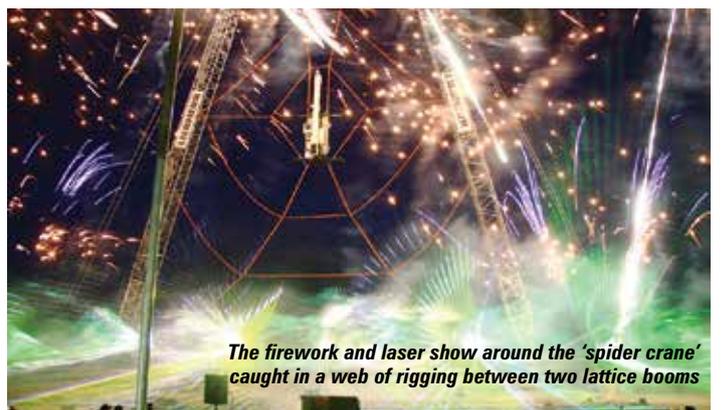


*The cab of the new LTM 1230-5.1*

The LTM 1230-5.1 is unusual in that it has an asymmetric outrigger base with a front spread of 7.4 metres and a wider rear spread of 8.1 metres which is said to provide additional capacity over the rear quadrant. It is also equipped with Liebherr's VarioBase outrigger set-up system.



*A full line up of Liebherr's LTM cranes*



*The firework and laser show around the 'spider crane' caught in a web of rigging between two lattice booms*

### LR 1800-1.0

The newly designed 800 tonne LR 1800-1.0 lattice boomed crawler crane was unveiled by being erected by other crawler cranes in the Liebherr range from the LTR 1100 to the 3,000 tonne LR 13000. With the cranes lifting the various components - main body, tracks, ballast, boom and hook block - into position, the LR 1800 was fully erected in less than 40 minutes. The crane also introduces a new nomenclature system, with the -1 being the first 800 tonner and the .0 being the first generation. An upgrade would be a 1.1 while a totally new 800 tonner would be a 2.0.

Liebherr says that its main features are load chart capacities and efficient transport, as well as its luffing jib and derrick system designed with an eye on power plant construction and the petrochemicals industry.

The crane slots between the 750 tonne LR 1750 and the 1,000 tonne LR 11000 and has a standard main boom of 84 metres and an 84 metre luffing jib but can also be configured with a main boom of up to 102 metres, while the luffing jib can be extended to 102 metres. The boom and jib use three different sizes of lattice section - the bottom half of the main boom uses the largest sections, with the medium sections used for the top half of the boom and the bottom half of the jib, finally the small sections are used for the top of the jib - they can all be telescoped inside each other for more efficient transport.

The widest component has an overall width of just three metres and the heaviest is 45 tonnes. The machine base with tracks in place is said to weigh 60 tonnes, but only 45 tonnes with tracks removed. Maximum counterweight comprises 230 tonnes on the superstructure, 70 tonnes on the chassis/carbody and 400 tonnes of derrick ballast. A new folding frame guides the suspended ballast and is variable up to a 23 metre radius. Power comes from a V8 Stage V diesel.

Liebherr claims the new LR 1800-1.0 is currently the most powerful crawler crane on the market with a basic machine just three metres wide.



1. The body being lowered into position using an LR 1500



2. The two crawler tracks are next



3. The LR 1500 and LR 1600/2 are used to put on the tracks



4. Next the two ballast carriers are lifted into place



5. The ballast is installed using LTC crawler cranes and a special ballast lift attachment



6. Next the boom is lifted into position



7. Finally the hook block being carried by one of the new T33.10 telehandlers



All finished in less than 40 minutes

# CMC to concentrate on spiders

The increasing in popularity of spider lifts has yet to tempt a major aerial lift manufacturer to build its own machines. Although JLG offers branded models from Hinowa - currently the largest spider lift producer selling around 1,000 lifts a year - most other manufacturers build from 200 to 500 units per annum.

Italian manufacturer CMC - celebrating its 20th anniversary this year - is unusual among the many Italian spider and truck mounted lift manufacturers in that it is based in the south of the country in Bari. Mark Darwin visited the company to find out more.

While CMC has kept a relatively low profile it exports more than 75 percent of its production, with its most successful market the USA. It also claims to be the market leader in the 25 metre spider sector, having sold more than 400 units - mainly to arborists for tree work. Machines working in this harsh environment have to be sturdy, well-built and reliable. Surprisingly only around 15 percent of its machines are sold to rental companies, which increasingly represents the largest market for spider lifts.

"We want to expand our spider production and our aim over the next few years is to increase sales into the rental sector," says Giovanni Carbonara, CMC's export director. "This will be helped with the introduction of a new range of



Export director Giovanni Carbonara (L) with president Michele Moretti

'rental' machines next year. We are also currently working on new models - the S19HD, the S22HD and the S23 with working heights of 19, 22 and 23 metres - all designed as rugged and reliable machines that are easy and simple to use. Other models are also scheduled."

CMC currently builds around 300 spider lifts a year, along with a number of 3.5 tonne truck mounted lifts. Revenues are in the region of €17 million with a target of €20 million by 2020. In addition to the USA, CMC does well in China and Australia and did well in the UK through former dealer



A lithium powered S32



The CMC S25



The new S22HD

Ranger Equipment which has dropped out of the sector to focus on other equipment. Ranger and a number of its other distributors had previously represented Teupen, widely recognised for its high quality standards. Their decision to take on CMC speaks more for the company's build quality than any promotional claims.

"We are currently looking for dealers in France and the UK," says Carbonara. "Whether we appoint an existing dealer or set up CMC UK is still under discussion. We don't want to make a quick decision but want to find the best long-term solution for our customers."

In spite of its high export ratio, CMC has not sold well in Europe, something it puts down to the fact that the market is more rental orientated. It hopes to remedy this with the introduction of its new 'rental' machines.

## 20th Anniversary

CMC was formed by three entrepreneurs - Carlo, Michele and Carlo (thus CMC), two of whom - Carlo Mastrogiacomo and Michele Moretti - still run the company. Its first platform in 1998 was the 16 metre PLA16 truck mounted lift and the company has been very successful in the 3.5 tonne truck mounted platform sector in Italy and

Northern Europe including Sweden, Norway and the Netherlands and has had some success in the Middle East and parts of Africa. Spider lifts followed in 2007.

Today the company builds truck mounts from 14 to 36 metres, including telescopic (PLA) models from 14 to 25 metres, with the latest the 25 metre PLA 250 - offering 15 metres outreach. Telescopic with jib (PLJ) with 25, 29 and 36 metre working heights and three articulated (TBJ), models with working heights of 13.5, 20 and 24 metres. While its growing spider lift range runs from 15 to 41 metres.

In the past few years most new product investment has gone into the spider lift range, so the company has decided to reduce its commitment in the truck mounted market and concentrate more on the spider lifts. In the past, the company has produced up to 500 truck mounted lifts a year, but this is now closer to 200.

"We have a good name in the market for spiders and our aim is to one of the leading manufacturers by producing quality machines," says president and co-founder Michele Moretti. "Constant improvements to components and design means we are eliminating problems. For example a few years ago the

electrical loom (harness) was a weak point on our machines, so we acquired the company that made them and brought the manufacturing inhouse so that we could improve the design and quality. The looms are now as good as any in the automotive sector and all problems have been sorted. This philosophy is being applied to all areas of production from fabrication and painting to design.”

18 months ago the company needed more space and acquired the site of a printing company in Bari near the impressive 58,000 seat Stadio San Nicola football stadium built for the 1990 World Cup. After extensive refurbishment, the buildings now house company headquarters, sales, marketing, product support departments and the Italian service team - about 100 employees in total. The other buildings house the assembly, quality control, electrical harness/loom production and test area. In all the company has invested €8 million in the new facility.

The original facility located some 15 minutes away receives the steel fabrications, where then they are checked, sand blasted and painted before assembly. A new ‘state of the art’ spray booth is to be installed, while longer term, CMC hopes to bring fabrication inhouse - to ‘better control quality and delivery times’. This may include producing its own tracked undercarriages.

**New machines**

CMC’s most popular spider lift is the 25 metre S25 and after five years in production, it is one of the machines being updated for an end of the year launch. Structurally it is virtually the same but will feature many electronic improvements, as the company moves towards 80 percent componentry commonality on its spider lifts making both production and repair easier.

Other new machines include the S19HD the S22HD and the S23. The S19HD is an update of a previous model with 18.7 metre working height, 11.5 metres outreach, 200kg platform capacity, an overall weight of 2,800kg and 890mm overall width. To self load/unload from a truck or trailer the units have an outrigger jacking height of just over a metre, and multiple position set up.

The S22HD is aimed at the tree care market and uses the same undercarriage but a longer boom and jib for a 21.6 metre working height and 12.5 metres outreach. Platform capacity is 230kg, overall width 890mm and transport weight 3,000kg. The company has booked a 19 unit order from Latvia for this model to keep power lines clear of tree limbs etc... “The client tested three or four competitors but placed the order with us,” says Carbonara.

The S23 is not a HD model but uses the same technology, it has a 23 metre working height, 12.4 metres of outreach and 200kg unrestricted platform capacity. It is compact with a double sigma type riser and jib but weighs 3,200kg. A slightly lighter 3,000kg rental version may appear later. For 2019 the company is planning new 28/29 metre and 38 metre models, an upgraded S25, and three smaller ‘Rental’ models.

**Market and reputation**

CMC believes that around 80 percent of all spider lifts delivered to date are between 13 to 23 metres, with 70 percent of them sold to rental companies. Highlighting the importance of its new rental machines it hopes to increase market share and expand production. As to quality it believes that its product and brand image is positioned closer to companies such as Teupen and Falcon than other spider lift manufacturers.

“We want to target the higher



All fabrications are assembled to check quality prior to paint and final build



Currently CMC produces about 300 spiders but this could double without further expansion

quality products such as Teupen, producing smaller numbers but with excellent design and quality,” says Moretti. “When we have finished introducing all the new models, there are few other manufacturers that can offer our range. We currently produce about 300 units, but plan to double that over the next three to four years with our existing structure and facilities. We can expand our existing facilities by 30 percent and could move the truck production to another factory if required.”

“Around 70 percent of our current sales are made up of our larger lifts - the 25 and 32 metre spiders - but only sell two or three 41 metre machines a year. The next step

is to start producing the new 38 metre and 22/23 metre machines. While we focus more on spiders, we will continue with truck mounts in Italy but will be stopping export production.”

CMC has come a long way over the past 20 years and since launching its first spider lift just over a decade ago. Over the past five years it has posted revenue rises of 20 percent each year and is building a solid reputation for quality and performance which should be helped by the new models due next year. Moretti has two sons who are also in the business, with the elder, Giuseppe, being groomed to take over from his father sometime in the future.



Truck mounts undergoing quality checks



Truck mounts ready for delivery



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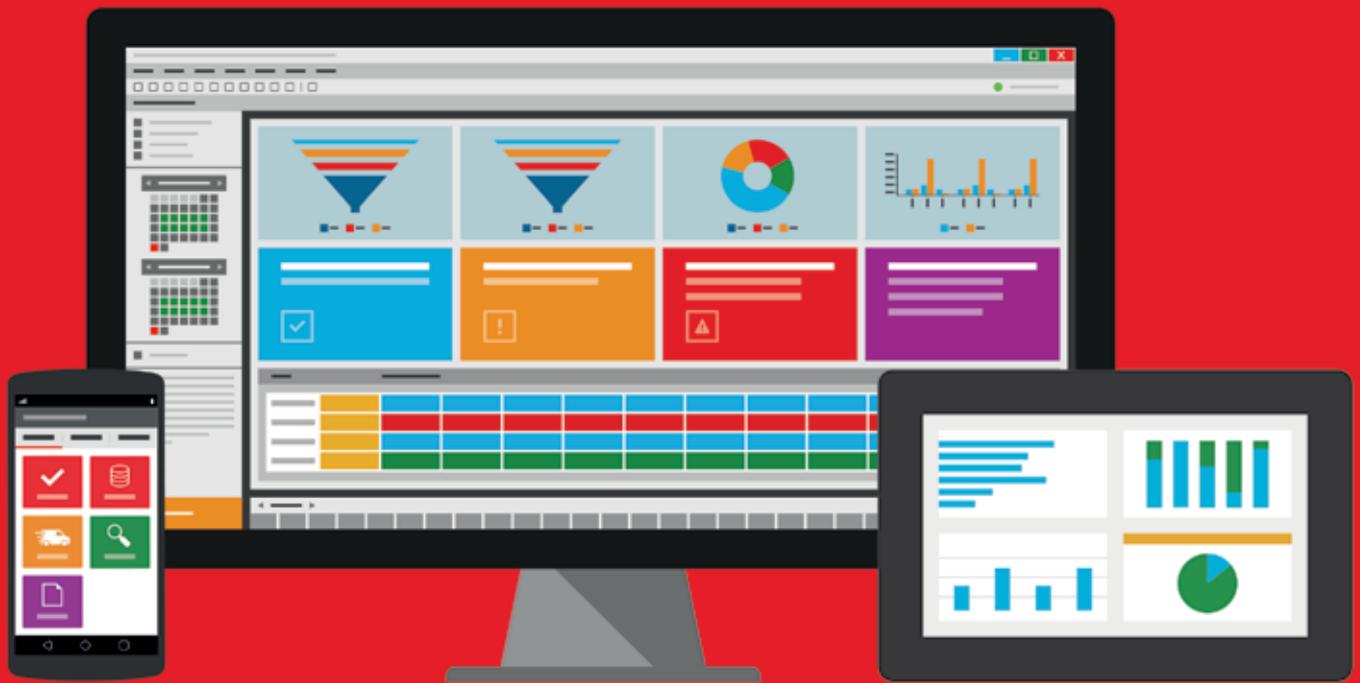
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Experts

# Information is power?

The old saying 'information is power' has been modified by many people over the centuries but a more relevant saying today might be 'information is power - but only if you can decipher and make use of it'.

For years equipment manufacturers have had the ability to collect data from the machines they produce, but more recently the amount of information has ballooned as collecting it remotely has become not only possible, but also cost effective and practical for both manufacturers and owners. The challenge now is to manage and use all that data effectively to help improve the equipment in terms of performance and reliability. For owners the potential is arguably even greater, allowing rental companies, for example, to offer a wider range of specific services, better information for customers and to monitor the performance and profitability of each and every machine and machine type.

Although the ability to gather this information has been available for 20 years or more, the challenge has always been how to sort and use it. In Germany, many rental companies have been using the most basic data for almost a generation to determine when machines were being used, when they were on charge, allowing them to invoice for flat battery call-outs when not given an overnight charge, as well as for two shift work or weekend use.

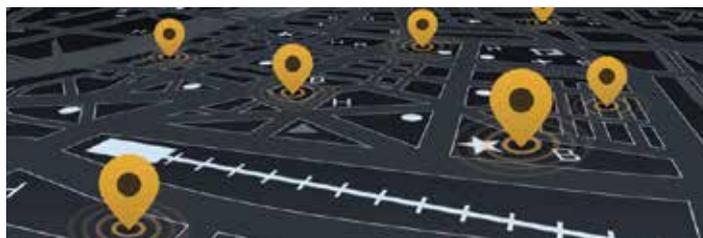


When the more advanced on-board diagnostics and telematics began to come on stream, the challenge became even greater, not only due to the challenge of managing such a barrage of information, but

because fleets often included a diverse range of telemetry suppliers, none of which were compatible with each other's management software. The alternative was to retrofit new telematics units - at great expense and in some cases complexity - across the entire fleet to unify the telematics under one system/login. In the last year or so telematics systems have become more compatible with each other and rental management software providers are beginning to integrate telematics inputs into their systems.

### Practical use

Telematics can bring enormous benefits to everyone - except perhaps rogues and thieves? With equipment often left relatively unsecured on job sites or outside commercial buildings, it is a prime target for theft. Few rental companies can say that they have never had a piece of equipment stolen, whether that be a small push-around scissor lift or a 300 tonne crane! And it is of no surprise that less than 10 percent of stolen equipment is ever recovered. Installing the latest security features such as geofencing, remote locking or engine immobilisation makes it much more difficult for thieves to benefit from their crimes. This can already be seen statistically with a drop in the theft of newer equipment that has such devices built in. The knock-on effect though is that thieves are now targeting older equipment that is not fitted with the latest anti-theft devices.



Knowing where your machines are and that they are safe and secure should be an absolute requirement for any fleet manager. JCB LiveLink's enhanced security package sends an alert when machines are on the move.



A jobsite can insist that only operators with a relevant competency card/licence such as IPAF's smart PAL card be used

### Safety and productivity

Although anti-theft and location tracking is the feature most often talked about when telematics is discussed the main benefits lie elsewhere, in terms of safety and productivity.

Site safety can be improved by recording handover's and pre-use checks on a driver's mobile device, while unauthorised use can be combatted by replacing keys with smart cards, key pads or mobile apps to unlock the machine. A jobsite can insist that only operators with a recognised and relevant competency card/licence, such as IPAF's smart PAL card, with all machines requiring such cards to unlock them, while the specific

operator is logged as taking and operating that unit. Delivery status can also be tracked live by the end user, and rental companies can respond more quickly to breakdowns arriving with the right parts and knowledge on how to fix the problem, having diagnosed it before setting out. Finally, when the rental is over the rental company can lock the machine to prevent the old scam of off-hiring the machine early and then continuing to use it on the basis that the rental company will be slow to collect. At the same time the driver can see exactly where the machine is and avoid wasting time driving around a large site looking for it.

Delivery route optimisation and driver monitoring can also provide significant time and cost savings, by using less fuel, while helping reduce maintenance and repair costs. Some companies are rewarding 'smoother' drivers that get better fuel economy and longer brake life, while in some cases penalising those with a 'heavy right foot!' Sharing live fleet tracking data with customers helps take the stress and uncertainty out of deliveries and helps provide more accurate arrival estimates. A better

delivery experience increases the likelihood of repeat business and referrals.

Reliability can benefit as manufacturers use telematics data to improve design and eliminate problems, while for rental companies the new integrated software programmes will make it easier to treat each individual machine or machine type as a profit centre, allowing canny rental companies to clearly see the running costs and balance that against purchase price of specific machine types.

For some time now crane manufacturers have been using black box telematics capable of flagging up live warnings to fleet managers, of practices such as continuing to operate after the on board anemometer has consistently clocked excessive wind speeds or the crane is overloaded due to a shock load etc... The latest move is to automate and integrate job surveys, risk assessments, lift planning and other jobs carried out by the Appointed Person or Lift Manager.

One thing is for certain, the combination of improved onboard diagnostics, the latest telematics systems and connectivity with the integrated rental software will mean that there is nowhere for 'chancers' to hide, as all this data leads to a more open method of working.

With this in mind, many rental management software producers such as MCS, inspHire, Point of Rental along with telematics companies such as TrackUnit are now integrating the manufacturer's information systems into their programmes, allowing rental companies to make more informed decisions through, increased efficiency, greater productivity and reduced costs all leading to

improved profitability.

A key issue for equipment rental companies is that each manufacturer has its own proprietary telematic system, each using its own online portal for accessing the data. The integration of telematics information into rental software cures this problem.

### MCS Telematics Hub

The 'Telematics Hub' from MCS can show the data from various manufacturers directly to rental fleet operators within its MCS-rm rental management software making it easier to view by configuring and consolidating all the manufacturer logins in one place. This offers a huge operational efficiency to a rental business and when paired with rental management software adds context to all the data that has been logged by associating it with the relevant customer, rental contract and construction site.

For example, as well as seeing where the equipment is, the rental company can see which company rented it, the site it is located, what the contracted hours are, who is operating it and the length of the rental period. The data can also provide information into a machine's movements, its actual operating and recharging hours, safe or unsafe usage by a specific operator and whether they were trained or certified, while greatly assisting trouble shooting in the event of a breakdown.

MCS says it currently integrates a number of telematics systems including Trackunit, CanTrack, Enigma Telematics, JCB Live-Link, Teletrac Navman, AMI, Jobwatch, Pinpoint, QuikTrak, Allsetra and Bomag with several more on the way.

"Telematics and tracking systems have been around the industry for a while, however there are a few key issues which stop rental business getting real benefits from this data," said Brendan Lowe, financial controller of

*Telematics Hub can show the data from various manufacturers directly to rental fleet operators within its MCS-rm rental management software.*



*Asset Tracker amalgamates equipment locations onto a single map using integrated Google Maps.*

Clee Hill Plant in the UK. "The MCS Telematics Hub is the first time we have seen a rental software provider produce a workable solution to bring the telematics data to operational staff."

### Asset Tracker

Another rental management software provider inspHire has released its Asset Tracker functionality that integrates with Trackunit, JCB LiveLink and CanTrack to improve the visibility of equipment. It amalgamates equipment locations onto a single map using integrated Google Maps, allowing users to pinpoint where their equipment is situated, define a radius for each depot and also access specifics such as the customer details and contract terms.

The Asset Tracker data merges with its centralised telematics data within its rental management software and by bringing the two systems together allows users to view and cross reference their data quickly, tracking the location via GPS trackers, recording equipment usage such as inputs and hours of operation as well as live hour meter readings.

As part of the integration, Trackunit, JCB LiveLink and CanTrack can be opened directly from within the inspHire system doing away with having two systems open at the same time but also making the telematics data easy to access.

"Having quick access to this accurate information allows users to better plan the movement of equipment between sites, optimise depot transfers as well as charging periods while greatly improving customer service," said inspHire's Mark Taylor. "The second part of the development will unify telematics data with inspHire maximising equipment utilisation and taking it to the next level."

"Enabling businesses to see when and where as well as how long equipment has been working helps to ensure customers aren't over-using equipment and all the correct meter and mileage-based services will definitely be completed. It also becomes an invaluable tool to locate missing or stolen equipment."

"The agreement with telematics providers is the first step in bringing telematics and hire data together with more integrations due later this year. It is important that



# CELEBRATING 35 YEARS OF INNOVATION

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**Rental**  
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RELEASED

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RELEASED

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Point of Rental's recent integration of Syrinx with TSO Mobile allows transport companies and rental companies to optimise routes, create geofences and track the fleet in real time.

the development adds value to businesses that are not currently using telematics systems. Rental businesses require a system that collates accurate information in one easy to access, visual screen."

AFI group IT director, Chris Jowett said: "Our industry is only at the beginning of the digital era, where we use information to offer new improved solutions, automation and closer links with our customers and suppliers. Telematics will become mainstream over time. Integrating telematics with inspHire will make it easier for us to adopt this new technology, bringing it closer to our operations team, improving ease of use and encouraging adoption."

**Trackunit**

One company that has been in the news lately is Danish telematics technology company Trackunit. It announced a major partnership deal with Skyjack to power its all-new Elevate telematics system in February, in March it acquired UK-based telematics provider Satrak and earlier this month confirmed a major partnership deal with the world's largest equipment rental company United Rentals.

The company is to install its Trackunit Manager on a wide range

of equipment in the United Rentals fleet which includes keyless access control to prevent unauthorised use of equipment. The software operates on the Iris developer platform and uses 'Trackunit Go' and 'Trackunit On' as mobile applications.

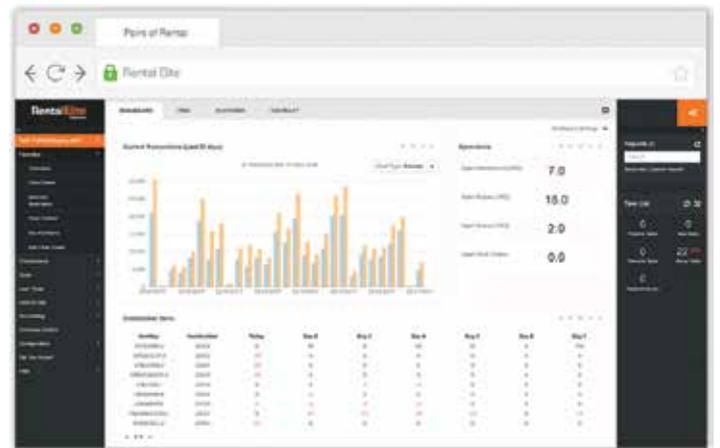
Michael Bierschbach director of fleet intelligence and technology said: "Every investment we make in technology comes down to two criteria - delivering superior value for our customers and helping them build a successful future. Trackunit has developed a best of breed telematics solution with a global reputation for business intelligence. We are working together to help customers realise greater jobsite productivity, safety, cost management and informed decision making."

**Point of Rental**

Point of Rental's recent integration of Syrinx with TSO Mobile allows transport companies and rental companies to optimise routes, create geofences and track the fleet in real time. After setting up a company's fleet data in TSO Mobile and Syrinx - or Rental Expert/Elite - the programs work together to map deliveries and pickups providing an



The Trackunit Manager web-user interface.



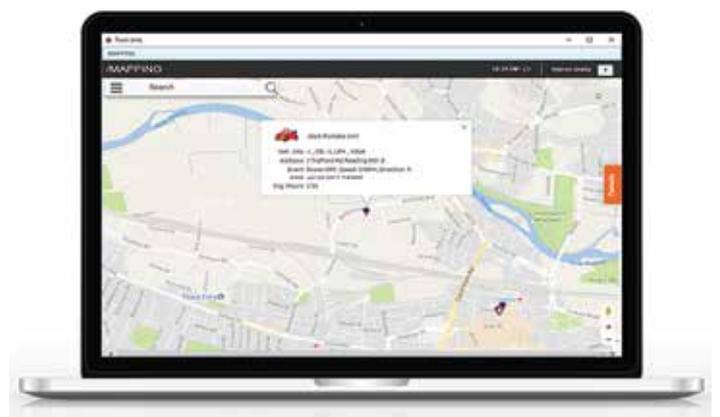
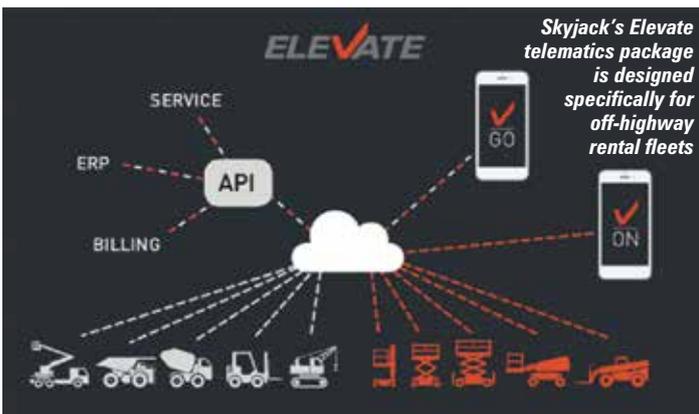
optimised route for each vehicle. These tracking abilities also allows owners to geofence, to create off-limits areas for equipment and receive an alert when equipment is taken out of designated areas as well as the ability to immobilise equipment remotely if necessary, whether due to misuse, unauthorised movement or simply due to the customer not having paid overdue invoices for the equipment. The vehicle/machine's mileage, hours and fuel metre readings are also readable remotely. The system also allows customers to see exactly where a vehicle or machine is, allowing them to more accurately schedule work for the day. And with telematic information rental companies are better positioned

to call items off-hire or send a mechanic out to a job site before a problem becomes severe.

**In summary**

Integrating telematics system inputs into the rental management software can provide substantial productivity gains, something that becomes particularly important when rental rates come under pressure. It should also lead to more honest and open relationships with employees and customers alike.

Telematics and the software systems that manage the data are developing so fast and becoming such an important tool in the markets that we cover that we are planning to add further articles in future issues of the magazine.



# Most promising apprentices

This year's CPA Stars of the Future apprentice awards ceremony was held at the Heart of England Conference and Events Centre near Coventry. Around 300 people attended the ceremony including apprentices, family members, college tutors and employers. In total 21 winners were selected from the 700 apprentices that were eligible for the awards, which are now in their sixth year.

Stars of the Future is an awards scheme for apprentices in the construction equipment industry, run in conjunction with UK colleges offering mechanic apprentice training. This year's awards were for apprentices who have been assessed throughout the academic year on their work in college and in their work environment. There were a total of 19 regional winners for both NVQ Level 2 and Level 3 apprentices, plus two national winners. Prior to the awards, a presentation was delivered by Steve Bradby, engineering leader at Select Plant Hire and Chris Gatheridge, head of service and compliance at Explore Plant and Transport Services, supported by Katie Kelleher, lifting technician and trainee Appointed Person at Laing O'Rourke.

National Level 2 winner Dan Pickles said: "I really didn't expect to win such a prestigious industry award and I can't thank Askham Bryan College and Charles Wilson Engineers enough for the support they have given me. I have been given the responsibility of working as a mobile service engineer by my employer, which is a great position for an apprentice to be in as I work all over the country covering 18 depots nationwide. I'd like to go on to become a Senior Service Engineer or Foreman in the near future but my ultimate ambition is to continue to work in this industry."

CPA chief executive Kevin Minton added: "The standard of this year's Stars of the Future entries really was exceptional and the judging panel had some difficult



National Winners Ciaran Warnes (L) and Dan Pickles

decisions to make. Stars of the Future is one of the highlights in the CPA's calendar and we welcome the opportunity to reward and recognise some of the industry's brightest talent. It is also pleasing to see just how well some of the previous winners have progressed in their careers since."

The two national winners received Snap-on roll cart tool kits and the 19 regional winners won Snap-on student tool kits. Dan Pickles was the winner of the National Level 2 award but five other national finalists were in contention for the accolade, namely John Higgins who attends Bridgend College and is employed by Komatsu Mining, Cameron Evans who attends National Construction College Scotland and is employed by Story Contracting, A-Plant's Imran Ahmed who attends Reaseheath College, Scott Paskin of Dewsbury

and Proud who attends Stafford College and Joe Hughes from ALC Vehicles and attends Wiltshire College. The standard was so high that Scott Paskin from Dewsbury and Proud was announced as the Highly Commended National Level 2 finalist.

A total of three national finalists were shortlisted for the National Level 3 award. TXM Plant's Ciaran Warnes was declared the winner, also in contention were A-Plant's Tyler Lloyd who attends Reaseheath College and Liebherr's Adam Counihan who attends Stafford College and was last year's National Level 2 Star of the Future winner.

For the first time, Stars of the Future was held directly alongside a Schools Experience Day, with more than 100 children aged 11 to 14 from schools in the Coventry, Birmingham and surrounding areas attended the 'Can U Dig It? Yes U Can' event.



Stars of the Future regional winners

## The 2018 Stars of the Future Winners

### Regional Level 2 Winners

Dan Pickles

John Higgins  
Harry Wood  
Cameron Evans

Amy Kirkham  
Rhyss Cunningham  
Michael Barton  
Imran Ahmed  
Scott Paskin  
Joe Hughes

### Regional Level 3 Winners

Joe Hobson  
James Power  
Ciaran Warnes  
Kyle Maitland

Archie Shorten  
Ross Logan  
Callum Bradley  
Tyler Lloyd  
Adam Counihan

### National Winners

Dan Pickles

Ciaran Warnes

### College and Employer

Askham Bryan College,  
Charles Wilson Engineers  
Bridgend College, Komatsu Mining Germany  
National Construction College, SMT GB  
National Construction College (Scotland),  
Story Contracting  
Finning Academy, Finning UK (Cannock)  
Glasgow Kelvin College, NRS Group  
Myerscough College, Chippindale Plant  
Reaseheath College, A-Plant  
Stafford College, Dewsbury and Proud  
Wiltshire College, ALC Vehicles

### College and Employer

Askham Bryan College, Peter Duffy  
Bridgend College, Associated British Ports  
National Construction College, TXM Plant  
National Construction College (Scotland),  
Leiths (Scotland)  
Finning Academy, Finning UK (Leeds)  
Glasgow Kelvin College, Marubeni Komatsu  
Myerscough College, Hire Station  
Reaseheath College, A-Plant  
Stafford College, Liebherr GB

Askham Bryan College,  
Charles Wilson Engineers (Level 2)  
National Construction College,  
TXM Plant (Level 3)



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[www.nasc.org.uk](http://www.nasc.org.uk)



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Ray Cooke, Head of Construction Sector Safety Unit, HSE

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# NASC president speaks at equality event

NASC president and TRAD group chief executive Des Moore was one of four panellists at the recent CN Inspire Me workshop, held in Manchester on Wednesday 13th June, and spoke of ways to increase the number of women holding senior roles in the construction industry.

The CN Inspire Me campaign - officially supported by the NASC and TRAD group - will see four workshops held across the country during 2018 to discuss how to help women advance their careers and remove the career barriers they currently face. A similar event will be held in Birmingham followed by a half day workshop at the 2018 CN Summit.

Moore said: "It was a privilege to speak at the CN Inspire Me workshop, as promoting the role of women in our industry is one of the key objectives of my NASC presidency. Women are sorely under-represented across the construction sector and particularly within the scaffolding industry. This needs to change. Not simply for fairness, but because it makes good business sense. Women bring different skills, perspectives and ideas to the table, all of which give companies a competitive advantage. It was great to discuss ways in which we can encourage more women to take up positions in the construction sector and ensure more is done to create clear career paths without any barriers to progression."

NASC delegates at the Manchester event included David Mosley, NASC director of training & CISRS manager, and representatives from three NASC full contracting member companies, Sarah Klieve - business director at High Peak Scaffolding, Wayne Connolly - managing director of Connolly Scaffolding and NASC Northern regional chairman, and Vicky Welch - contracts manager at James Ingleford Scaffolding.

Klieve said: "It was great to participate in such an interesting and inclusive event, to share and learn from each other's experiences and discuss ways in which we can continue to open up more opportunities for women in the construction sector as well as promoting construction as a positive career choice for both men and women."



(L-R) David Mosley of NASCC/CISRS, Sarah Klieve of High Peak Scaffolding, Vicky Welch of James Ingleford Scaffolding and Wayne Connolly of Connolly Scaffolding.



NASC president and TRAD group CEO Des Moore (seated)



Robin James, David Mosley and Ken Johnson of NASC at the summit

## NASC represents UK at European scaffolding summit

The NASC represented the UK scaffolding industry at a European scaffolding summit held in Germany.

Members of the NASC team flew to Cologne for a panel discussion event organised by the UEG (Union Europäischer Gerüstbaubetriebe) in conjunction with SBS (Small Business Standards).

The UEG is the umbrella trade body for national scaffolding organisations in Europe. NASC is the UK scaffolding industry representative and a founder member of UEG. SBS was established with the support of the European Commission to represent European Small and Medium size Enterprises in the standard making process at European and international levels.

NASC managing director Robin James said: "The panel discussion event demonstrated why UEG is the principal forum for the discussion of scaffolding matters in Europe. The group is attracting funding support from SBS for events such as the panel discussion programme, which was attended by delegates from all over Europe. A number of national scaffolding organisations across Europe are looking to join UEG. Associate membership is also strong, with supplier organisations from all over Europe looking to be part of a body which represents the European scaffolding industry."



## NASC Contractual Guidance Notes updated and extended

Eight contractual guidance notes have been updated and amended as part of the NASC's ongoing efforts to ensure all reference materials remain up to date and fit for purpose.

The documents, which cover a wide range of topics including pavement licences, pre-tender information and employment contracts, were reviewed and amended by the NASC Contracts Committee.

A new guidance note - CG23:18 Training Costs Agreements - has also been published and added to the online shop. This document identifies a number of important factors scaffolding contractors should consider when seeking to reclaim any part of the cost of work-related training incurred when an employee leaves the company.

The notes are all available for purchase via the NASC online shop. [www.nasc.org.uk/shop](http://www.nasc.org.uk/shop)



New Guidance Note.

### NASC

Established in 1945 NASC is the national trade body for access and scaffolding in the UK comprising over 240 leading contractors and scaffolding manufacturers.  
[www.nasc.org.uk](http://www.nasc.org.uk)



### CISRS

Established in the 1960s, CISRS is the industry scaffold training scheme with 60,000+ UK card holders & 4,500+ Overseas.  
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# ALLMI Membership Event - 40th anniversary celebrations!

ALLMI has announced full details of its 2018 Membership Event and 40th Anniversary celebrations. The industry-wide get-together will take place on 11th October at the Belfry Hotel & Resort in Sutton Coldfield.



As well as facilitating association members - manufacturers/importers, service companies, fleet owners, ancillary equipment suppliers and site operators - coming together to discuss and debate topical issues affecting the lorry loader industry, the Event will also see updates on ALLMI's wide range of projects and activities, while offering networking opportunities via two social functions.

The Event will begin with lunch, followed by separate membership meetings for each of the

association's divisions, before all delegates hear from guest speaker Steve Richards, the political commentator who has held leading media roles, including chief political reporter for The Independent, editor of the New Statesman and host of GMTV's Sunday Programme and BBC 2's Despatch Box. As a leading analyst on Brexit he will share his views on its impact for the lorry loader and allied industries.



Steve Richards

The evening entertainment will kick off with mind reader Graham Jolley, a veteran of the BBC and ITV, and will continue during dinner with table side magic from 'Chicks 'N' Tricks', performing their own distinctive brand of spectacular close-up illusions. The night will be capped by a set from comedian, Rod



Images from previous ALLMI Membership Events

Woodward. ALLMI chairman Mark Rigby said: "Whilst the scale of our Membership Event increases year on year, 2018's is of particular significance as we will be celebrating ALLMI's 40th Anniversary, a milestone we are delighted to reach with our industry

presence stronger than ever. There is no doubt that the Event will be the largest gathering of UK lorry loader professionals in the 2018 calendar, and is a great way to celebrate this fantastic landmark, as well as continued progress for many years to come!"

### The ALLMI Membership Event will include:

- A working lunch
- Meetings for manufacturers/importers, service companies, ancillary equipment suppliers, fleet owners and site operators.
- A speech/Q&A with political commentator, Steve Richards, concerning the impact of Brexit.
- Pre-dinner drinks.
- A three course dinner.
- Fundraising activities, with proceeds going to the Lighthouse Club.
- Entertainment from Graham Jolley, 'Chicks 'N' Tricks' and comedian, Rod Woodward.
- Luxury accommodation at the Belfry Hotel & Resort.
- Complimentary ALLMI branded giveaways for overnight delegates.
- An opportunity on 12th October to take in a round of golf on some of the UK's leading courses.

Contact ALLMI if you require additional information.



## Increased demand for slinger/signaller training

Demand for ALLMI's Slinger/Signaller course has increased by almost 20 percent year to date. Technical manager, Keith Silvester said: "We are extremely pleased to see further increases in demand for this course, which follows a 22 percent rise during 2017. ALLMI has long been promoting the importance of slinger/signaller training and raising awareness of the problems that can occur when this is neglected. Whilst there is a growing acceptance of this message throughout the industry, we will of course, continue to drive it, as some employers still believe that putting their staff through a lorry loader operator course provides them with a sufficient level of skill, knowledge and understanding to act as a slinger, which is not the case. Specific training should be undertaken in order to be proficient in this area, and this is a requirement under the Health & Safety at Work Act, PUWER and BS7121 Part 4."



## Market statistics development

ALLMI has improved its loader crane market statistics with the introduction of new data categories. The sales figures are collected and compiled on a six monthly basis by an independent third party specialist, with the majority of manufacturers/importers involved.

ALLMI chief executive Tom Wakefield said: "The statistics are broken down based on the tonne/metre rating of the equipment, as well as the application, and the collective data provides a great tool for participants to analyse their own performance in numerous market sectors. While ALLMI cannot see each manufacturer's figures, by reviewing the overall totals we can identify market trends, which can be extremely helpful in relation to a number of our activities, including directing and prioritising certain projects. Breaking the data down into additional categories will obviously improve the quality of information to the benefit of all concerned, and we look forward to reviewing these results in due course."

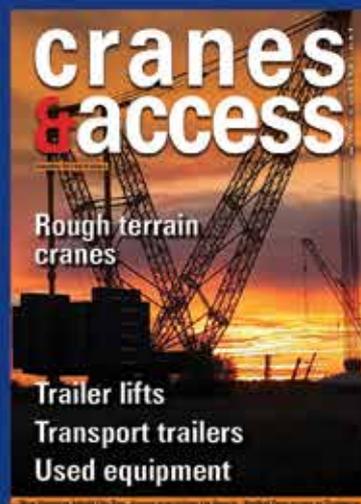
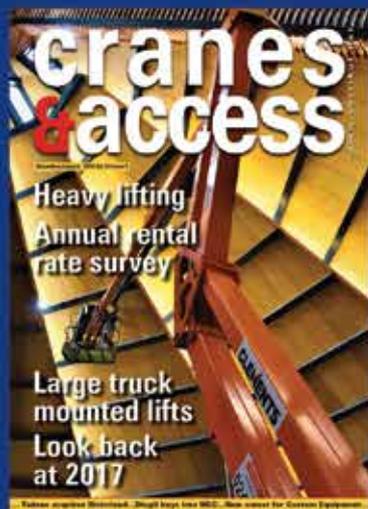
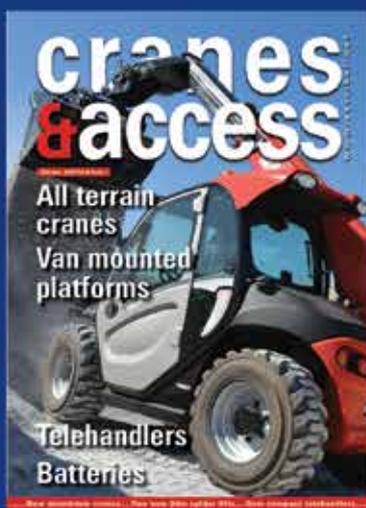
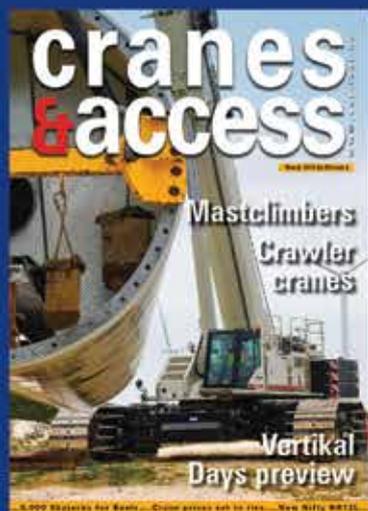
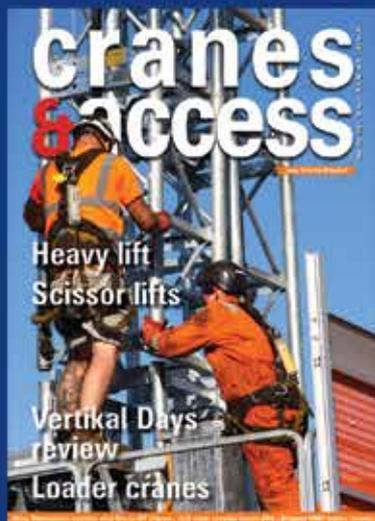


For details of ALLMI standards, guidance documents and training, visit: [www.allmi.com](http://www.allmi.com)

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# Don Kenny to speak at Europlatform

Don Kenny, chief executive of Loxam's Access business has been confirmed as the keynote speaker for IPAF's annual Europlatform conference to be held at the Europa Hotel, Belfast, Northern Ireland, on 11th October.

Kenny will talk on 'What makes a successful access business?' Other speakers include: Nina Aasland of Naboen, Brad Boehler of Skyjack, Ian Cameron of Diesel Progress International magazine and Julie Houston Smyth of Highway Plant and chairman of the IPAF Irish Council.



Don Kenny

There will also be a panel discussion, entitled 'Electrifying your fleet', involving Jos van Grootveld of Smart Platform Solutions, Arnold Grootveld of Dutch rental company Hoogwerkt, John Ball of the Access Link and Velocity Rental Solutions and Stéphane Hubert of Haulotte.

See [www.europlatform.info](http://www.europlatform.info) for details.

## IPAF to host new event 'Elevation'

IPAF will host a new UK conference and dinner at the DoubleTree Hotel in Coventry on 25th September.

Speakers will include: Jo Fautley of Build UK, Mark Noonan of the CITB, Ray Cooke of the Construction Sector Safety Unit of the HSE, Malcolm Bowers of Lifterz and Paul Lindup of Network Rail Infrastructure's Construction and Engineering Air Operations.

The conference will be followed by a dinner which will include a number of competitions involving the association's new VR training simulator and to find the best promotional video for IPAF training. Send submissions to: Faith Cobaine: [faith.cobaine@ipaf.org](mailto:faith.cobaine@ipaf.org) by 15 September.

visit [www.ipaf.org/elevation](http://www.ipaf.org/elevation) for more details and prices.



## IPAF at Work At Height Seminar

IPAF attended the London Work At Height Seminar on 6th July at London's Guildhall to highlight updates to its training, along with news about IPAF's input into new British standards and the All Party parliamentary group of MPs looking into falls from height.

IPAF was represented by Richard Whiting and Paul Roddis, who discussed the latest innovations in IPAF PAL Card operator training, including an update to the New Generation (eLearning) module and the upcoming overhaul of the MEWPs for Managers course. They also took part in an informal Access Industry Forum (AIF) question & answer session, aimed at those with queries about safety and training matters relating to temporary work at height using powered access equipment.



Richard Whiting on the mike



c&a

IPAF focus

## First IPAF Rental+ workshop held

IPAF has held the first of a series of special workshops aimed at helping rental members in the UK make the transition to the minimum audit standard in line with IPAF Rental+ requirements, which has been mandatory since 1st September last year. The workshop was held at Spanset's offices in Cheshire, with around 15 rental companies represented.

Richard Whiting, IPAF's UK market general manager, welcomed attendees, while Lynn Price, IPAF's audit and quality manager, gave additional background and led discussions about the process as it stands. Delegates provided suggestions as to how IPAF could better support members, and one of IPAF's UK auditors went through the audit questions and gave practical advice on what could be provided for each in order to demonstrate compliance.

For a full list of IPAF Rental+ workshops and to book your place see [ipaf.org/events](http://ipaf.org/events)

## IPAF responds to UK Parliamentary inquiry

IPAF is a key contributor to the UK All Party Parliamentary Group, led by Alison Thewliss - the member of parliament for Glasgow Central - that is looking at falls from height in the work place. IPAF members were asked for input to the initial consultation by the group, which helped formulate IPAF's official input.



Alison Thewliss

"Falls that cause injuries or fatalities when working at height are usually because it is temporary work at height, with a specific time frame, often requested of someone not used to carrying out work at height. Many people do not realise that powered access is the safest way to carry out such work, and that it should be properly planned and executed by trained operators using the correct equipment for the job."

"IPAF advocates the use of an approved mode of powered access for all temporary work at height, other types of equipment should not be used to carry out work that they are not designed for."

IPAF's response to the inquiry also stated that there should be more training for operators and managers of work at height using aerial work platforms or mast climbers, better site supervision, and tougher enforcement. Companies asking employees to complete temporary work at height should be sanctioned if putting untrained staff in unfamiliar situations without the right equipment or Personal Protection Equipment.

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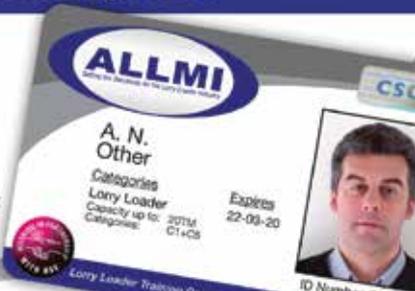
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# Cause for alarm

PASMA has raised serious concerns over the latest statistics for work related fatalities. "These figures are a wakeup call," said PASMA. At 144\* the HSE's annual figures for work related fatal injuries for 2017/2018 represent an increase of nine fatalities over 2016/17, despite an overall, long-term reduction in the number of fatalities since 1981.

Of the 144, falls from height remained the single biggest cause of fatalities, accounting for 35 - almost 25 percent - of the total. Next came 'struck by a moving vehicle' at 26 or 18 percent, followed by 'struck by a moving object' at 23 or 16 percent.

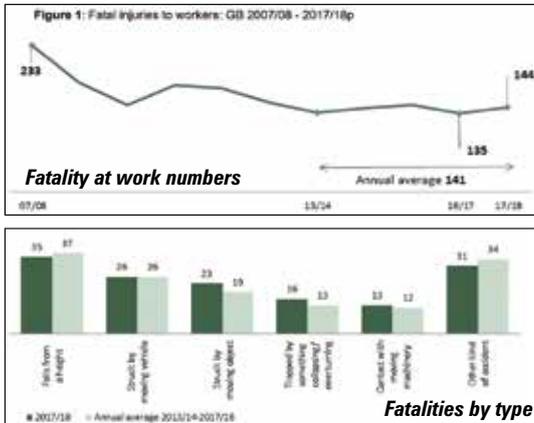
PASMA chairman, Gillian Rutter said: "Everyone involved in the work at height sector will be disappointed and concerned by these figures. They reinforce the need for two things. First, the unrelenting promotion of safety, standards and best practice. Second, the need to seek out and introduce new initiatives."

Two such recent initiatives are the All Party Parliamentary Group (APPG) on Working at Height and the No Falls Foundation. Instigated by PASMA and supported by the Access Industry Forum (AIF), the APPG launched its first official inquiry into the number of serious injuries and fatalities resulting from falls from height and falling objects in the workplace last year. It received over 60 evidence submissions and held its first oral session on 28th March 2018. A report, with recommendations, is currently in the course of preparation and is expected to be published in the Autumn.

The No Falls Foundation is the first and only UK based charity dedicated exclusively to the work at height sector. Supported by the AIF and others, its aim is to prevent falls from height and to help people affected by the life changing consequences of a fall. It has three principal objectives: Preventing falls, researching the causes of falls and providing support.

"These initiatives will, over time, add considerably to the resources available to help keep people safe when working at height. It's only by constantly advancing the height safety agenda that we will make a significant impact on these alarming statistics. These are people, not numbers," added Rutter.

\*Based on provisional figures for 2017/2018 issued by the Health and Safety Executive (HSE) on 4 July 2018.



# Body of knowledge



As PASMA grows, so does the need to ensure that all its guidance and information is up to date and consistent, wherever it is delivered. For example, the Code of Practice, training courses, websites and App. The association has therefore decided to develop the 'PASMA Body of Knowledge', a single repository for the technical data that will drive all the association's information, guidance, and document content going forward. It will speed and simplify the development and revision of training materials and courses.

# 2018 Annual Review

The 2018 Annual Review is now available online to download. The 24 page document includes: A report by the association's chairman, Gillian Rutter, a review of the last 12 months by managing director, Peter Bennett, updates from the committees, the latest developments in standards and guidance, the work of PASMA overseas, how the association is engaging with organisations such as IIRSM, RoSPA and HAE, developments in IT technology, the work of the marketing and communications department, a look back over Tower Week 2017, plus details of the All Party Parliamentary Group and No Falls Foundation.

Rutter's introduction to the review says: "It has been an honour to serve as PASMA's first female chairman over the last 12 months. It's been a pleasure to chair a forward thinking organisation where knowledge and experience are valued above all else. Looking to the future, as PASMA grows in strength and recognition, I urge every member to engage with the association to share and exchange knowledge, experience and expertise."



# Diary dates

As a leading member of the Access Industry Forum (AIF), PASMA will be represented at the following events:

- Safety in Construction Show, 18th July, The Roundhouse, Derby
- Health & Safety Scotland, 12-13th September, SEC, Glasgow
- Health & Safety North, 9-10th October, Event City, Manchester
- UK Construction Week, 10th October, NEC, Birmingham



PASMA held its 2018 Conference at the Aviator Hotel in Farnborough on 13th July. Video highlights will be released shortly on the PASMA website. Visit: [www.pasma.co.uk/conference](http://www.pasma.co.uk/conference)

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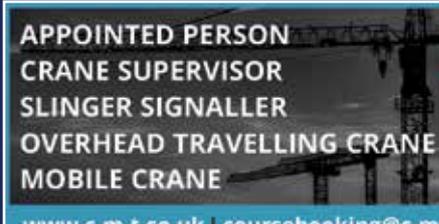


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# CM Labs launches Signaller Training Station

Canadian developer CM Labs Simulations has released a new Signaller Training Station simulator programme, allowing trainers to simultaneously engage students in a single exercise.



One trainee operates a virtual crane via the company's Vortex simulator, while another uses the Signaller Training Station to provide guidance. The trainee signaller can move around a simulated worksite to inspect the lifting area, identify potential hazards, gain a clear view of all site activity, and provide hand signals to direct the crane operator via webcam and picture in picture display. Trainees either fail or succeed as a team.

# £2 million fine for fatal excavator lift

UK companies RK Civil Engineers and RK District Heating have been fined £1 million each, plus costs of £15,847, after employee, David Beresford, 36, was fatally crushed during a lift at EON's renewable energy plant in Sheffield, in December 2015.



Beresford and his colleague were lifting 12 metre, 840kg heating pipes from a trailer into stillages with an excavator, when two pipes rolled off the stillage, with one falling on Beresford, who was standing between two stillages. The Health & Safety Executive investigation found that the company's lifting plan was insufficient and had not been drawn up by a competent person, and that the task was unsupervised. In addition, the pipes had been stacked above the stillage posts, failing to prevent them from falling.

RK Civil Engineers went into administration in June 2016, and RK District Heating went into voluntary liquidation in 2017.

# Death costs studio £36k

Maidstone Studios in the UK has been fined £30,000 plus costs of £6,487.76 after Justin Newitt, 38, died following a fall at the studio. In September 2015, Newitt was cutting one of four holes in a ceiling, for air conditioning units, and rather do the work from the scaffold tower he had erected, climbed from the tower into the roof space, in order to cut from above.

The electric saw he was using became twisted and he fell backwards onto an area that he had already cut, falling five metres to the ground. He died later that day. Newitt had received no formal training on how to erect the tower safely, and ladder sections were installed the wrong way around, while braces were damaged and guardrails inadequate. There was no written risk assessment or plan, although meetings had been held to discuss the work, and a plan agreed to cut the four holes from the tower below. However, there was no supervision of the work as it was carried out.

An investigation found that Maidstone Studios had purchased the tower second hand with no manufacturer's instructions.

# CPA hosts school day

The UK's Construction Plant-hire Association hosted its first ever Schools Experience Day to give secondary school pupils an insight into the construction equipment sector and the career opportunities available.



The event, labelled 'Can U Dig It? Yes U Can', was held at the Heart of England Conference Centre near Coventry, and was attended by 100 students, teachers and careers advisors. Students saw the latest machinery, including All Terrain cranes, tried virtual reality simulators and talked to people in the rental industry about opportunities. Operators were on hand to demonstrate the equipment and supporters of the event brought along current and former apprentices for students to talk to about their experiences. The event concluded with a 'Meet the Professional' Q&A session.

# Mammoet earns European Crane Operators Licence

Mammoet is the first company to acquire certification for European Crane Operators Licence (ECOL) training, following the Mammoet Academy training facility's audit and certification inspection.

ECOL was initiated by ESTA - the European Association of Abnormal Road Transport and Mobile Cranes - to establish a European certification standard for crane operators. Mammoet has been involved in the initiative since the start and has helped develop the pilot training programme. Four participants attended the pilot training session at the academy with all four gaining a licence. The Academy will offer the certified ECOL training to internal external participants. ESTA is now in a position to request the Dutch qualifications framework NLOF to have the ECOL registered and recognised within the European Qualifications Framework.



Erik Kroes of Mammoet (second from left) receives the ECOL certificate

# Who trained him then?

Spotted in London, UK, two men putting a banner up from a tower and step ladder. The man on the ground seems more interested in checking his phone than steadying the platform, with no concern for what might land on him.



# XCMG XCT75

There are many scale models of machines by Chinese manufacturers, although they are not easy to find outside of China. In this review we take a look at one of them, the XCMG XCT75. It is a four axle truck crane with a capacity of 75 tonnes and it has been modelled in 1:50 scale by Yagao.

The model comes in a nice quality XCMG branded box which has some information about the real crane printed on the outside, but it is only in Chinese. There is some straightforward assembly work to do.

The crane carrier is reasonably detailed with the transmission and various tanks modelled. The carrier deck has a variety of texturing, and the deck edges have a nice red and white chequered pattern. The model rolls very well, with limited steering angle on the linked axles, but there is a sprung suspension. The carrier cab has some sharp graphics on the cab doors which also open, although not very widely.

The rear two stage beam and jack outriggers extend, while the front ones fold out, and the pads can be screwed down. The crane can be

supported with wheels free of the ground.

The superstructure cab door slides open, and a stand out aspect is the highly detailed control console formed from tiny graphics. To the rear the counterweight is a single piece, but it looks very good. The winch drums also look good, but the look is spoiled by a fixed winding handle in the operational rear drum, giving a toy like appearance.

The boom has some detailing and some sharp graphics, and the lift cylinder barrel is made from metal. The boom is held in any elevated position by tightening a grub screw in the lift cylinder barrel and this works well. The sheaves in the boom nose and in the large hook are single pieces rather than separate sheaves.

The bi-fold swingaway extension is a two piece casting, with the lattice work being a little on the thick side, and it can be attached to the boom, but only in a fully extended mode.

This is a relatively inexpensive crane model by Yagao, and it has some very nice aspects and plenty of functionality. It would look much better without a fixed winding handle in the rear winch drum. It costs around £60 from China excluding duties and shipping.

To read the full review of this model visit [www.cranesetc.co.uk](http://www.cranesetc.co.uk)



*Rigged with the full boom extension*

Cranes Etc Model Rating	
Packaging (max 10)	7
Detail (max 30)	22
Features (max 20)	16
Quality (max 25)	19
Price (max 15)	12
Overall (max 100)	76%



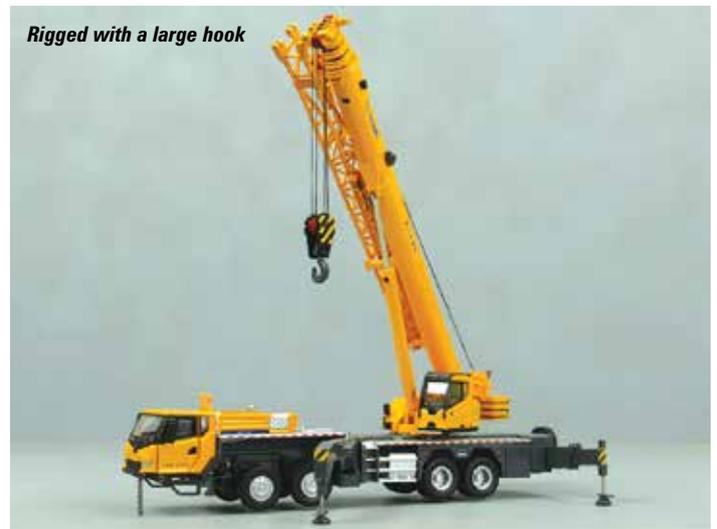
*Distinctive XCMG truck crane*



*Counterweight removed for travelling*



*Opening cab door*



*Rigged with a large hook*

# Readers Letters



## Vertikal Days Review

Afternoon Mark,

I was just flicking through your latest issue which has specific coverage of the recent Vertikal show and was disappointed to read your extensive review of the event and see not one mention of our purchase which we specifically timed to exhibit at the show and was the largest capacity Crawler Crane on display, the latest Kobelco CKE1350G.

We have displayed at three of the last four Vertikal shows one of our units and to be fair have had little or no coverage through your journal. As a company we don't crave publicity but on occasion of new equipment purchases it would be nice to have some recognition of our support for both the Vertikal event and indeed are continued investment in the lifting sector which your publication covers extensively.

Regards,

**Anthony Quinn**

Managing Director  
Q Crane & Plant Hire Ltd



Mr Quinn makes a fair point, and we do try very hard to make sure that we cover as much as possible from any trade fair we attend, but space does limit us. It is unusual that we would have missed mentioning someone four times but taking his word for it we do seem to have managed it and will obviously look to correct that going forward. In the meantime, here is a photo of the crane at this years show.

## CCOS letter to OSHA

*The story of the letter provided by the SC&RA - the US based crane, rigging and heavy haulage association which is a member of the Coalition for Crane Operator Safety (CCOS) - in response to OSHA's draft clarification amendments to the new crane rule due to come into force in November can be seen on page seven. Here is part of a letter by the CCOS - a group of national labour, construction management, equipment manufacturers, insurance underwriters, and accredited certification organisations.*

### To Whom it may concern,

The members of CCOS are united in their view that, finally, after almost fourteen years since the Crane and Derrick Negotiated Rulemaking Advisory Committee (C-DAC) published its recommendation in July 2004, crane-operator requirements should be put in place in November.

### **CCOS agrees and supports the change in certification by type and capacity to certification by type and/or type and capacity.**

As noted in the Coalition's September 3, 2014, letter to then Labor Secretary Perez, "Union and open shop subject matter experts agree that certification by capacity provides no additional safety benefit beyond third-party verification by type." Additionally, during the March 31, 2015 meeting of the Advisory Committee for Construction Safety & Health (ACCSH), it was unanimously agreed to recommend that OSHA clarify the requirement for certification so that certification can be by type or by type and capacity. We applaud OSHA's recognition of this by the proposed change.

### **CCOS supports the retention of the crane operator recertification requirement and strongly recommends OSHA maintain the recertification requirements in 1926.1427(d)(1)(iv).**

Recertification establishes a baseline of ongoing assessment and supports an employer's unending obligation for continuing education and training on relevant national industry standards and government regulations. Certification covered under this standard, other than military, is required by a nationally accredited certifying body. In this case, those bodies are the American National Standards Institute (ANSI) and the National Commission for Certifying Agencies (NCCA). Both organizations, ANSI and NCCA, require recertification as a component of their accreditation. Recertification is also a fundamental element of the National and international standard for certifying bodies, ISO 17024-2012, ISO/IEC 17024:2012, Conformity assessment - General requirements for bodies operating certification of persons.

### **CCOS does not support the proposed language for employee evaluation procedures as written.**

Bill Smith, Executive Vice President, NBIS, appeared before the ACCSH committee on March 31, 2015 as the CCOS representative. At that time, Mr. Smith provided the coalition's recommended changes to the proposed language regarding employer evaluation. ACCSH unanimously recommended OSHA use the text submitted by Mr. Smith as a substitute for the draft text language for evaluation. The Coalition recommends OSHA use the proposed language previously submitted.

As stated in CCOS' May 1, 2018 letter to Members of Congress, "the certification of crane operators provides undeniable safety benefits to employers, employees and the general public through a professionally-developed, accredited certification - certifications that have represented a leading industry practice for more than two decades." Accordingly, the Coalition strongly urges OSHA ignore efforts to undermine the certification requirement for crane operators and to finalize the crane rule in November.

The full CCOS letter can be viewed here

[www.scranet.org/SCRADocs/CCOS\\_Docket\\_Comments\\_7\\_5\\_18\\_NL.pdf](http://www.scranet.org/SCRADocs/CCOS_Docket_Comments_7_5_18_NL.pdf)

The full SC&RA comment and letter can be viewed at [www.scranet.org/SCRA/News\\_Release/Newsletter/Association\\_News/SCRA\\_Responds\\_to\\_OSHAs\\_Proposed\\_Crane\\_Operator\\_Certification.aspx](http://www.scranet.org/SCRA/News_Release/Newsletter/Association_News/SCRA_Responds_to_OSHAs_Proposed_Crane_Operator_Certification.aspx)

## JCB scissor lithium battery pack

### Dear Editor

These are the JCB Li-On configurations. They use the Victron Energy Blue Power LiFePO4 12.8v 90Ah Smart units. Usual fitment is four Trojan T105-LPT @ 225ah. The premium for this is £2,500.00 plus vat. So you have 2.16kWh stored vs 5.4kWh stored. Differential factor is 2.5. So you will have to opportunity charge i.e.stop the crew from working in the same ratio.

Surprisingly enough at the end of Vertikal Days despite one salesman selling 80 units JCB had not sold a single Li-On unit.



*Lithium ion batteries are said to be far denser in power storage terms than lead acid and therefore would offer substantially more power and battery life. We have in the past raised the point that before going to the expense of lithium ion batteries more might be gained from incorporating direct electric wheel drive in place of hydraulic motors. If you have anything to add to this please do not hold back.*

## Sorry to have missed it

### Dear Leigh,

As I look through the photos of Vertikal Days I seem to have missed one of the best so far, glad to see you stayed with a decent tarmac surface again it made a big difference at Silverstone last year. Hopefully you will be in the similar place next year when I will definitely attend - god willing. As I am taking the time to write for the first time I should tell you that this issue is one of your best yet! Particularly the scissor lift story and the HMF visit both right up my street of interest. But also it is good to get an industrial paper that is interesting to read and good to look at. Hope it is bringing you much wealth. You deserve it!

Good luck to your hard working team.

**Bengt Jonsson**

*Letters like this always welcome and a pleasure, please send us more. Seriously though, we would appreciate more of you telling us what you like and what you do not like - it helps enormously. And if you do not want us to publish your comments, that is not a problem. Just email us at editor@vertikal.net*

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## Crane Safety 2018

September 12, 2018  
UK Crane Safety conference by the Institution of Mechanical Engineers London, UK  
Tel: +44 (0)20 7973 1304  
www.imeche.org/events



## Verticaaldagen Benelux

November 6-8, 2018  
A specialist lifting event for the Benelux region Gorinchem, Netherlands  
Tel: +31 (0)6 30 421 042  
www.verticaaldagen.com



## Executive Hire Show

February 6-7 2019 Exhibition for the UK Tool Hire industry Coventry, UK  
Tel: +44 (0)1249 700770  
www.executivehireshow.co.uk



## Vertikal Days 2019

UK/Ireland crane and access event.  
May 2019  
Tel: +44 (0) 8448 155900  
www.vertikaldays.net



## GIS 2019

October 3-5, 2019  
The Italian Cranes & Access Show Piacenza, Italy  
Tel: +39 010 5704948  
www.gisexpo.it



## Platformers' Days 2018

14.-15. September  
German access and lifting event Hohenroda, Germany  
Tel: +40 5033 981742  
www.platformers-days.de



## Bauma China 2018

November 27-30, 2018  
Shanghai, China  
Tel: +49(0)89 94920251  
www.bauma-china.com



## IPAF Summit 2019

March 6th, 2019  
Annual summit and awards dinner. Dubai UAE.  
Tel: +44 (0)15395 66700  
www.ipaf.org



## Europlatform 2018

October 11, 2018  
The Europa Hotel, Belfast,  
Tel: +44 (0)15395 66700  
www.europlatform.info



## The Rental Show 2019

Anaheim February 17-20 2019  
Anaheim, California, USA  
Tel: +1 800 334 2177  
www.therentalshow.com



## Bauma 2019

April 8 -14th  
World's largest construction equipment exhibition, April Munich, Germany  
Tel: +49 (0) 89 51070  
www.bauma.de



## HIRE19

May 19, 2019  
Hire and Rental Industry Association annual convention, Melbourne, Australia.  
Tel: +61 (0)2 9998 2255  
www.hireandrental.com.au



## JDL Beaune 2019

September 25-27, 2019  
French cranes and access exhibition/event Beaune, France  
Tel: +33 (0)1 45 63 68 22  
jdlvents.cluster1.easy-hebergement.net/jdl2019



## ICUEE - The Demo Exp

October, 2019  
The US show for the utility industry  
Louisville, Kentucky., USA  
www.icuee.com



## 2020

### Conexpo 2020

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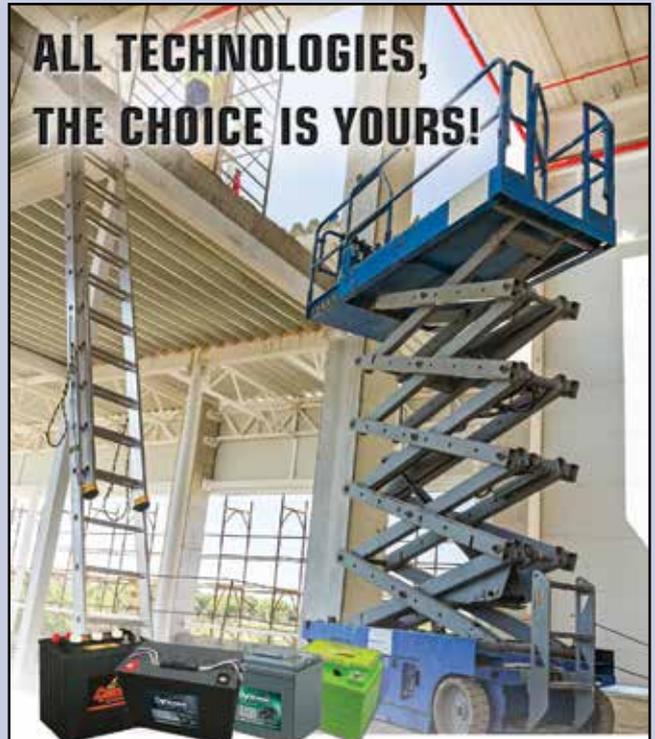


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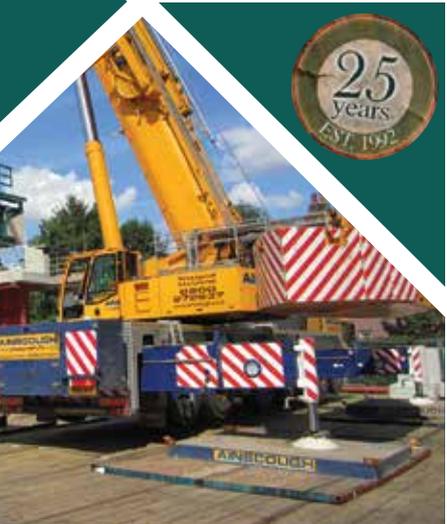
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1st Access Rentals	<a href="http://www.1staccessrentals.co.uk">www.1staccessrentals.co.uk</a>
2 Cousins Access Limited	<a href="http://www.2cousins.co.uk">www.2cousins.co.uk</a>
AA Access (Specialists)	<a href="http://www.aaaccess.co.uk">www.aaaccess.co.uk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

## Notified Body

Powered Access Certification	<a href="http://www.pac.uk.com">www.pac.uk.com</a>
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## New & Used Platforms

Access Platform Sales (APS)	<a href="http://www.accessplatforms.co.uk">www.accessplatforms.co.uk</a>
Advanced Access Platforms	<a href="http://www.aaplatforms.co.uk">www.aaplatforms.co.uk</a>
AFI Resale	<a href="http://www.afi-resale.co.uk">www.afi-resale.co.uk</a>
A.J. Access Platforms	<a href="http://www.accessplatforms.com">www.accessplatforms.com</a>
Baulift	<a href="http://www.baulift.de">www.baulift.de</a>
Davis Access	<a href="http://www.davisaccess.co.uk">www.davisaccess.co.uk</a>
Facelift	<a href="http://www.facelift.co.uk">www.facelift.co.uk</a>
Flesch	<a href="http://www.Flesch-Arbeitsbuehnen.de">www.Flesch-Arbeitsbuehnen.de</a>
Gantic Norway	<a href="http://www.gantic.no">www.gantic.no</a>
Genie	<a href="http://www.genielift.com">www.genielift.com</a>
GSR Aerial Platforms UK	<a href="http://en.gsrspa.it">http://en.gsrspa.it</a>
GT Access	<a href="http://www.gtaccess.co.uk">www.gtaccess.co.uk</a>
Height for Hire	<a href="http://www.heightforhire.com">www.heightforhire.com</a>
Hird	<a href="http://www.hird.co.uk">www.hird.co.uk</a>
JLG	<a href="http://www.jlgeurope.com">www.jlgeurope.com</a>
JMS Powered Access	<a href="http://www.jms.co.uk">www.jms.co.uk</a>
Kemp Hoogwerkers	<a href="http://www.kemphoogwerkers.nl">www.kemphoogwerkers.nl</a>
Kunze GmbH	<a href="http://www.kunze-buehnen.com">www.kunze-buehnen.com</a>
Lavendon Sales	<a href="http://www.lavendonsales.com">www.lavendonsales.com</a>
Leader	<a href="http://www.leader-piatt.it">www.leader-piatt.it</a>
Liftright Access	<a href="http://www.liftrightaccess.com">www.liftrightaccess.com</a>
Manlift Sales	<a href="http://www.manlift.ie">www.manlift.ie</a>
Mech-Serv (GB)	<a href="http://www.mech-serv.co.uk">www.mech-serv.co.uk</a>
Mr Plant Hire	<a href="http://www.mrplanthire.co.uk">www.mrplanthire.co.uk</a>
Nationwide Platforms	<a href="http://www.nationwideplatforms.co.uk/sales/">www.nationwideplatforms.co.uk/sales/</a>
North American Rentals	<a href="http://www.bigbooms.com">www.bigbooms.com</a>

Rothlehner	<a href="http://www.rothlehner.com">www.rothlehner.com</a>
Tracked Access	<a href="http://www.trackedaccess.com">www.trackedaccess.com</a>
Platform Sales	<a href="http://www.platformsales.co.uk">www.platformsales.co.uk</a>
Promax Access	<a href="http://www.promaxaccess.com">www.promaxaccess.com</a>
Rapid Platforms	<a href="http://www.rapidplatforms.co.uk">www.rapidplatforms.co.uk</a>
Reachmaster (USA)	<a href="http://www.reachmaster.com">www.reachmaster.com</a>
Riwal	<a href="http://www.riwal.com/used">www.riwal.com/used</a>
Turner Access	<a href="http://www.turner-access.co.uk">www.turner-access.co.uk</a>
TVH - Group	<a href="http://www.tvh.com">www.tvh.com</a>
Universal Platforms	<a href="http://www.universalplatforms.com">www.universalplatforms.com</a>
Utility Equipment	<a href="http://www.utility-equipment.com">www.utility-equipment.com</a>
Vertimac	<a href="http://www.vertimac.com">www.vertimac.com</a>
Wilson Access	<a href="http://www.wilsonaccess.co.uk">www.wilsonaccess.co.uk</a>
Workplatform	<a href="http://www.workplatformltd.co.uk">www.workplatformltd.co.uk</a>

## Special/Bespoke Access & Lifting Solutions

Access Platform Sales (APS)	<a href="http://www.iapsgroup.com">www.iapsgroup.com</a>
GT Lifting Solutions	<a href="http://www.gtliftingltd.co.uk">www.gtliftingltd.co.uk</a>
Ladder Safety Devices	<a href="http://www.laddersafetydevices.co.uk">www.laddersafetydevices.co.uk</a>
JMS Powered Access	<a href="http://www.jms.co.uk">www.jms.co.uk</a>
Liftright Access	<a href="http://www.liftrightaccess.com">www.liftrightaccess.com</a>
Mantis Access	<a href="http://www.mantisaccess.co.uk">www.mantisaccess.co.uk</a>
Nationwide Platforms	<a href="http://www.nationwideplatforms.co.uk/Hire">www.nationwideplatforms.co.uk/Hire</a>
Planet Platforms	<a href="http://www.planetplatforms.com">www.planetplatforms.com</a>
Platform Sales & Hire	<a href="http://www.platformsales.co.uk">www.platformsales.co.uk</a>
Ranger Equipment	<a href="http://www.spiderlift.co.uk">www.spiderlift.co.uk</a>
Warren Access	<a href="http://www.warrenaccess.co.uk/hire">www.warrenaccess.co.uk/hire</a>
Working At Height Ltd	<a href="http://www.workingatheightltd.com">www.workingatheightltd.com</a>
Workplatform	<a href="http://www.workplatformltd.co.uk">www.workplatformltd.co.uk</a>

## Special & Niche Access

Acrolift	<a href="http://www.acrolift.co.uk">www.acrolift.co.uk</a>
DENKA Narrow	<a href="http://www.rothlehner.com">www.rothlehner.com</a>
Easy Reach Scotland	<a href="http://www.easyreachscotland.co.uk">www.easyreachscotland.co.uk</a>
Facelift	<a href="http://www.facelift.co.uk">www.facelift.co.uk</a>
Height for Hire	<a href="http://www.heightforhire.com">www.heightforhire.com</a>
High Access Hire	<a href="http://www.highaccesshire.co.uk">www.highaccesshire.co.uk</a>
Higher Access	<a href="http://www.higheraccess.co.uk">www.higheraccess.co.uk</a>
JMS Powered Access	<a href="http://www.jms.co.uk">www.jms.co.uk</a>
Rapid Platforms	<a href="http://www.rapidplatforms.co.uk">www.rapidplatforms.co.uk</a>
Smart Platform Rentals	<a href="http://www.smartplatforms.co.uk">www.smartplatforms.co.uk</a>
Special Equipment	<a href="http://www.special-equipment.eu">www.special-equipment.eu</a>
Universal Platforms	<a href="http://www.universalplatforms.com">www.universalplatforms.com</a>
Utility Equipment	<a href="http://www.utility-equipment.com">www.utility-equipment.com</a>
Wilson Access	<a href="http://www.wilsonaccess.co.uk">www.wilsonaccess.co.uk</a>

## Special Lift & Transport Equipment

Arnold Scherlaser GmbH & Co.KG	<a href="http://www.arnold-scherlaser.de">www.arnold-scherlaser.de</a>
Collett A Sons, UK	<a href="http://www.collett.co.uk">www.collett.co.uk</a>
Wagenborg Nedlift, NL	<a href="http://www.wagenborg.com">www.wagenborg.com</a>

## Heavy Transport/Abnormal Loads

Collett A Sons, UK	<a href="http://www.collett.co.uk">www.collett.co.uk</a>
S.A. Smith	<a href="http://www.sa-smith.co.uk">www.sa-smith.co.uk</a>

## Self-Propelled Modular Transporters

Collett & Sons, UK	<a href="http://www.collett.co.uk">www.collett.co.uk</a>
Wagenborg Nedlift, NL	<a href="http://www.wagenborg.com">www.wagenborg.com</a>

## Telescopic Handler Manufacturers

Dieci Telehandlers Ltd	<a href="http://www.dieci-telehandlers.co.uk">www.dieci-telehandlers.co.uk</a>
Genie	<a href="http://www.genielift.com">www.genielift.com</a>
Haulotte	<a href="http://www.haulotte.com">www.haulotte.com</a>
JLG	<a href="http://www.jlgeurope.com">www.jlgeurope.com</a>
Manitou	<a href="http://www.manitou.com">www.manitou.com</a>
Merlo	<a href="http://www.merlo.co.uk">www.merlo.co.uk</a>

## New & Used Telehandlers

Dieci Telehandlers	<a href="http://www.dieci.com">www.dieci.com</a>
GT Lifting Solutions	<a href="http://www.gtlift.co.uk">www.gtlift.co.uk</a>
Industrial Access	<a href="http://www.industrialaccess.ro">www.industrialaccess.ro</a>
Lisman	<a href="http://www.lisman.nl">www.lisman.nl</a>
Riwal	<a href="http://www.riwal.com/used">www.riwal.com/used</a>
TVH Group	<a href="http://www.tvh.com">www.tvh.com</a>
Vertimac	<a href="http://www.vertimac.com">www.vertimac.com</a>
VHS Vissers Heftruck Service	<a href="http://www.vhsblad.nl">www.vhsblad.nl</a>

## Telehandler Rental

ABBA	<a href="http://www.abbaplanthire.co.uk">www.abbaplanthire.co.uk</a>
GT Lifting Solutions	<a href="http://www.gtliftingltd.co.uk">www.gtliftingltd.co.uk</a>
JMS Powered Access	<a href="http://www.jms.co.uk">www.jms.co.uk</a>
Mr Plant Hire	<a href="http://www.mrplanthire.co.uk">www.mrplanthire.co.uk</a>
Readyplant Ltd	<a href="http://www.readyplant.co.uk">www.readyplant.co.uk</a>

## Site Safety Audits

Access Safety Management	<a href="http://www.accesssafety.co.uk">www.accesssafety.co.uk</a>
Alfa Access Services	<a href="http://www.alfa-access-services.com">www.alfa-access-services.com</a>

## Industry Associations

ALLMI	<a href="http://www.allmi.com">www.allmi.com</a>
CICA	<a href="http://www.cica.com.au/">www.cica.com.au/</a>
CISRS	<a href="http://www.cisrs.org.uk">www.cisrs.org.uk</a>
CPA	<a href="http://www.cpa.uk.net">www.cpa.uk.net</a>
EWPA	<a href="http://www.ewpa.com.au">www.ewpa.com.au</a>
IPAF	<a href="http://www.ipaf.org">www.ipaf.org</a>
NASC	<a href="http://www.nasc.org.uk">www.nasc.org.uk</a>
OSHA	<a href="http://www.osha.gov">www.osha.gov</a>
PASMA	<a href="http://www.pasma.co.uk">www.pasma.co.uk</a>

## Crane Manufacturers

Böcker Maschinenwerke	<a href="http://www.boecker.de">www.boecker.de</a>
Galizia	<a href="http://www.galiziagrupo.com">www.galiziagrupo.com</a>
Grove	<a href="http://www.groveworldwide.com">www.groveworldwide.com</a>
HCME (Hitachi-Sumitomo)	<a href="http://www.nrcplant.co.uk">www.nrcplant.co.uk</a>
Jekko Minicrane	<a href="http://www.jekko.it">www.jekko.it</a>
JMG	<a href="http://www.jmgcranes.com">www.jmgcranes.com</a>
Klaas	<a href="http://www.utility-equipment.com">www.utility-equipment.com</a>
Kobelco	<a href="http://www.kobelco-global.com">www.kobelco-global.com</a>
Liebherr	<a href="http://www.liebherr.com">www.liebherr.com</a>
Linden Comansa	<a href="http://www.comansa.com">www.comansa.com</a>
Maeda	<a href="http://www.maedaminicran.es.co.uk">www.maedaminicran.es.co.uk</a>
Manitowoc	<a href="http://www.manitowoccranes.com">www.manitowoccranes.com</a>
Mantis Cranes	<a href="http://www.mantiscranes.ie">www.mantiscranes.ie</a>
Ormig	<a href="http://www.ormig.co.uk">www.ormig.co.uk</a>
Potain	<a href="http://www.manitowoccranes.com">www.manitowoccranes.com</a>
Raimondi	<a href="http://www.raimondi.co">www.raimondi.co</a>
Sany	<a href="http://www.sany.com.cn">www.sany.com.cn</a>
Sennebogen	<a href="http://www.sennebogen.com">www.sennebogen.com</a>
Spierings	<a href="http://www.spieringskranen.nl">www.spieringskranen.nl</a>
Tadano	<a href="http://www.tadano.com">www.tadano.com</a>
Tadano Japan	<a href="http://www.tadano.com">www.tadano.com</a>
Terex-Demag	<a href="http://www.terex-cranes.com">www.terex-cranes.com</a>
Unic Cranes	<a href="http://www.unic-cranes.co.uk">www.unic-cranes.co.uk</a>
Valla	<a href="http://www.valla-cranes.co.uk">www.valla-cranes.co.uk</a>
Wolffkran	<a href="http://www.wolffkran.de">www.wolffkran.de</a>
Zoomlion	<a href="http://www.zoomlioncranes.co.uk">www.zoomlioncranes.co.uk</a>

## Lorry/Truck Loader Cranes

Atlas Cranes UK	<a href="http://www.atlasgmbh.com">www.atlasgmbh.com</a>
Effer	<a href="http://www.effer.it">www.effer.it</a>
Hiab	<a href="http://www.hiab.com">www.hiab.com</a>
Palfinger	<a href="http://www.palfinger.com">www.palfinger.com</a>
Penny Hydraulics	<a href="http://www.pennyhydraulics.com">www.pennyhydraulics.com</a>
PM Cranes	<a href="http://www.pm-group.eu">www.pm-group.eu</a>

## New & Used Cranes

AGD Equipment	<a href="http://www.agd-equipment.co.uk">www.agd-equipment.co.uk</a>
Cotec Oy	<a href="http://www.cranefi.com">www.cranefi.com</a>
Cranes4Cranes	<a href="http://www.cranes4cranes.com">www.cranes4cranes.com</a>
Cranes UK	<a href="http://www.cranesuk.net">www.cranesuk.net</a>
Crowland Cranes	<a href="http://www.crowlandcranes.co.uk">www.crowlandcranes.co.uk</a>
Delden Cranes	<a href="http://www.deldencranes.co.uk">www.deldencranes.co.uk</a>
Electrogen Int	<a href="http://www.electrogen.ie">www.electrogen.ie</a>
IMC Cranes	<a href="http://www.imc-cranes.com">www.imc-cranes.com</a>
Hird	<a href="http://www.hird.co.uk">www.hird.co.uk</a>
Jones-Iron Fairy	<a href="http://www.jonesironfairy.co.uk">www.jonesironfairy.co.uk</a>
Kobelco	<a href="http://www.kobelco-cranes.com">www.kobelco-cranes.com</a>
Leader	<a href="http://www.leader-piatt.it">www.leader-piatt.it</a>
London Tower Cranes	<a href="http://www.londontowercranes.co.uk">www.londontowercranes.co.uk</a>
Maeda	<a href="http://www.maedaminicranes.co.uk">www.maedaminicranes.co.uk</a>
Mantis Cranes	<a href="http://www.mantiscranes.co.uk">www.mantiscranes.co.uk</a>
M. Stemick	<a href="http://www.stemick-krane.de">www.stemick-krane.de</a>
NRC	<a href="http://www.nrcplant.co.uk">www.nrcplant.co.uk</a>
P.V. Adrighem BV	<a href="http://www.adrighem.com">www.adrighem.com</a>
Rivertek Services	<a href="http://www.rivertekservices.com">www.rivertekservices.com</a>
Terex Demag	<a href="http://www.terex-cranes.com">www.terex-cranes.com</a>
Transloader Services	<a href="http://www.transloaderservices.co.uk">www.transloaderservices.co.uk</a>
Utility Equipment	<a href="http://www.utility-equipment.com">www.utility-equipment.com</a>

## Heavy Lifting Equipment

Lifting Gear UK	<a href="http://www.lifting-equipment.co.uk">www.lifting-equipment.co.uk</a>
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## Furniture Hoists

Böcker	<a href="http://www.boecker.de">www.boecker.de</a>
The Furniture Hoist Co	<a href="http://www.furniturehoists.co.uk">www.furniturehoists.co.uk</a>
Utility Equipment	<a href="http://www.utility-equipment.com">www.utility-equipment.com</a>

## Crane Hire

AB2000	<a href="http://www.ab2000.co.uk">www.ab2000.co.uk</a>
ABBA	<a href="http://www.abaplanthire.co.uk">www.abaplanthire.co.uk</a>
Ainscough	<a href="http://www.ainscough.co.uk">www.ainscough.co.uk</a>
Berry Cranes	<a href="http://www.berrycranes.co.uk">www.berrycranes.co.uk</a>
Bob Francis Crane Hire	<a href="http://www.bobfranciscranehire.co.uk">www.bobfranciscranehire.co.uk</a>
Bryn Thomas Cranes	<a href="http://www.brynthomascranes.com">www.brynthomascranes.com</a>
Cork Crane Hire (Liverpool)	<a href="http://www.corkcranehire.com">www.corkcranehire.com</a>
Crane Hire Ltd	<a href="http://www.cranehireltd.com">www.cranehireltd.com</a>
City Lifting	<a href="http://www.citylifting.co.uk">www.citylifting.co.uk</a>
Delden Cranes	<a href="http://www.deldencranes.co.uk">www.deldencranes.co.uk</a>
Emerson	<a href="http://www.emersoncranes.co.uk">www.emersoncranes.co.uk</a>
J&M Crane Hire	<a href="http://www.jandmcranehire.co.uk">www.jandmcranehire.co.uk</a>
John Sutch Cranes	<a href="http://www.johnsutchcranes.co.uk">www.johnsutchcranes.co.uk</a>
King Lifting	<a href="http://www.kinglifting.co.uk">www.kinglifting.co.uk</a>
Ladybird tower crane hire	<a href="http://www.ladybirdcranehire.co.uk">www.ladybirdcranehire.co.uk</a>
London Tower Cranes	<a href="http://www.londontowercranes.co.uk">www.londontowercranes.co.uk</a>
Mantis Cranes	<a href="http://www.mantiscranes.co.uk">www.mantiscranes.co.uk</a>
McNally crane hire	<a href="http://www.cranehire-ireland.com">www.cranehire-ireland.com</a>
NRC	<a href="http://www.nrcplant.co.uk">www.nrcplant.co.uk</a>
Port Services Heavy Crane division	<a href="http://www.portservices.co.uk">www.portservices.co.uk</a>

## Mini Crane Hire

A Mini Crane Hire	<a href="http://www.aminicranehire.co.uk">www.aminicranehire.co.uk</a>
Easy Reach Scotland	<a href="http://www.easyreachscotland.co.uk">www.easyreachscotland.co.uk</a>
Emerson	<a href="http://www.emersoncranes.co.uk">www.emersoncranes.co.uk</a>
GGR	<a href="http://www.unic-cranes.co.uk">www.unic-cranes.co.uk</a>
Height for Hire	<a href="http://www.heightforhire.com">www.heightforhire.com</a>
Hire Maeda	<a href="http://www.maedaminicranes.co.uk">www.maedaminicranes.co.uk</a>
JT Mini Crane Hire	<a href="http://www.jtminicranes.co.uk">www.jtminicranes.co.uk</a>
Lift Limited	<a href="http://www.liftminicranehire.co.uk">www.liftminicranehire.co.uk</a>
NRC	<a href="http://www.nrcplant.co.uk">www.nrcplant.co.uk</a>
Hird	<a href="http://www.hird.co.uk">www.hird.co.uk</a>

## Self Erecting Tower Cranes

Bryn Thomas Cranes	<a href="http://www.brynthomascranes.com">www.brynthomascranes.com</a>
City Lifting	<a href="http://www.citylifting.co.uk">www.citylifting.co.uk</a>
Electrogen Int	<a href="http://www.electrogen.ie">www.electrogen.ie</a>
John Sutch Cranes	<a href="http://www.johnsutchcranes.co.uk">www.johnsutchcranes.co.uk</a>
King Lifting	<a href="http://www.kinglifting.co.uk">www.kinglifting.co.uk</a>
Ladybird tower	<a href="http://www.ladybirdcranehire.co.uk">www.ladybirdcranehire.co.uk</a>

## Tower Cranes

London Tower Cranes	<a href="http://www.londontowercranes.co.uk">www.londontowercranes.co.uk</a>
Electrogen Int	<a href="http://www.electrogen.ie">www.electrogen.ie</a>

## Heavy Lift Management

DWLS	<a href="http://www.dwls.co.uk">www.dwls.co.uk</a>
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## Heavy Lift Planning & Risk Analysis

DWLS	<a href="http://www.dwls.com">www.dwls.com</a>
HCI Consulting	<a href="http://www.hiconsulting.com">www.hiconsulting.com</a>

## Ancillary Equipment

TMC lifting supplies	<a href="http://www.tmc-lifting.com">www.tmc-lifting.com</a>
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## Auction Houses

Ritchie Brothers	<a href="http://www.rbauktion.com">www.rbauktion.com</a>
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## Battery Suppliers & Manufacturers

Shield Batteries	<a href="http://www.shieldbatteries.co.uk">www.shieldbatteries.co.uk</a>
Trojan Battery	<a href="http://www.trojanbattery.com">www.trojanbattery.com</a>
Platinum International	<a href="http://www.platinuminternational.com">www.platinuminternational.com</a>

## Load Cells & Load Monitoring Systems

Force Logic UK Ltd	<a href="http://www.force-logic.co.uk">www.force-logic.co.uk</a>
MSL Oilfield Services Ltd	<a href="http://www.msluk.net">www.msluk.net</a>
PCE Instruments UK Ltd	<a href="http://www.pce-instruments.com">www.pce-instruments.com</a>

## Control Systems

MOBA Automation	<a href="http://www.moba.de">www.moba.de</a>
Intercontrol	<a href="http://www.intercontrol.de">www.intercontrol.de</a>

## Generator Sales & Rental

Electrogen Int	<a href="http://www.electrogen.ie">www.electrogen.ie</a>
JMS Powered Access	<a href="http://www.jms.co.uk">www.jms.co.uk</a>

## Insurance

Specialist Insurance	<a href="http://www.cover1.com">www.cover1.com</a>
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## Online Technical Help

Crane Tools	<a href="http://www.cranetools.com">www.cranetools.com</a>
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## Outrigger Pads, Mats & Roadways

Alimats	<a href="http://www.craneriggermats.co.uk">www.craneriggermats.co.uk</a>
GTP Europe	<a href="http://www.gtp-europe.com">www.gtp-europe.com</a>
Marwood	<a href="http://www.marwoodgroup.co.uk">www.marwoodgroup.co.uk</a>
Mat & Timber Services	<a href="http://www.sarumhardwood.co.uk">www.sarumhardwood.co.uk</a>
Nolim	<a href="http://www.nolim.nl">www.nolim.nl</a>
Outriggerpads	<a href="http://www.outriggerpads.co.uk">www.outriggerpads.co.uk</a>
Timbermat	<a href="http://www.timbermat.co.uk">www.timbermat.co.uk</a>
TMC lifting supplies	<a href="http://www.tmc-lifting.com">www.tmc-lifting.com</a>
Universal Crane Mats	<a href="http://www.universalcrane-mats.com">www.universalcrane-mats.com</a>
Welex Group	<a href="http://www.welexgroup.com">www.welexgroup.com</a>

## Component Suppliers

Cone Drive	<a href="http://www.conedrive.com">www.conedrive.com</a>
PCE Instruments UK Ltd	<a href="http://www.pce-instruments.com">www.pce-instruments.com</a>
UE Components	<a href="http://www.ue-components.com">www.ue-components.com</a>

## Parts & Service Suppliers

Aerial & Handling Services	<a href="http://www.aerialandhandlingservices.com">www.aerialandhandlingservices.com</a>
Alfa Access Services	<a href="http://www.alfa-access-services.com">www.alfa-access-services.com</a>
Amerparts	<a href="http://www.amerparts.net">www.amerparts.net</a>
Caution - Access	<a href="http://www.caution-access.com">www.caution-access.com</a>
Cone Drive	<a href="http://www.conedrive.com">www.conedrive.com</a>
Crowland Cranes	<a href="http://www.crowlandcranes.co.uk">www.crowlandcranes.co.uk</a>
C-Tech Industries	<a href="http://www.ctech-ind.com">www.ctech-ind.com</a>
Davis Access Platforms	<a href="http://www.davisaccess.co.uk">www.davisaccess.co.uk</a>
Donghua Limited	<a href="http://www.donghua.co.uk">www.donghua.co.uk</a>
Electrogen Int	<a href="http://www.electrogen.ie">www.electrogen.ie</a>
IPS	<a href="http://www.ipspartsonline.com">www.ipspartsonline.com</a>
JLG	<a href="http://www.jlgeurope.com">www.jlgeurope.com</a>
Lift-Manager	<a href="http://www.lift-manager.com">www.lift-manager.com</a>
OTR Wheel Engineering Europe	<a href="http://www.otrwheel.co.uk">www.otrwheel.co.uk</a>
TVH - Group Thermote & Vanhalst	<a href="http://www.tvh.be">www.tvh.be</a>
UE Components	<a href="http://www.ue-components.com">www.ue-components.com</a>
Unified Parts	<a href="http://www.unifiedparts.com">www.unifiedparts.com</a>
Vertimac	<a href="http://www.vertimac.com">www.vertimac.com</a>
Workplatform	<a href="http://www.workplatformltd.co.uk">www.workplatformltd.co.uk</a>

## Innovations

Aerial & Handling Services Ltd	<a href="http://www.aerialandhandlingservices.com">www.aerialandhandlingservices.com</a>
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## Recruitment

Vertikal.Net	<a href="http://www.vertikal.net/en/recruitment">www.vertikal.net/en/recruitment</a>
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## Rental Management Software

Higher Concept Software	<a href="http://www.higherconcept.co.uk">www.higherconcept.co.uk</a>
Inspire	<a href="http://www.inspire.com">www.inspire.com</a>
MCS Rental Software	<a href="http://www.mcs.co.uk">www.mcs.co.uk</a>

## Replacement Filters

Plant Filters	<a href="http://www.plantfilters.co.uk">www.plantfilters.co.uk</a>
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## Safety Equipment

AGS	<a href="http://www.ags-btp.fr">www.ags-btp.fr</a>
Airtek equipment	<a href="http://www.airteksafety.com">www.airteksafety.com</a>
Heaton Trestle Handrail System	<a href="http://www.heatonproducts.co.uk">www.heatonproducts.co.uk</a>
Heaton Scaffold Towers	<a href="http://www.heatonproducts.co.uk">www.heatonproducts.co.uk</a>
Load Systems UK Ltd	<a href="http://www.loadsystems.com">www.loadsystems.com</a>
Mantracourt Electronics	<a href="http://www.wirelessensorsystem.com">www.wirelessensorsystem.com</a>
Marwood	<a href="http://www.marwoodgroup.co.uk">www.marwoodgroup.co.uk</a>

## SMIE

	<a href="http://www.smie.com">www.smie.com</a>
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## Software

Higher Concept	<a href="http://www.higherconcept.co.uk">www.higherconcept.co.uk</a>
inspire	<a href="http://www.inspire.com">www.inspire.com</a>
Matusch GmbH	<a href="http://www.matusch.de">www.matusch.de</a>
MCS Rental Software	<a href="http://www.mcs.co.uk">www.mcs.co.uk</a>

## Structural Repairs

Avezaat Cranes	<a href="http://www.avezaat.com">www.avezaat.com</a>
Crowland Cranes	<a href="http://www.crowlandcranes.co.uk">www.crowlandcranes.co.uk</a>
John Taylor Crane Services	<a href="http://www.jtcranes.co.uk">www.jtcranes.co.uk</a>

## Training Associations & Networks

ALLMI	<a href="http://www.allmi.com">www.allmi.com</a>
AWPT	<a href="http://www.awpt.org">www.awpt.org</a>
IPAF	<a href="http://www.ipaf.org">www.ipaf.org</a>
NASC	<a href="http://www.nasc.org.uk">www.nasc.org.uk</a>
Pasma	<a href="http://www.pasma.co.uk">www.pasma.co.uk</a>

## Training Centres & Trainers

Access Platforms Direct	<a href="http://www.accessplatformsdirect.co.uk">www.accessplatformsdirect.co.uk</a>
Access Platform Sales (APS)	<a href="http://www.iapsgroup.com">www.iapsgroup.com</a>
Astra Access	<a href="http://www.astratraining.co.uk">www.astratraining.co.uk</a>
Boss Training	<a href="http://www.bosstraining.co.uk">www.bosstraining.co.uk</a>
Active Safety	<a href="http://www.activerentals.co.uk">www.activerentals.co.uk</a>
Advanced Access Platforms	<a href="http://www.accessplatformsuk.com">www.accessplatformsuk.com</a>
Ainscough	<a href="http://www.ainscoughtraining.co.uk">www.ainscoughtraining.co.uk</a>
AJ Access	<a href="http://www.accessplatforms.com">www.accessplatforms.com</a>
Approved Safety Training -Ca	<a href="http://www.approvedsafetytraining.com">www.approvedsafetytraining.com</a>
CMT	<a href="http://www.c-m-t.co.uk">www.c-m-t.co.uk</a>
Elevation	<a href="http://www.elevation.net">www.elevation.net</a>
Emerson	<a href="http://www.emersoncranes.com/training">www.emersoncranes.com/training</a>
GT Access	<a href="http://www.gtaccess.co.uk">www.gtaccess.co.uk</a>
IAPS	<a href="http://www.iapsgroup.com">www.iapsgroup.com</a>
Lift-Manager	<a href="http://www.lift-manager.com">www.lift-manager.com</a>
ITC Training Services	<a href="http://www.itctrainingservices.co.uk">www.itctrainingservices.co.uk</a>
Mentor Training Solutions	<a href="http://www.mentortrainingsolutions.co.uk">www.mentortrainingsolutions.co.uk</a>
Nationwide Platforms	<a href="http://www.nationwideplatforms.co.uk/Training">www.nationwideplatforms.co.uk/Training</a>
SGB	<a href="http://www.sgb.co.uk">www.sgb.co.uk</a>
Smart Platform Rentals	<a href="http://www.smartplatforms.com">www.smartplatforms.com</a>
Transloader Services	<a href="http://www.transloaderservices.co.uk">www.transloaderservices.co.uk</a>
TVH Group	<a href="http://www.tvh.com">www.tvh.com</a>
UTN	<a href="http://www.utntraining.co.uk">www.utntraining.co.uk</a>
Versalift Training Direct	<a href="http://www.versalift.co.uk/training">www.versalift.co.uk/training</a>
Warren	<a href="http://www.warrenaccesstraining.co.uk/courses/">www.warrenaccesstraining.co.uk/courses/</a>
Access Training Workplatform	<a href="http://www.workplatformltd.co.uk/customer-support/operator-training">www.workplatformltd.co.uk/customer-support/operator-training</a>

## Safety Training

Atlas Cranes UK	<a href="http://www.atlasgmbh.com">www.atlasgmbh.com</a>
Avon Crane	<a href="http://www.avoncrane.co.uk">www.avoncrane.co.uk</a>
Brogan Group	<a href="http://www.brogangroup.com">www.brogangroup.com</a>
Davis Access	<a href="http://www.davisaccess.co.uk">www.davisaccess.co.uk</a>
Emerson	<a href="http://www.emersontrainingservices.co.uk">www.emersontrainingservices.co.uk</a>
Height for Hire	<a href="http://www.heightforhire.com">www.heightforhire.com</a>

## Training Services

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

## Training Simulators

CM Labs	<a href="http://www.cm-labs.com">www.cm-labs.com</a>
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## Crane Attachments

Kinshofer	<a href="http://www.kinshofer.com">www.kinshofer.com</a>
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## Wire Rope & Cable

Teufelberger Seil	<a href="http://www.teufelberger.com">www.teufelberger.com</a>
TMC Lifting	<a href="http://www.tmc-lifting.com">www.tmc-lifting.com</a>
Casar	<a href="http://www.casar.de">www.casar.de</a>

## Winches & Hoists

Rotzler	<a href="http://www.rotzler.com">www.rotzler.com</a>
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## Tyre Suppliers

Mitas Tyres	<a href="http://www.mitas-tyres.com">www.mitas-tyres.com</a>
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## Traffic Management

Atlas Traffic Management	<a href="http://www.atlatstn.co.uk">www.atlatstn.co.uk</a>
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## Technical & Safety Consultancy

Access Safety Management	<a href="http://www.accesssafety.co.uk">www.accesssafety.co.uk</a>
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## Site Safety Audits

Access Safety Management	<a href="http://www.accesssafety.co.uk">www.accesssafety.co.uk</a>
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Make	Working Height	Year
Bronto S46XDT	46m	2005
Bronto S52XDT	52m	2006-2008
12.5m Vans 3.5t Cat	12.5m	2012-2013
15m Vans 5.2t Cat	15m	2010
16m Trucks 3.5t Cat	16m	2003-2013
17m Trucks 3.5t Cat	17m	2007-2009
22m Trucks 7.5t Cat	22m	2006-2010
29m Trucks 7.5t Cat	29m	2008

**Self Propelled Booms**

Make	Working Height	Year
Haulotte H21TX	21m	2006
Haulotte H23TPX	23m	2006
Haulotte H25TPX	25m	2006-2008
Nifty HR12NDE	12.2m	2007
Nifty HR12NDE	12.2m	2010
Nifty HR12NDE	12.2m	2012
Nifty HR15NDE	15.6m	2007
Nifty HR15NDE	15.6m	2012
Nifty HR21D 4x4	21.2m	2007
Haulotte Star 10	10m	2012

**Scissor Lifts**

Make	Working Height	Year
Skyjack SJ3219	7.8m	2009
Skyjack SJ3219	7.8m	2010
Skyjack SJ3219	7.8m	2011
Skyjack SJ3226	9.9m	2009
Skyjack SJ3226	9.9m	2010
Skyjack SJ3226	9.9m	2011
Skyjack SJ4632	11.8m	2010
Skyjack SJ4632	11.8m	2012
Skyjack SJ8831	11.4m	2006
Skyjack SJ8831	11.4m	2007
Skyjack SJ9250	17.3m	2008
Haulotte Op 8	7.8m	2006
Haulotte C14	13.8m	2017
Genie GS1932	7.6m	2017
Genie GS2632	9.8m	2017

**Low Level**

Make	Working Height	Year
Skyjack SJ12	5.6m	2012
Skyjack SJ16	6.7m	2012
Snorkel TM12	5.8m	2012
Power Tower Nano	4.5m	2017
Power Tower	5.1m	2017

**Trailer Mounted & Narrow Access**

Make	Working Height	Year
Nifty 90ME	9.5m	2013
Nifty 120TPET	12.2m	2015
Denka DL22N	22m	2005
Palazzani 20/22	20-22m	1996

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SCX800 80t 2009

Sumitomo LS238	100t	1992
Hitachi-Sumitomo SCX900-2	90t	2007
Hitachi-Sumitomo SCX900-2	90t	2008
Hitachi-Sumitomo SCX800-2HD	80t	2009



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July / August 2018

<p>V22840</p>  <p><b>Mec</b> 1932ES</p> <p>€ 3.250</p> <p>2009 ■ 243 Hrs</p> <p>Electric ■ 7,79 Mtr.</p>	<p>V24115</p>  <p><b>Genie</b> GS2646</p> <p>€ 4.750</p> <p>2005 ■ 715 Hrs</p> <p>Electric ■ 9,92 Mtr.</p>	<p>V25422</p>  <p><b>Skyjack</b> SJ4632</p> <p>€ 7.950</p> <p>2011 ■ 186 Hrs</p> <p>Electric ■ 11,8 Mtr.</p>	<p>V23961</p>  <p><b>JLG</b> 4069LE</p> <p>€ 13.500</p> <p>2008 ■ 374 Hrs</p> <p>Electric ■ 14,19 Mtr.</p>	<p>V25342</p>  <p><b>PB</b> S171-16E</p> <p>€ 16.950</p> <p>2009 ■ / Hrs</p> <p>Electric ■ 17,03 Mtr.</p>
<p>V22510</p>  <p><b>Genie</b> GS3390RT</p> <p>€ 14.950</p> <p>2007 ■ 1895 Hrs</p> <p>Diesel 4x4 ■ 12,06 Mtr.</p>	<p>V23977</p>  <p><b>JLG</b> 3394RT</p> <p>€ 15.950</p> <p>2008 ■ 1410 Hrs</p> <p>Diesel 4x4 ■ 12,06 Mtr.</p>	<p>V24105</p>  <p><b>Haulotte</b> H155XL</p> <p>€ 11.950</p> <p>2007 ■ / Hrs</p> <p>Diesel 4x4 ■ 15 Mtr.</p>	<p>V23982</p>  <p><b>JLG</b> 4394RT</p> <p>€ 18.950</p> <p>2008 ■ 1518 Hrs</p> <p>Diesel 4x4 ■ 15,11 Mtr.</p>	<p>V25026</p>  <p><b>JLG</b> SL 153-22</p> <p>€ 7.500</p> <p>2001 ■ 2006 Hrs</p> <p>Diesel 4x4 ■ 17,3 Mtr.</p>
<p>V25142</p>  <p><b>Haulotte</b> HA121P</p> <p>€ 10.500</p> <p>2004 ■ 208 Hrs</p> <p>Electric ■ 12 Mtr.</p>	<p>V25270</p>  <p><b>Genie</b> Z34-22N</p> <p>€ 7.950</p> <p>1998 ■ 1012 Hrs</p> <p>Electric ■ 12,52 Mtr.</p>	<p>V25303</p>  <p><b>JLG</b> E400AJPN</p> <p>€ 15.500</p> <p>2007 ■ 990 Hrs</p> <p>Electric ■ 14,19 Mtr.</p>	<p>V25437</p>  <p><b>Manitou</b> 150AETJC</p> <p>€ 21.000</p> <p>2011 ■ 184 Hrs</p> <p>Electric ■ 14,8 Mtr.</p>	<p>V25330</p>  <p><b>Genie</b> Z45-25JDC</p> <p>€ 15.950</p> <p>2007 ■ 670 Hrs</p> <p>Electric ■ 15,92 Mtr.</p>
<p>V25202</p>  <p><b>Haulotte</b> HA12PX</p> <p>€ 12.950</p> <p>2007 ■ 332 Hrs</p> <p>Diesel 4x4 ■ 12,62 Mtr.</p>	<p>V25239</p>  <p><b>JLG</b> 450AJ</p> <p>€ 15.950</p> <p>2007 ■ 4113 Hrs</p> <p>Diesel 4x4 ■ 15,72 Mtr.</p>	<p>V25174</p>  <p><b>Genie</b> Z45-25JRT</p> <p>€ 14.950</p> <p>2006 ■ 1002 Hrs</p> <p>Diesel 4x4 ■ 16 Mtr.</p>	<p>V24000</p>  <p><b>JLG</b> 800AJ</p> <p>€ 36.500</p> <p>2008 ■ 5045 Hrs</p> <p>Diesel 4x4 ■ 26,38 Mtr.</p>	<p>V24983</p>  <p><b>Haulotte</b> HA32PX</p> <p>€ 42.500</p> <p>2005 ■ 6709 Hrs</p> <p>Diesel 4x4 ■ 32 Mtr.</p>
<p>V25295</p>  <p><b>Aichi</b> SR12B</p> <p>€ 21.000</p> <p>2006 ■ 5593 Hrs</p> <p>Diesel 4x4 ■ 14 Mtr.</p>	<p>V21807</p>  <p><b>Haulotte</b> H16TPX</p> <p>€ 9.950</p> <p>2006 ■ 2252 Hrs</p> <p>Diesel 4x4 ■ 15,44 Mtr.</p>	<p>V23994</p>  <p><b>JLG</b> 660SJ</p> <p>€ 27.500</p> <p>2007 ■ 4941 Hrs</p> <p>Diesel 4x4 ■ 22,32 Mtr.</p>	<p>V24517</p>  <p><b>Haulotte</b> H23TPX</p> <p>€ 17.950</p> <p>2008 ■ 2961 Hrs</p> <p>Diesel 4x4 ■ 22,6 Mtr.</p>	<p>V25237</p>  <p><b>JLG</b> 860SJ</p> <p>€ 74.500</p> <p>2014 ■ 1157 Hrs</p> <p>Diesel 4x4 ■ 28,21 Mtr.</p>

More information?

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**7.92**  
METRE

**500**  
HOURS

**6**  
UNITS AVAILABLE

**BATTERY**

Genie GS-2032 €4850

2004



**9.75**  
METRE

**500**  
HOURS

**4**  
UNITS AVAILABLE

**BATTERY**

Genie GS-2646 €4850

2005



**11.58**  
METRE

**400**  
HOURS

**8**  
UNITS AVAILABLE

**BATTERY**

Genie GS-3246 €7900

2007



**11.50**  
METRE

**2000**  
HOURS

**4**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

Skyjack SJ-6832 RT €11500

2007



**12.50**  
METRE

**1500**  
HOURS

**20+**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

Skyjack SJ-7135 RT €8950

2007



**17.07**  
METRE

**2000**  
HOURS

**12**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

Skyjack SJ-9250 RT €15950

2007



**15.90**  
METRE

**3000**  
HOURS

**15+**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

Genie Z-45/25 JRT €22500

2005



**12.52**  
METRE

**650**  
HOURS

**6**  
UNITS AVAILABLE

**BATTERY**

Genie Z-34/22N €11500

2006



**20.22**  
METRE

**3000**  
HOURS

**6**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

Genie Z-60/34 JRT €26950

2014



**14.00**  
METRE

**400**  
HOURS

**6**  
UNITS AVAILABLE

**TRACKED**

**D DIESEL BATTERY**

Hinowa 14.70 III S €25950

2005



**13.4**  
METRE

**2**  
UNITS AVAILABLE

**BATTERY**

Upright AB 38 €11950

2008



**21.97**  
METRE

**3500**  
HOURS

**5**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

JLG 660 SJ €33000

2008



**28.00**  
METRE

**4000**  
HOURS

**6**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

JLG 860 SJ €49000

2008



**40.00**  
METRE

**4000**  
HOURS

**6**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

JLG 1250 AJP POA

2008



**42.90**  
METRE

**4000**  
HOURS

**3**  
UNITS AVAILABLE

**4WD**

**D DIESEL**

JLG 1350 SJP POA

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- 30m Working Radius with 1,000kg
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- 360° Continuous Rotation
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