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By now, Brexit should have been done and dusted, but alas, the political turmoil not only continues, but deepens, and it is definitely not good for business; nor is the prolonged absence of a Northern Ireland Executive at Stormont.

The political and economic landscape, whichever way you look at it, could do with a few new, fresh thinking 'designers', but we all know that's not going to happen any day soon; we simply have to keep our heads down, our chins up, and carry on in the hope that something better might appear on the horizon. Which is what most of us in the plant, civil engineering, construction and quarrying sectors are doing – and doing well, thank you!

Just take a look through this latest issue of Plant & Civil Engineer; it's crammed full of positive stories from all corners of the industry, despite the underlying concerns and challenges.

We take a look at a very successful Executive Hire show, and we look forward to a record breaking bauma 2019; we also have a preview of the forthcoming Balmoral Show and of the Vertikal Days Exhibition for those involved in all types of access and working at height equipment – yes, there is lots going on, and lots to look forward to.

We also feature a number of very encouraging 'customer focus' stories, as well as getting the 'view from the cab' of the latest Hidromek and Mecalac excavators, and we find out why GB Landscapes are big fans of the Kubota range of machines, in addition to reporting on what was the world's largest ever sale of excavators at Euro Auctions site in Leeds.

Perhaps by the time you are reading this, all our Brexit woes may have been resolved – but we won't hold our breath! Well, that's it for now, but do remember, you can keep up to date with what is happening across our industry by logging on to our website at www.plantandcivilengineer.com.

Justin Carrigan General Manager Email: Justin@4squaremedia.net



Sandvik QJ341 with Security+ gives SJ Walchester a major boost

A leading specialist recycler of construction and demolition waste from Stoke on Trent has received a major boost in operational productivity and efficiency. SJ Walchester's recently acquired QJ341 tracked jaw crusher from Sandvik has impressed all at the company with its reliability, effectiveness and ability to crush asphalt and tarmac even in warm weather.

SJ Walchester Ltd is a specialist in demolition, earthmoving and recycling. From the initial enquiry, through to completion of the job, the company aims to deliver on all projects the highest of standards of professionalism, provide quality workmanship and ensure health & safety is paramount in everything it does.

Being particularly noted for its demolition work, the company takes into account all factors ranging from the age of the building to the presence of



asbestos, providing its customers with the perfect bespoke solution.

Furthermore, once the building has been demolished, Steve Walchester and his team will recycle the resulting debris, where possible, turning the

waste materials into valuable and environmentally friendly aggregates and other building materials. In fact, SJ Walchester Ltd is well-known for supplying an extensive range of quarried and recycled aggregates for domestic and commercial projects across Stoke-on-Trent and the Potteries, whether it is MOT Type 1 aggregate, building sand, or large quantities of crushed stone, the company can supply it all.

As a company, Steve and his team at SJ Walchester have strict procedures which are implemented on site. Accurate waste segregation means the company can recycle a huge proportion of waste generated from demolished buildings.

Implementing a full dust suppression system on site throughout the works further enhances the environmental credentials of its modern and professional crushing and screening activities.

Being both proud of its hard-won reputation, and appreciative of the need to use the most advanced and effective equipment, Steve Walchester recently sought a new crushing solution for his recycled aggregates operation.

To this end, the company is now operating a Sandvik QJ341 tracked jaw crusher, basing its decision to use a Sandvik machine due to the performance of the crusher during its demonstration, and the exceptional back up and support.

"We've used various crusher brands over the years, but from

the initial demonstration the QJ341 was very good. It did more than I was expecting it do, and we got a lot greater output with it," says managing director Steve Walchester. "In fact, what the crusher can do is a lot more than it said on the 'tin'. The different functions on the crusher are very easy to flick between making it a very user-friendly machine."

No matter how good a crusher is, it is only as good as its support. Here Steve found again that Sandvik exceeded his expectations. "If the crusher was to break down it would cost us hundreds if not literally thousands of pounds in lost downtime, wages and revenue. That is not to mention the damage to our reputation which is based on supplying customers with a high-quality product, when they need it, at a fair price."

That is the reason Steve decided to take the Sandvik Security+ Gold service agreement when he purchased the machine. This is Sandvik's extended warranty programme offered through a service agreement which lasts for a duration of 2 years with the Gold+ package. Through 4 inspections throughout the year, preventative maintenance and inspections are carried out by a qualified engineer to ensure the unit is running at peak performance.

"My service and support experience are that Sandvik is 2nd to none. We had a problem the other week; I phoned Sandvik and within 3 hours Sandvik was on site and had fixed the problem."

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Doosan launches rugged electric B45X-7 Series

Doosan has launched a powerful new range of four-wheel electric counterbalance forklift trucks, the B45X-7 Series, offering greater durability, enhanced productivity, increased visibility and an extensive range of safety features as standard.

With four new models covering a capacity range from 4.0 – 5.0 tonne, businesses across a broad spectrum of industry – from manufacturing, wholesale distribution and food & drink to engineering, building supplies and transport & warehousing – will benefit from the improved capability, power and performance of Doosan’s latest mid-range

electric trucks. The versatility of electric power is now available in a durable and reliable vehicle, built for working long-shifts outdoors in wet or dusty conditions – making it a viable alternative to increasingly regulated IC Engine equivalents.

Durability for outside duty is assured with IP65 and IP43 rated Curtis AC controllers and motors, offering maximum resilience to water and dust. Also included as standard is Doosan’s industry leading sealed, oil-cooled disc brake system, which is virtually maintenance free and lasts up to five times longer when compared to conventional shoe brakes. The sealed units protect against

outside elements such as dirt, water and grit, ensuring top-rate braking performance for enhanced safety and increased productivity.

With a tighter turning circle than its predecessor, smooth and responsive acceleration, and a conveniently placed direction switch on the hydraulic control lever for switching direction of travel quickly and easily, the all-round performance of the B45X-7 Series promises a boost to productivity inside or outside the warehouse. Safety is foremost in the design of the new B45X-7 Series. Prominent safety features include: Anti Roll Back for preventing accidental movement of the vehicle when stopped on a slope, Automatic Speed Control that adjusts the travel speed for safer cornering, and an Operator Sensing System that immobilises the truck and locks all hydraulic functions when an operator leaves the cab.

Success From All Angles for JN Bentley and Miller UK

The Miller PowerLatch Tilt is the attachment of choice for Yorkshire based engineering and development consultancy, JN Bentley as they successfully complete a civil engineering project in the north of England.

JN Bentley is part of the global management, engineering and development consultancy Mott MacDonald, providing a full range of services in the water sector and other engineering and construction markets in the UK.

As part of work to relocate Stocksbridge waste water treatment works, JN Bentley were contracted to lay new pipes along Manchester Road. Space was restricted and the team looked at a number of different means to find the best way to break out the rock.

Using a 13T Komatsu PC138 machine which was initially fitted with a standard quick hitch, the team began by shearing the walls by hand. Due to the single lane closure, the 13T Komatsu had to stay central to the dig and therefore the team encountered challenges with breaking through rock in a restricted working area.

The team tried a number of traditional and new alternative methods, such as using a lightweight, remote controlled excavator with a breaker.

Still searching for a more pragmatic solution, the JN Bentley team then trialled a Miller PowerLatch Tilting Quick Hitch. The PowerLatch Tilt operates the same as a traditional automatic quick hitch (i.e. ease for connecting buckets, same lifting capacity), with the added capability of

180 degree tilt. This increased versatility allowed the team to use a breaker to shear the sides therefore eliminating HAVS associated with breaking out by hand, whilst being far more cost effective compared to other methods. The tilt motion was also beneficial using the bucket to scrape the clay side walls.

Andy Ball, Plant Manager commented, “The team at Stocksbridge faced quite a few challenges in terms of breaking out rock from a narrow trench in a restricted working area. To their credit, they looked several alternative options to help break the rock out.

The PowerLatch Tilt provided a simple and flexible solution, allowing the team to angle the breaker to shear the sidewalls of the trench without the need to constantly reposition the

machine. It saved the team time, money and avoided the need for colleagues to work in the trench, exposing them to vibration / HAVS associated with traditional methods.”

Brendan Quill, Miller UK sales and Marketing Director said, “Tilt couplers, like the Miller PowerLatch Coupler allows current attachments, whether that’s a bucket, breaker or grapple, to be rotated up to 180 degrees, giving operators much greater power and versatility on site than ever before without having to invest in costly new attachments” he also added, “Miller have managed to deliver the lightest tilt frame in the marketplace with the lowest profile to offer optimised breakout force whilst increasing strength in traditionally highly stressed areas. Furthermore, the top bolted attachment method removes a notoriously troublesome welded connection seen in a number of other tilt couplers available on the market, which makes it the ideal choice for JN Bentley.”

Obituary: Darren Bennet, Liebherr-Great Britain

Liebherr-Great Britain has announced the recent sudden and premature passing of its National Account Manager Darren Bennet.

Darren was a loyal Liebherr-Great Britain ambassador for over 28 years, forging strong relationships with the business’s customer base and making a direct and significant contribution to the growth and success of Liebherr-Great Britain. His wider impact included being an active and well-liked figure at the National Federation of Demolition Contractors and the NFDC’s CEO Howard Button has made a moving tribute to Darren on the Federation’s behalf.

Darren was a loveable, larger than life character who approached everything with a smile. His infectious humour and unique ability to put everyone he met at ease are just two of the reasons why he formed so many personal friendships both within Liebherr and throughout its customer base.

Darren always took the time to get to know everyone he came into contact with. He was a valued colleague to those who worked with him and a good friend to those fortunate enough to have known him more closely. He will be genuinely missed and our sincere condolences go to his family and friends.



Darren Bennet

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PLANTWORX AND RAILWORX ON TRACK FOR THE 2019 EVENT

The Plantworx Construction Exhibition, hosted by the CEA (Construction Equipment Association) is just months away! The biennial working construction event is taking place at its brand-new home at the East of England Arena in Peterborough from 11-13 June 2019.

New for 2019 is Railworx, which will give visitors the chance to see railway civil and systems engineering live and working.

The show will benefit from 20% more exhibition space than at its previous location in Leicestershire and exhibition space is selling fast!

Exhibitors who will be demonstrating their earthmoving machines and 'breaking-ground' include a wide range of leading manufacturers such as Marubeni Komatsu, Finning UK & Ireland with Caterpillar, JCB, LiuGong which will include Dressta machines, Takeuchi, Mecalac Construction Equipment, Hyundai, Avant Techno, TDL Equipment, new comers J Mac, with the Sunward range of excavators and many more.

Equipment distributors Molson Group have also secured a large demo plot and will be showing a range of machines in action including Kobelco machinery. Plant hire company Morris Leslie Plant Hire will also be demonstrating.



With the increasing demand for tiltrotators on jobsites key manufacturers have also reserved demo plots to show visitors the full capabilities of these attachments. Confirmed exhibitors are Engcon, Steelwrist and Rototilt. Excavator and bucket manufacturer Digbits is also in the digging zone alongside Auger Torque. Operators, presenting the correct qualifications and PPE, will be invited to test the machines in the demo zone.

No-Dig Zone

The show will also have a no-dig zone – where exhibitors will be demonstrating but not 'breaking-ground'. Exhibitors confirmed in this zone include Altrad Belle, Bomag, Thwaites, Wacker Neuson, Thwaites Dumpers and Worsley Plant.

CONTINUED ON PAGE 10 →



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CONTINUED

Visitors can also expect to see static displays of machinery from SMT, Merlo, Ausa, machine safety system manufacturer, GKD Technologies, Merlo, Manitou, the very latest in engine technology from Perkins, Brokk UK and MTS Suction Solutions.

Railworx

The major civil engineering contractors, front line suppliers to Network Rail and HS2 are looking to connect with their existing and potential supply chains – Railworx is the perfect platform.

Alongside key exhibitors, Network Rail will have a dedicated 'InnovationWorx' area showing the latest developments by the Signalling Innovation Group and in the fields of electrification and telecommunications.

Visitors to Railworx will also see live demonstrations of machinery and plant used for railway civil engineering, including piling, reinforcing, drainage, access, lifting, surveying and monitoring.

A trip down memory lane

A new initiative for the 2019 will be taking place in the outdoor event arena, visitors can take a step back in time, revisiting the kit that inspired modern day machines with Plantworx very first 'working' Classic Plant display.

Each of the Classic machines will be a working exhibit, so visitors can get up close and personal and get a feel of what

it was like back in those pioneering days long before the invention of hydraulics!

Drone Zone

With Drones playing an ever-increasing role in construction Plantworx 2019 will have a drone zone for the first time and has partnered with COMIT (Construction Opportunities for Mobile IT).

This unique event will bring to life drones



of all shapes and sizes in the dedicated indoor demo, which is named the 'fly zone'.

The fly zone is located in an indoor purpose-built structure, comprising over 2,300 square meters of stand and flying space. The area will also benefit from an indoor public address system that can be utilised to engage with the watching public.

The "demonstration fly zone" will contain construction equipment to add a touch of authenticity to the event. Safety will be a priority and all organisations using the zone will be required to meet the organisers strict Health and Safety requirements.

Indoor Arena

The new East of England arena venue has the added benefit of a purpose-built indoor arena and space is running out quickly. It's here visitors will find exhibitors with products and services that keep plant on the move and a range of companies offering fleet management systems.

The 'Partners Pavilion' will also feature in the indoor arena which is made up of overseas exhibition companies including Bauma Africa, India and China. Conexpo will also take a stand alongside BICES and Intermat.

Other exhibitors include CITS (Combined Industry Theft Solutions and DIT (Department for International Trade).

The indoor arena is also home to the Plantworx and Plantforce Rentals state-of-the-art simulation zone.

The Zone will promote virtual interactive training, in a fun and informal environment - which will highlight the very latest technology in construction - and how it is changing the way we work. The zone will comprise six state-of-the-art simulators which will replicate a 'real working construction site' - but in a virtual world. A mission 360 room is also planned.

Other features within the indoor arena include the 'Get SET' - which will focus on Skills, Education, Employment and training. Confirmed exhibitors include Myerscough College, Role Recruitment, RailwayPeople.com and the National Fluid Power Centre.



POWERLATCH TILT

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Telestack investing £5 million in its future in Omagh

Local manufacturer Telestack have further committed to their future in Omagh by announcing an additional investment of £5 million in a new factory in the Doogary Industrial Estate.

Leading the international mobile material handling market, Telestack supply some of the largest blue-chip companies in the world. Designed, manufactured and exported from their current 105,000 square foot manufacturing facility in Omagh, Telestack plan to extend their manufacturing capacity by initially building a phase one 45,000sqft factory on a green field site next to the current Fane Valley factory which will incorporate state of the art manufacturing premises, a dedicated Research and Innovative Development centre and modern office suite - all of which is central to their continued growth strategy. The engineering acumen within Tyrone is renowned globally and the expertise within Telestack has



grown and developed significantly over their 34 year tenure. In addition to their Aggregate and Mining Group, Telestack has matured within another material handling niche in the Ports and Inlands Terminals sector, designing and manufacturing equipment to load and unload dry bulk onto vessels up to Panamax (up to 80,000 tonne). Their equipment is involved in some of the most ground-breaking, exciting and forward thinking projects across the globe with the company gaining serious traction in other industries such as the rail, power, cement and steel plants.

Employing almost 160 local people, Telestack has demonstrated enviable year on year sales growth with sales more than doubling in the last three years. Part of the one billion dollar American giant Astec, Telestack in the last two years alone have invested almost £4million in their current Bankmore site within Doogary Industrial Estate, with a state-of-the-art shot-blast, 2 paint booths and an additional manufacturing facilities which have all contributed to their impressive sales and operational performance. Comments Managing Director Martin Dummigan: "Telestack has grown rapidly over the last number of years and we

have firm plans to double our revenue again in the next 3.5 years. We have out-grown our current facility and we need to extend our manufacturing footprint to meet the international demand for our products. "We have made a conscious decision, even in the face of Brexit uncertainty, to invest locally. We have a unique skill base in Omagh and we need to protect Telestack's engineering acumen. The marketplace has become somewhat flooded with companies who try to copy our designs but you simply can't buy experience. For want of a better cliché you have to earn your stripes. We have the experience, the commitment and the enthusiasm to continue forging ahead and continue leading the market hence the purpose built Research and Innovative Development centre. "We have an aggressive strategy to continue growing our sales and we are committed to Omagh, to the people that we employ and to the local suppliers and businesses that will continue to benefit from the Telestack success story. As we move through 2019, Telestack will be recruiting for a variety of disciplines including manufacturing, design, sales and aftermarket support."

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Leica BLK3D Recognised by Prestigious Global Awards for Innovation

Leica Geosystems, part of Hexagon, has revealed its ground-breaking Leica BLK3D 3D imager has earned multiple prestigious global design and innovation awards.

Designed to impact the work of professionals across a range of industries, including architecture, construction, public safety and real estate, the compact handheld BLK3D improves productivity by enabling instant, precise 3D measurements from any image it captures.

Accolades for the Leica BLK3D include CES 2019 Innovation Awards Best of Innovation Honouree, BAKA Award for Product Innovation 2019, 2018 Good Design Award, Wichmann Innovation Awards and Prism Awards Finalist 2019.

"The Leica BLK3D is a clear example of how Leica Geosystems and Hexagon are leading the democratisation of reality capture - it's so easy to operate virtually anyone can use it," said Tobias Heller, Senior Product Manager, Hexagon's Geosystems Division. "The BLK3D simplifies data collection and makes exclusive technologies available to a wide variety of professionals, helping to further digitalise traditionally manual industries. It represents a perfect fusion of robustness and simplicity with ergonomic and appealing design, and its multiple award wins are testament to this."



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view from the cab

VERSATILE MECALAC 10MCR IMPRESSES D A BISHOP CONTRACTORS

If there's a single word to describe the Mecalac MCR crawler excavator it has to be 'versatile.' Lifting, laying, moving, unloading, storing... whatever you need to accomplish, whatever the challenge, the MCR sets the pace and makes execution easy.

Well, that's what the manufacturer claims, adding, it's capable of working side-by-side with trucks, or carrying a pallet loaded with material and laying it to rest on the other side of a wall, or even next to the machine itself, whatever you need. But is that really the case? Plant & Civil Engineer's David Stokes recently caught up with Matt Bishop who acquired a new Mecalac 10MCR a few months ago for the family business base at Welshpool in Wales to find out what his 'view from the cab' is.

Matt didn't have many reservations when it came to adding the 10MCR to the company's growing fleet of mixed machinery; it already operates an 8MCR, and has done so since November 2017.

"The 8MCR hasn't disappointed, and neither has the new 10 tonne addition," says Matt. "It really is a fantastic machine. Very flexible, very versatile."

The company, established by Matt's father in 1974, is heavily involved in general contracting, land drainage, excavation and agricultural projects, so versatility, durability and reliability of equipment are essential ingredients in its continuing success and growth.

"The Mecalac is essentially two machines in one; nothing else comes close to its flexibility, in my opinion. You can't really compare it to other excavators; it's just on a different level when it comes to versatility."

Thanks to a simple selector-switch, you can turn this compact excavator into a compact loader and then back again, using the same commands. Familiarisation is instant in the single mode of operation thanks to grouped functions and the transformation into loader mode using the control lever.

Loading efficiency is maximised, thanks to the skid bucket being supported on the blade which increases the machine's efficiency as the force of the thrust is transmitted directly from the chassis to the bucket. The operation is performed more accurately



using the control lever; the patented Mecalac cylinder coupling function allows you to synchronise the boom cylinders for perfect movement coordination and precision. It makes driving and handling easy, regardless of whether the operator is a novice or more experienced.

The Mecalac "CONNECT" hydraulic quick coupler system means that attachments can be changed in just a few seconds, without having to get down from the cab. Designed to work in both directions, the loss of an attachment is virtually impossible, during the locking or when working in excavator mode or in loader mode. It's been described as the safest and best performing quick coupler system on the market.

Compact Cab

The 10MCR features a compact cab offering excellent comfort and all-round visibility, essential when working on busy or challenging projects.

The rear hood lines of the machine have obviously been carefully studied by





the designers. The windshield is fully removable, allowing the driver the option to remain in constant contact with the outside world.

A TFT colour screen makes the control panel very easy to use. Regardless of brightness, the operator can easily view all useful information: mode currently being used, speed, engine speed, number of hours, cylinder selected, safety features activated.

"It does take time to master the various controls, to become comfortable in doing so, but once you do, it comes second nature," says Matt, who initially honed his operating skills on the Mecalac 8MCR before progressing to the new excavator. That said, the functions on the control levers are reckoned to be easier to use than those on standard equipment.

Flexible & Efficient

The fact that the 10MCR can almost be whatever you want it to be on site means fewer machine deployments and that can result in lower fuel consumption, less damage

and ground compaction, less annoyance for local residents, fewer dangers for site workers, and fewer working breaks. Think about it!

As the MCRs are the only compact loaders with total rotation on the market, in addition to the exceptional speed until 10 km/h (6.2 mph), they are perfectly independent, powerful, and fast when travelling as well as in work cycles.

The MCR, incidentally, is also equipped with the famous patented Mecalac boom. With the in-built offset, the boom folds in to 130° to offer maximum stability associated with exceptional lifting and handling performances. Indeed, as we discovered, the equipment's lifting capabilities and versatility mean that it can virtually have a thousand different uses; no wonder it is a firm favourite with contractors like D A Bishop.



Construction Industry helpline provides £1.25m of charitable support to the industry

2018 was a difficult year for the construction industry and the human impact of the stress and strains of working in such an environment is clearly being seen by the Lighthouse Construction Industry Charity.

Last year, 1662 construction families in crisis called the helpline. 662 of these cases were seeking emergency financial support, an increase of over 40% on 2018. The amount of charitable giving provided in 2018 was £1.25m, rocketing a staggering 75% on the previous year.

Of the 1662 cases presented to the helpline, 1033 of these were given advice and support on issues ranging from mental wellbeing issues through to legal, debt management and taxation advice. The charity has also seen a huge increase for requests of their helpline packs and now have over 350,000 helpline cards in circulation within the construction workforce.

Bill Hill, CEO of the Lighthouse Construction Industry Charity said, "On the positive side the



2018 figures show that we are reaching out to more construction workers and their families, but it also means that too many of them find themselves in desperate situations. The significant escalation in families needing our support has taken us by surprise and has put pressure on our finances. With two construction workers taking their own life every single working day, and stress, depression, and anxiety accounting for a fifth of all work related illness, it's vital that we continue to

provide our helpline services and put additional funding into the construction industry's dedicated and volunteer led, Building Mental Health programme. But the only way that we can plan ahead is with predictable income. That's why we launched our Company Supporters initiative and our 'Save a Life' campaign. We're urging companies to pledge a regular annual donation to ensure the long term sustainability of our valuable charitable services.

If you're reading this and wondering how your company can make a difference, then here's how to get involved." <https://www.lighthouseclub.org/lighthouse-company-supporter/> With the support of construction software firm 'COINS', the charity has also recently launched their helpline app. The app helps people find out more information about how they can help themselves or take the next step in seeking professional help. It is a preventative tool and provides support at the early stages of a situation so that the problem does not reach a life critical stage. It provides vital information, advice and guidance on many wellbeing topics including stress, anxiety, depression, anger and suicidal thoughts. For more information visit <https://www.constructionindustryhelpline.com/our-app.html> To access the helpline's team of experts, call the Construction Industry Helpline on 0345 605 1956 or visit www.constructionindustryhelpline.com

Lagan Airport Maintenance Upgrading Runway at London Southend Airport

Lagan Airport Maintenance (LAM) has been appointed by Stobart Rail & Civils to carry out an essential maintenance project to upgrade the durability and performance of the runway at London Southend Airport.

Works commenced on site in January 2019 and are expected to last three months.

The project team will carry out works during strict night-time possessions from 23.30pm – 05.30am. It will involve removal of 50mm of the existing surface course and installation of 200mm overlay of grooved Marshall asphalt utilising an in-house batching plant. Other works will include friction testing, Airfield Ground Lighting and white lining.

Kieran McIlhatton, Lagan Airport Maintenance Director, commented: "The team at Lagan Airport Maintenance are thrilled to have secured this project at London Southend Airport. We look forward to working collaboratively with the airport team whilst delivering the project to the highest safety and quality standards."

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view from the cab

THE STUNNING NEW H4 SERIES HIDROMEK 390LC CRAWLER EXCAVATOR

Thought to be one of the first, if not the first, in the UK, this new generation H4 Series Hidromek crawler excavator is now earning its keep at the Johnsons Wellfield Quarry in the outskirts of Huddersfield, as Plant & Civil Engineer's David Stokes reports.

There's no doubt this latest generation Hidromek 390LC H4, supplied through Bunton Plant, is a real eye-catcher. Replacing the earlier 370LC model, this new machine is busy working at the famous Wellfield Quarry in the Yorkshire Pennines.

Johnsons Wellfield is Britain's leading supplier of natural hard Yorkstone. With extensive reserves of the finest 'Crosland Hill' Yorkstone available combined with state-of-the-art industry leading processing facilities, Johnsons Wellfield has grown to become the supplier of choice for prestige projects where only the best will do.

Established in 1854 the famous Wellfield Quarries came into Johnson's ownership in 1928 and was acquired by the Myers Group some 50 years later. Investment has continued under Myers Group stewardship and the business is now at the forefront of the UK stone industry, producing in excess of 60,000 square metres of dimensional stone on an annual basis; the quarry extraction site currently covers an impressive 250 acres of West Yorkshire hillside.

This stunning looking Hidromek 390LC H4 is certainly a big step up from the machine it has replaced, featuring as it does much smoother and sharper lines and a brand new upgraded, restyled cab that offers an excellent working environment for the operator.

"Although it is a relatively new brand in the market here, we didn't have any reservations about acquiring the new Hidromek as an addition to our fleet as we have operated several smaller models at the quarry last summer, so we knew what to expect and it hasn't disappointed," says quarry supervisor Phil Rogers.

Robust & Responsive

"The machine, which is currently being used to feed a crusher, has plenty of power, it is very responsive on the hydraulics; we are very pleased with its robustness, reliability and performance."

It is powered by the latest fuel efficient Isuzu-AQ-6HK1X, water-cooled, six

cylinder electronic diesel engine, producing net 282hp@1900rpm, with maximum net torque of 1043Nm@1500 rpm, and complying with Tier 4 final and EU stage IV emission regulations.

"We have noticed that it is very easy on fuel, even though we work it long and hard," adds Phil, "so it is both productive and efficient."

Spacious Cab

While it certainly looks the part, it is inside the cab that the real difference can be seen in comparison to the earlier 370LC model. Features include a relocated switchboard, remodelled travel pedals and levers, high capacity air-conditioning and high resolution, LED backlight colour LCD display.

With a cab door that is large enough to enable the operator to open it easily, while providing



view from the cab



plenty of clearance, the machine benefits from an improvement in all round visibility, with LED headlamps also significantly enhancing its night vision capacity, as does the addition of a rearview camera.

It is also possible to open the windscreen by sliding it towards the roof, and the lower Window may be removed and kept under the operator seat.

Other features enhancing the operator's comfort is

the new versatile and fully adjustable seat designed to enable operator to work without stress and fatigue for longer hours. The joystick console and seat can move independently enabling operator to adjust the most suitable position for his body structure; the seat is equipped with seat belt for safety of the operator.

The cab is supported by six silicon viscose mounts that dampen the effects of noise, shock and vibrations regardless of working conditions of the machine. There's plenty of storage space, too, for the operator's bits and pieces, including a cooled storage room, glass holder and a variety of storage pockets.

"We have no complaints about the cab. There's plenty of space and comfortable seating, with excellent visibility, and once you get used to the various controls, it provides an excellent, stress free working environment," says Phil.

Opera Control System

This new 390LC H4 is also fitted with Hidromek's Opera Control System, an easy to use interface that facilitates

communication between the operator and the machine. The operator can easily switch between menus in Opera, change settings, such as hydraulic flow, and check the status of the machine, including pressure, temperature and engine load.

The information and warnings on the instrument panel are always easy to see and control, thanks to the positioning of the Opera interface.

Other features of the system include automatic powerboost switch-on switch-off, automatic electric power-off and automatic powershift to improve performance.

Dealer support is also important, and Bunton Plant doesn't disappoint. "From experience, we have every confidence that if we ever need their service they are just a phone call away and will respond very quickly, appreciating that we can't afford unnecessary downtime on site."



CATERPILLAR UNVEILS NEW INNOVATIVE RANGE OF MINI EXCAVATORS

Caterpillar certainly isn't resting on its laurels, nor is it standing still. It has just launched a new range of small - and slightly larger - mini excavators, as Justin Carrigan reports from sunny Malaga.

There are five new models in the Cat 'small' mini hydraulic excavator line-up, covering the 1-to-2-ton class categories. They incorporate a host of industry-first standard features, such as joystick steering (stick steer) and a tilt-up canopy or cab, as well as new options, including air conditioning and expandable undercarriages across the range.

The new model range allows customers expanded choices for matching machine capabilities and machine features to the applications: 301.5 (1.5-ton class, standard tail swing, with canopy); 301.6 (1.5-ton class, standard tail swing, with cab); 301.7 CR (1.7-ton class, compact radius, with canopy); 301.8 (1.8-ton class, standard tail swing, with either canopy or cab); 302 CR (2.0-ton class, compact radius, with either canopy or cab).

Minimum operating weights (approximate) for the new models range from 1575-2045 kg, with weights increasing to 1760-2200 kg, depending on specific machine configuration. Dig depths are 2340 or 2370 mm, depending on the model, and an available long stick increases depth to 2540 or 2570 mm.

Rubber track undercarriages are standard, with steel tracks available for all models.

All the new models use the Cat C1.1 engine, a three-cylinder diesel rated at 14.3 net kW



(19.2 net hp), available in configurations that meet EU Stage V emission standards. The C1.1 features a power-dense design and delivers consistent performance through a wide speed range. Fuel efficiency is enhanced with engine idle control and automatic shutdown systems.

Premium features

These Next Generation mini excavators use an efficient, fuel saving, load-sensing hydraulic system with an electronically

controlled variable displacement piston pump capable of oil flows to 66 L/min (17.4 gpm). Flow rates, coupled with high main-relief pressures, provide the new models with the hydraulic capacity to generate high digging and lifting forces, as well as to handle powered attachments.

For added versatility, the standard auxiliary hydraulic system (complete with quick disconnect lines) provides one way, two-way, and continuous flow. Manual couplers, a





thumb-ready package, and a certified lifting eye are available for all new models. Front shovel operation, a capability that lends an extra measure of precision when digging around utilities, can be accomplished with both pin-on and coupler-mounted buckets.

Operator environment

The design of the new Next Generation models emphasises the comfort, convenience, and safety of the operator. The cab, standard on the 301.6 and optional on the 301.8 and 302 CR, is pressurised and sealed to reduce dust intrusion and is fitted with a climate control system (with or without air conditioning).

The front window slides upward and stores overhead, and large glass areas on the sides and rear of the cab, plus a skylight, provide all around visibility. The operating consoles feature adjustable wrist rests, and a suspension seat is available. A retractable, wide seatbelt is comfortable to wear.

Controls are designed to be intuitive, with a pattern changer that allows operators to

select their preferred system. A machine security system is standard, available as key with pass code or push-to-start with fob. The Next Generation LCD monitor provides easy-



to-read machine information and features a jog dial for easy, ergonomic interaction with the monitor. The machines can also be Bluetooth enabled through the radio.

An exclusive feature for the new Next Generation models is the standard stick steer system, which allows the operator to switch (with the touch of a button) from conventional lever/foot-pedal steering controls to left-hand joystick control. Stick steer provides the benefit of less effort with improved operator control. Additionally, automatic two-speed travel is standard.

Moving on Up

Meanwhile, Caterpillar has also added six new mini models in the 7-to-10-ton category, with many of the same features of their smaller 'sisters', and also including heavy duty main structures, fuel efficient engines, load sensing hydraulics, spacious cabs, and the exclusive Caterpillar stick steer system.

The new model line-up includes the 307.5, a standard tail swing model with a fixed boom; 308 CR, a compact radius model with a swing boom; 308 CR VAB, featuring a variable angle (two-piece) swing boom; 309 CR, a new model in the mini range



product launch/caterpillar



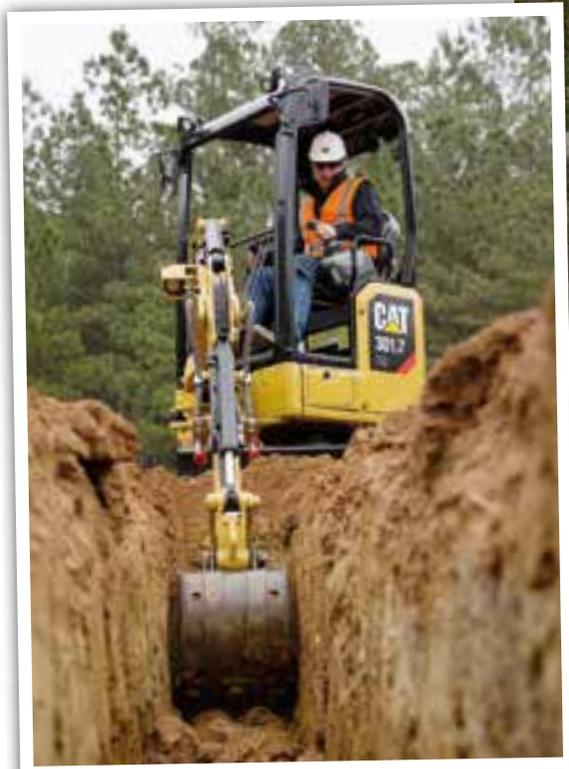
featuring a compact radius, swing boom, and "high flow" auxiliary hydraulics; 309 CR VAB, which expands the 309 CR's capability with a variable angle boom; and 310, also new to the range, featuring a fixed boom, standard tail swing, and twin blade cylinders for handling heavy duty dozing chores.

The new models range in maximum operating weight from 8 233 to 10 182 kg in standard dig depths from 4 107 to 5 174 mm. Three models—307.5, 308 CR, and 309 CR—are available with a long-stick option that increases dig depth by approximately 560 mm. The variable angle boom, available with the 308 CR VAB and 309 CR VAB,

enhances digging capability in congested work areas. Powering the 307.5 is the Cat C2.4 turbo diesel engine rated at 41.7 net kW (55.9 net hp); the five larger models use the Cat C3.3 diesel engine rated at 52.4 net kW (70.3 net hp).

The six new models are also fitted with cabs, sealed and pressurised to ensure a clean environment, and feature a redesigned heating/ventilating/air conditioning system that ensures all-weather climate control. Suspension seats, with a retractable, wide seatbelt are standard, and the operating consoles feature adjustable wrist rests.

Intuitive controls include the Next Generation LCD monitor that provides easy-to-read machine information and features a jog-dial for easy navigation, including setting personal operating preferences. For added convenience, a standard control-pattern changer allows operators to quickly adapt the machine to their favoured joystick movement. A machine security system is standard, available as key with pass code or push-to-start with fob. The machine can also be Bluetooth enabled through the radio.



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view from the cab

CASE CX300D FITS THE BILL PERFECTLY AT ROBINSON CONCRETE

When Robinson Concrete needed to replace an excavator that had given many years of reliable service at their sand and gravel business, they thought long and hard about it, and then took lots of advice on what brand to invest in.

Eventually, they decided on a Case CX300D from dealers Cowan Bros. That was four months ago, and they haven't looked back since as Plant & Civil Engineer's David Stokes discovered when he got the 'view from the cab.'

Established in 1951 by Matthew Robinson, Robinson Concrete has developed from its humble origins in Claudy and Dungiven to fulfil

the need for agricultural, housing and road development following the Second World War. A family business, now in its third generation, it prides itself in being at the forefront of concrete products' supply in the North West, operating two strategically located depots in Claudy and Ballymoney, both equipped with facilities for the collection or delivery of ready mixed concrete, blocks, sand, gravel, decorative stone and landscape products. The CX300D excavator is the company's first Case and it is more than living up to expectations, as Garth Robinson explains: "It has replaced with a 15 year-old 20 tonne machine that has given us great service, so we were very cautious about what to get.

"We wanted to upgrade to something a bit bigger and as our company is a supplier to Cowan Bros, the Case brand was obviously on our list of choices. Not only do Cowan Bros have a good reputation in the industry, but so does the Case - we heard great reports about them - so we went along to see what they had to offer."

Adds Gareth: "They invited us up to Fermanagh to see a Case machine at work; we spoke to the operator who had many years of experience working with a variety of excavators and in his words the Case





was 'the best 30 tonne machine that he had ever driven.'

"So, we returned home and gave the matter some more serious thought, eventually deciding to take the plunge; it's a decision that we haven't regretted. Cowan Bros were excellent throughout the process; in fact, the machine was delivered within six or eight weeks of us placing the order."

Fuel Efficient

So, what is the appeal of the Case CX3000D? One of the first things Gareth noticed about it was its fuel efficiency. "Being a bigger machine than the one it replaced, it is using a lot less fuel than the 20 tonner."

Indeed, the CX3000D is powered by an Isuzu six-cylinder engine that uses an SCR Tier 4 Final solution that's cleaner burning and provides up to 14% increased fuel efficiency without sacrificing power.

As do all models in the D Series, the CX3000 has three power modes to match different application needs, improve cycle times and further maximise fuel economy - Automatic (A) for the best balance between power, precision, and fuel efficiency, with Power Boost continuously engaged; Heavy (H) for increased RPM for faster cycle times in general loading; and Speed Priority (SP) for maximum RPM and hydraulic flow providing the fastest cycle times and maximum flow for demanding attachments.

D Series excavators have a new electronically controlled hydraulic pump, a larger control valve and a new solenoid valves. These upgrades help boost breakout force, increase lifting strength and improve responsiveness, which enables the machine to work faster throughout the work cycle. In fact, cycle times are up to 12% faster than the C Series excavators. The standard Free-Swing feature allows the carriage to spin freely while operating the boom and arm, which provides improved control.

Comfortable Cab

Operators particularly like the Case cab which offers an excellent working

environment. "If you are operating the machine over long hours, you need a bit of space and comfort, and the Case cab doesn't disappoint," says Gareth. Case have upgraded and improved cab over earlier models. There's more entry room and foot space. The air-ride seat is larger to reduce pressure points, slides forward and back, tilts back up to 65°, has an adjustable lumbar system and a built-in heater.

An innovative armrest design adjusts independently of the console while still ensuring joysticks are always comfortably within reach. Even the pedals can adjust ±22° to suit personal preference. There's also a Bluetooth radio and climate control system that responds to sunlight.

An optically bonded, anti-glare 7-inch LCD multi-function monitor displays an abundant amount of machine operating data as well as setup and service-related screens. Press a button and get up-to-date information on fuel level, temperature and pressure valves. Another button provides information on hours and fuel usage for up to two trips.

Working on busy sites requires the operator to have a clear view of what's happening around the machine, and again the CX3000D hasn't fallen short in that regard. It offers outstanding visibility from the operator's seat, utilising standard rear and side view cameras. Also available is an optional 270-degree CASE Max View display for extra perspective while operating, something all operators would appreciate when working long days.

The Case also offers a quiet working environment, thanks to a cushioning system that lowers noise and vibration levels – and there's ample legroom along with a spacious storage compartment and warm and cool box.

Serviceability

The CX3000D features standard oil sample ports to allow for quick sampling of engine oil and hydraulic oil while grouped service points, tilt-out coolers and auto-locking side panels that stay open make it easy to perform routine maintenance. There are even new handrails to make it easier to get around the machine.



Campaign to tackle plastics and packaging in construction



The Considerate Constructors Scheme has launched its industry-wide campaign 'Spotlight on...plastics and packaging' to raise awareness and showcase best practice in how the construction industry can reduce, reuse and recycle plastics and packaging.

The launch of the campaign - which features on the industry's Best Practice Hub - comes in response to startling findings from a Scheme survey of over 900 people working within the UK and Irish construction industries.

The survey discovered that although over 95% of respondents said the industry needs to be doing something to reduce its consumption of plastics and packaging, over half of respondents (51%) have little understanding of the rules and regulations surrounding plastics and packaging, and only 44% know how to recycle different plastic and packaging materials.

The survey also revealed that:

- 98% said the over-consumption of plastics and packaging is a global issue.
- 92% believe plastics and packaging are extremely dangerous to the environment.
- 81% said the construction industry is not doing enough to reduce its consumption of plastics and packaging.



- 31% said they frequently use plastics and packaging that cannot be reused or recycled.

With the construction industry being the second largest consumer of plastics in the UK, it is imperative that the construction industry reconsiders the way it consumes and disposes of plastics and packaging to protect the environment and all life.

The Scheme is calling on all construction sites, companies, suppliers and clients of construction projects to drastically reduce their consumption of plastics and packaging. Not only does this offer significant

improvements for the environment and society as a whole, it also makes commercial business sense, with many organisations reporting significant cost savings achieved.

'Spotlight on...plastics and packaging' provides a suite of resources to help the industry to address this issue. It includes a range of practical case studies and guidance from contractors, clients and service suppliers.

Considerate Constructors Scheme Chief Executive, Edward Hardy said: "As construction is the second largest consumer of plastic in the UK, our industry has one of the greatest responsibilities to society, and to the environment, to ensure that we are working tirelessly to improve our standards in minimising waste from plastics.

"The Scheme's 'Spotlight on...plastics and packaging' campaign provides resources, practical support and guidance helping everyone to take effective measures to tackle this issue. While considerable progress is being made – with over 76% of Scheme-registered construction sites setting targets to reduce, reuse and recycle waste – it is clear that a concerted effort to raise further awareness, and to provide the necessary support, is needed to achieve this drastic reduction in waste from plastics and packaging."

Ireland West Airport announces delivery team for rehabilitation of airport runway

Ireland West Airport has awarded the main construction contract for the rehabilitation of the airport's runway to a joint venture comprising specialists in this area, Lagan Airport Maintenance, and Clare Civil Engineering Company Ltd, known as LCJV.

The appointment of the contractors follows their successful joint bid under an EU tender process. This design and tender process was led by Atkins Ireland following their appointment

by Ireland West Airport as specialist consultants in 2018.

The project will cost €11.2m and is supported to the value of 75% of the total by the Department of Tourism, Transport and Sport with the airport funding in the region of €2.8m from its own funds to complete the project.

Preparatory works will begin immediately with main resurfacing works scheduled to start in May. The rehabilitation of the runway, which includes a complete resurfacing of the existing runway and taxiway surfaces, the removal and reinstatement of runway edge,

centre line, and touch down zone lighting, ducting and other associated works. These works are scheduled to ensure that the runway at Ireland West Airport continues to meet the strict regulations governing the operation and specification of runways at major airports.

Runway 26/08, which opened in 1985 handles 100% of all flights at the airport and this is the first time in its 34-year history that the runway has had a full overlay.

This resurfacing works will take place overnight outside of operational hours over a three-month period. This work can

only be undertaken at night as it requires the full closure of the airport's main runway.

Upgrading the main runway is a complex logistical project as construction teams will overhaul a portion of the runway every night before it's handed back to operations early each morning in time for the first wave of flights into the airport. The window for construction is only about five/six hours per night due to the set-up process required and the meticulous preparations for returning the runway to normal operations every morning.





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To say that Strabane based McKinney Plant & Safety have one of the best resourced training centres in the country is probably an understatement.

The company, originally established solely as a plant hire operation over four decades ago, today conducts a wide range of training courses, delivering essential and sought-after qualifications with a professional, proficient and personal approach.

McKinney Plant & Safety specialise in plant operation and have all their own plant available on site for training; this includes low loaders, mobile and crawler cranes, and wheeled excavators, as well as a comprehensive range of other machinery.

They also have a mobile training unit, travelling across the country to deliver short courses on site or at a client's own premises.

While the company has been offering operator training since 1994, the plant hire side of the business began back in 1968 when it was founded by Michael McKinney Snr; he is still actively involved in the running of the business along with sons Mark and Michael jnr.

In those early years, the company was heavily involved in civil engineering and public works as well as plant hire but in more recent times



has concentrated mainly on hiring out cranes, with machines available from 25 tonnes to 220 tonnes; it is here where Michael Jnr learned his machinery operating skills.

At that time, as with many other operators in the industry, Michael was clocking up a lot of hours on various sites on a range of machines. In those days training and qualifications were not really an issue, but it wasn't long before health and safety increasingly became a vital requirement.

"Back then there was really no one in the North West offering any health and safety services and anyone who required a card or training had to travel to the CITB training centre at Nutts Corner, or have the training carried out on site," says Michael. "We had the land, we had the machines, so we set about developing a training centre here in Strabane."

He adds: "We didn't know how this would work out as it was quite a new venture in the area, but nothing ventured nothing gained, we thought. As it turned out we were working night and day to keep up with demand.





Friendly Approach

"We adopted a personal, friendly and down to earth approach, putting at ease those undertaking our courses. The training wasn't always done at the centre; we travelled all over the country and still do. We worked in conjunction with a long-term friend and colleague Sam Evans of EPS Training who, like ourselves, had the same approach."

Gone are the days when you could simply gain machinery operating experience under the watchful eye of a site supervisor or company owner. Today, unless you have the relevant card and qualification, you wouldn't be allowed near a machine, let alone drive it. It's a situation that can be challenging because of the current shortage of competent operators.

"We believe that having a basic knowledge just to satisfy health and safety regulations and insurance providers isn't enough. To be a professional operator you need to know all about the machinery you are driving, what it is capable of, how it should be handled and how it should be maintained – and that's what we strive to instil in all of those who go through our training courses," says Michael.

It's an approach that is clearly paying dividends. As one satisfied client said, "It's best training school in the whole of the UK, with seriously reasonable prices for all NVQ'S and plant certificates. First class training, first class instructors. I will definitely be using them again."

And added another, "I want to thank all their staff for being so welcoming and helpful; they really make you feel at ease. I would highly recommend McKinney's - great instructors, great facilities, great plant."

Funding

Mc Kinney Plant & Safety Ltd have funding available to suitable candidates in order to help with the cost of plant training and the upskilling of individuals who wish to retrain into a plant career.

This funding comes from a range of sources including the union Unite who at the moment are very proactive in addressing the skills shortage and developing the skills set required to be successful in the industry. The majority courses are grant aided by the CITB for levy paying companies.

While the CITB NI have a major role to play in addressing the shortage of skilled operators, Michael feels more could be done for the plant industry, such as the appointment of competent accredited training providers to carry out the training, funding those providers and

monitoring the standard of the training carried out to ensure proper standards are met.

Investment

Mc Kinney Plant & Safety Ltd, of course, have invested heavily in plant and equipment for training purposes and they say JCB was an obvious choice when deciding on suppliers.

Says Michael: "We have used JCB machines in our own business for a long time and they have served us well, so we approached Dennison JCB in Ballyclare, told them our requirements and machine specs and Ian Calderwood, the sales manager, put together an attractive package to supply us with five new additional machines for the training centre. The JCB machines are very operator friendly and are the most up to date available which, we believe, should be the case as training providers." He adds: "The service we get from Dennison's JCB is first class and the back-up is excellent; if in the future more machines are required they will be our first port of call."



LOOKING FORWARD TO THE ANNUAL BALMORAL SHOW



With around 650 trade stands expected at the forthcoming Balmoral Show, Plant & Machinery exhibitors will once again be out in force, with more space now available, enabling them to better promote their products and services.

Some extra 2,000 sqm of space was allocated to machinery displays last year and that was quickly taken up by the majority of exhibitors as they increased the size of their stands; it also opened the door to newcomers.

Organisers will be building on that success at this year event which takes place over four days, from Wednesday May 15th to Saturday May 18th, with the Ulster Bank once again the lead sponsor.

Apart from plant and machinery stands, the show, of course, will feature the more traditional sights and sounds which contributes to it being Northern Ireland's largest agri-food event - there really is no other event quite like it!

The event offers something for everyone, whether your interest is in fantastic local food, top class entertainment, cute animals or even shopping, you can be sure to have a fantastic day out at the Show!



Exhibitors will be showcasing all types of products from garden furniture and clothing to food, and, of course, plant machinery and agri equipment.

Local agriculture is very much at the heart of the event, with livestock competitions, show jumping and the latest advances in agriculture on display, so there is so much to be enjoyed, with something for everyone, young and old alike.

The show at Balmoral Park is expected to attract more

than 115,000 people over the four days from all across the island of Ireland.

This year's Balmoral Show marks the 151st anniversary of the event. Last year's allowed visitors to step back in time with a Special Anniversary Display that included many unique souvenirs, artefacts and memorabilia from yesteryear.

The journey for the Balmoral Show started back in 1854, when the North East Agricultural Association of Ireland was

formed, with the first shows being held at Belfast Corporation Markets from 1855 to 1895.

The Balmoral showgrounds were purchased in 1894 and the first Show held there in 1896. From then until now, there have been notable changes, with the show historically relocating to Balmoral Park, Lisburn in 2013, for example, but the core of the show has very much remained the same, with local agriculture and food remaining central. Don't miss it!



McSharry TRACK Back at Balmoral for Fifth Year Running

McSharry TRACK, the exclusive dealer for Kobelco excavators and a leading supplier of undercarriage parts for all brands, are returning to Balmoral for their fifth successive year. They will showcase a range of Kobelco products together with a selection of undercarriage parts.

"We will be back again this year to meet our existing customers and hopefully meet some new customers so that we can continue to expand our customer base in the North," says Niall McSharry. "Every year we add more customers and confidence increases in the Kobelco brand. The machines are proving to be as reliable as ever, making service and support very easy."

McSharry TRACK will bring a selection of mini-excavators and heavy line models to Balmoral from their main depot in Four Mile House, Co. Roscommon.

Niall says the likely line-up will include the micro SK10SR plus minis SK17SR, SK28SR and SK45SR. They will also have either SK75SR or SK85MSR model plus



the ever popular SK140SRLC. There's also a chance of the SK210LC. Some of the machines will be kitted out with a selection of their OKADA hydraulic breakers.

"Obviously, we also have a good customer base for our undercarriage parts in the North. We have been the exclusive Berco undercarriage dealer for North and South since 1980 so there is nobody with as much experience as we have in the undercarriage game. We offer a full range of Berco and

McTRACK undercarriage parts. "While our McTRACK range is very competitive, we ensure it is of proven OEM quality. While other undercarriage suppliers are offering extreme low cost products from China, we aren't letting our quality standards drop."

Adds Niall: "So we are looking forward to having a few good chats and doing some business again this year. Balmoral has been lucky with the weather for the last number of years, so more of that would be good too."



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DENNISON JCB RETURN TO SHOW WITH AN EVEN BIGGER DISPLAY



After last year's success, Dennison JCB will be once again exhibiting at the Balmoral Show. Located on the same stand as last year, stand D4, Dennison JCB will be showcasing a wide range of the latest JCB equipment.

The Dennison JCB dealership, located on the Ballyhartfield Road, Templepatrick, was launched last year to supply construction, industrial and access equipment and generators in Northern Ireland and County Donegal and has been scoring notable sales successes ever since.

From telehandlers to tracked excavators and skid steer loaders to site dumpers, Dennison JCB has an excellent range of new and used equipment on display



at the new depot where a highly trained sales team is on hand, supported by an experienced and trained parts and service team.

On the Balmoral stand visitors can expect to see a wide range of JCB machinery including the brand-new X

Series which was only recently launched in March this year.

The X-Series boasts a host of innovative features, with four years of hydraulic development combined with the latest Japanese components delivering the best balance of controllability and efficiency.

Customisable proportional controls allow you to set your preference of speed and control of attachments while the new dozer option adds extra versatility. The boom float feature allows for smooth grading along hard surfaces and improves breaker efficiency by applying the correct amount of pressure.

The X-Series spacious JCB CommandPlus cab with high



Meet the Team

DENNISON JCB



IAN CALDERWOOD

Sales Manager



STEPHEN SLOAN

Sales Executive



JONATHAN FORSYTHE

Aftersales Manager



ROB IRELAND

Sales Director



CONOR SMITH

Parts Supervisor



JEFF HASLETT

Sales Executive



quality injection moulded interior features an industry-leading Grammer seat with wide, adjustable arm rests and reclines 145°. Improved cab isolation using latest double cushion viscous mounts reduces vibration and noise into the cab helping to deliver low in-cab noise of 67dB(A).

A powerful new HVAC with 11 targeted vents provides optimum performance in hot and cold environments and the cool/heat box comes as standard.

JCB's latest boom and dipper is made of high tensile strength steel, reinforced with three-piece wrapper plates and cast ends for extra strength and durability.

Using latest ergonomic design and with the help of customer and operator feedback, the new X-Series has been designed to be easy to use and easy to transport making it easy to get more work done, while the new start-stop button for ease of



start-up means the operator doesn't have to turn the key to start it back up again. The start sequence also allows you to start digging within 2 seconds.

Also on show at Balmoral will be a range of other JCB machines, including a 540-180 and a 531-70 telehandler, a midi 55Z excavator, a mini 8026 CTS digger, and a three tonne swivel dumper.

Hydradig

The JCB Hydradig will also be making an appearance. With 4-wheel steer, 2-wheel steer and crab steer as standard, the Hydradig is not only easy to operate but is also ideal for working in tighter confines. A best-in-class turning circle of under 4m lets you work comfortably within a single carriageway whilst a reverse steer

option lets you change the back of the machine to the front when working in a single lane.

Reduced front swing and minimal tailswing of just 120mm allows you to work closer to walls and a Kingpost means you can dig parallel without compromise to stability – and with a top speed of 40kph and stepless transmission from a T4F 81kW EcoMAX engine, you can travel to and between sites quicker and in comfort. It also eliminates the need to hire or purchase a lorry for transport.

Meanwhile, you may also want to check out Dennison JCB's generator model which is being offered with 0% finance. Discounts will also be offered on a range of merchandise, as well as on parts and servicing. Staffing the stand over the course of the four days will be members of the Dennison JCB team, all experts on new machinery, parts and service.

Visit us on Stand D4 at the BALMORAL SHOW

15th - 18th May 2019

DENNISON JCB




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Show is One of Sleator Plant's Annual Highlights

The theme of the Sleator Plant stand this year will be an extension of the Mecalac philosophy of constant innovation; not only will the Mecalac brand be strongly represented at the show, but so will Genie and Terex Trucks.

Displays will include the Genie range of scissor lifts plus a few of the big, market-leading Z-Booms and S-Booms, while Terex Trucks will be represented by a new Gen-10 TA300 Truck.

Meanwhile, the unrivalled cabbed dumper from Mecalac – the 6MDX – should also be a crowd puller, and Sleator Plant's General Manager Jonathan Campbell tells us there will potentially also be 'a big surprise' from Mecalac.

"We sold over 120 Mecalac site dumpers in 2018 which was a fantastic result, and we've started 2019 with a bang with orders in from the likes of Balloo Hire and CP Hire, so we're confident 2019 numbers will exceed those achieved in 2018.

"We're finding year-on-year growth



with the Mecalac site dumpers and given the quality of the product coupled with the support from Sleator Plant, we've a winning combination."

The cabbed dumper has many advantages. Designed with the driver in mind, it is unrivalled in the market, featuring best-in-class safety and accessibility and best-in-class visibility, while butterfly doors offer ease of access for servicing.



Sleator Plant is also having another good year with Genie. "Genie is an easy brand to sell. The quality of workmanship in each machine is staggering and that has played out in how the market has taken to the Genie product," says Jonathan.

"Prior to me becoming Dealer Principal at Sleator Plant in 2015, Sleator's Genie sales were under £100k, in 2018 Genie sales were over £5m which highlights how the market has taken to our products and also is testament to the confidence the market has in the Sleator Plant dealership. Sales in 2019 have continued in a similar manner as we're currently ahead of our target as we approach the end of Q1."

As for the Balmoral Show itself, adds Jonathan: "We thoroughly enjoy the Balmoral Show; it's the highlight of our calendar year and offers us the opportunity to meet a lot of our friends in the industry during Balmoral week.

"It's also a lovely event for the members of the Sleator team who put in Herculean efforts each year in order to make the event as successful as possible. Each year we've also managed to get significant orders, so the show is very much a worthwhile event for us.

"We will have the full complement of the Sleator Plant sales team, plus myself and our Aftermarket Manager, Aaron McCaul. We also receive fantastic support from each of the brands we represent with dealer managers from Mecalac, Genie and Terex Trucks in attendance – they all love the Northern Irish hospitality!"

He adds: "The theme of our stand this year will be an extension of the Mecalac philosophy of constant innovation – therefore you should see a lot of "#innovation" on our highly popular social media platforms in the run up to the show. We continue to get better at organising our Balmoral Show stand and hopefully our followers will notice this also in 2019!"

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Kubota to Showcase New Utility Vehicle

Kubota UK will also be returning to the event to showcase its impressive portfolio of equipment and services.

Pride of place will be taken by Kubota's new RTV-X1110, which boasts power steering, an advanced suspension system, deluxe split-bench seats, full ROPS protection and an easily accessible high capacity, hydraulic cargo tipping bed.

Thanks to its unique drive train arrangement, the RTV-X1110 goes where other utility vehicles can't. Kubota's innovative VHT-X variable hydrostatic transmission and dynamic engine braking makes the RTV-X1110 one of the safest utility vehicles on the market.

With its rapid acceleration and gripping traction, the RTV-X1110 can stop and resume climbing without the need for braking.

Ergonomically designed for effortless operation and optimum driver and passenger comfort; the RTV-X1110 also features a digital easy-read instrument panel and under seat storage.

In addition, visitors will be able to see first hand Kubota's high performance range of groundcare machinery on its stand. This will include its prestigious domestic



lawncare products and solutions for the professional groundcare market.

Kubota is offering a fantastic £300 cashback on the purchase of its powerful GR2120 ride-on mower and £200 cashback on the economic and versatile GR1600 along with the T1880 & Z122r.

Across the four day event, Kubota's machinery experts will be on hand to help visitors select the right machine for their needs, backed up by the company's first class commitment to aftersales service and support, which also includes attractive finance options.

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KUBOTA & GB LANDSCAPES MAKE A PERFECT PARTNERSHIP

Gary Baird from award winning GB Landscapes from Castleberg in County Tyrone is clearly a big fan of Kubota; he currently has 43 machines from the Kubota range in his growing fleet, and he has his eye on adding a few more in the months ahead.

Supplied by dealers D A Forgie, the Kubotas at GB Landscapes range from tractors, diggers from 1.5 to 8 tonnes, utility vehicles, tracked dumpers and a variety of lawnmowers.

Any machinery or equipment employed by GB Landscapes need to be robust and reliable as the services provided by the company, established by Gary 23 years ago with just a single van on the road, are in constant demand from leading construction companies and highways contractors.

We are not surprised, because GB Landscapes have become one of the leading companies of their kind in the country, with a string of prestigious multi-million pound projects under their belt, and more in the pipeline.



Major contracts include the creation of a series of garden areas at South West Acute Hospital in Enniskillen, for which he won a major ALCI award, landscaping on the A8 road alignment scheme and the A2 Shore Road, as well as large school projects.

Currently, GB Landscapes are involved in the A6 Randalstown - Castledawson Dualling Scheme and are also employed on a major contract in Liverpool.

With a 50-strong plus team of trained and highly skilled personnel, the company's expertise ranges from grounds maintenance, design and hard landscaping to

sportsgrounds, drainage and interior landscaping, so the machines in the Kubota fleet certainly earn their keep.

Durable & Robust

"They wear very well, they benefit from a solid build and are very reliable and effective for what we do," says Gary. "In my opinion, nothing else touches them – and they retain a very good aftersales value."

He adds: "It also helps that our operators are also very impressed with the machines' capabilities and performance."

GB Landscapes are constantly increasing their fleet of equipment to meet

growing demand for their services. "We are in the running for other major contracts, so there is always a need for more plant and machinery – and we would have no hesitation in opting for Kubota."

Dealer Support

The working relationship with the team at dealers D A Forgie's is also vitally important to GB Landscapes, and it couldn't be better.

"We can't afford any unnecessary downtime because of equipment failure and D A Forgie is always there when we need them, providing us with temporary replacement machines, if necessary, so we can fulfil our project obligations on time," explains Gary. "If we need additional equipment at short notice, availability is never a problem, either."

Adds Gary: "We can't fault the back-up support from Kubota and D A Forgie; it is first class and we look forward to continuing our relationship with them for years to come."



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Groundforce appoints new piling operations director



James Burchell

Groundforce has appointed James Burchell as its new operations director for its Piletec and Mr Cropper piling businesses, and U Mole, the company's trenchless technology business.

James, who has been with the company for more than 20 years, most recently as commercial manager for major projects at Groundforce Shorco, was appointed following the retirement of Bill Gorton.

He joined the business as a yard labourer/driver, delivering shoring equipment, experience which has made customer services and colleague empowerment a personal priority.

He moved from sales to an operational role in 2012 as project manager for Groundforce, responsible for driving better customer service on major projects and a feasibility study

which led to the formation of the award-winning Groundforce Training Services.

Commenting on his new appointment James said: "Following in Bill's footsteps, I'm looking forward to identifying and working up the many opportunities that exist in the piling sector.

"Our strategy will include investment in all three businesses, to grow our portfolio of products to complement our existing fleet, and introduce new equipment which not only makes using it safer but also makes the end users more productive. Our aim is to give customers choice by offering a range of products and solutions that meet their requirements, together with providing the highest levels of service.

"We currently operate in the UK and Ireland from six locations – Glasgow, Wigan, Derby, Harlow, Northfleet and Port Liao – but we are always looking to increase our nationwide locations to help serve our customers."

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Liebherr PR 736 LGP in operation at north Wales quarry

Borras Quarry in north Wales is a former airfield site that has been in operation for over 60 years. Producing sand and gravel from shallow excavations under the ownership of a number of companies, the site has recently come under the ownership of the Breedon Group.

Until recently, an excavator and dump truck combination was the only equipment used for extraction as Assistant Quarry Manager Martin Davies explained: 'Our previous method of winning material meant that the excavator, a Liebherr R 944, had to work in various spots around the quarry floor to obtain a good product to put through the plant. "We felt a dozer would increase our output and blend the material faster and more easily. Whilst this wasn't something that was looked at in the past, we now have the use of a Liebherr PR 736 to undertake this work.'

When the Breedon started to hire in a number of trial dozers, Martin was tasked with operating them because of his in-depth knowledge and experience of this type of machine. 'We had a couple of other manufacturers dozers on hire before the Liebherr and whilst they were both very good tractors, the Liebherr beats them both hands down,' he said.

The dozer is being used in conjunction with the excavator to blend the material and push it into stockpiles for the 40 tonne R 944 to load into articulated trucks for the journey to the washing plant.

'We were told by Liebherr that the 736 would be so much better on fuel than the other machines. We took this with a pinch of salt, as you do,' Martin commented. 'We actually trialled the machine for a month and couldn't believe the figures we were getting back. The Liebherr was using almost 25 per cent less fuel than the other machines doing

exactly the same work. We are extremely impressed at the way it can push too: the engine just digs in and it keeps on pushing until you tell it to stop. It's a bit of a beast to be honest!'

Taken on long-term hire from Liebherr Rental, the 22 tonne dozer is powered by a Tier 4 final Liebherr diesel engine delivering 238 HP that drives through a stepless hydrostatic transmission, which Martin believes is the best combination he has driven. 'It's smooth and always has bags of power when you need it,' he commented.

Supplied with the full LGP specification, the dozer is fitted with a 4.1 m³ straight blade and rides on 914 mm track pads. This particular machine is fitted with Liebherr's free-turning bushings (FTB) undercarriage, which is ideally suited to applications where the machine comes into contact with soft and abrasive material, such as sand and gravel. The large rotating bushings

minimise track and sprocket wear. In addition, chain links and rollers have even more wear material. This extends the service life of the entire undercarriage considerably in these specific conditions.

Since the machine's arrival, Martin has trained Michael Calverley as the regular operator. Despite having had no prior experience of the dozer, Michael has found the machine to be a joy to operate. 'It was daunting at first,' Michael admitted, 'but it is such an easy machine to drive, so responsive and powerful. The cab is exceptional, very comfortable, and the view from the seat right around the machine is far better than any other machine.'

The team at Borras Quarry reports that the machine has been totally reliable since its arrival and has impressed everyone on the site with its phenomenal performance coupled with its lack of fuel consumption for the amount of material moved. 'We've had great service from Gareth Blythin at Liebherr Rental from day one,' Martin explained. 'We simply cannot fault the machine at all,' he concluded.

IPAF PAL Cards now able to carry CSCS logo

The International Powered Access Federation (IPAF) is now able to offer the CSCS logo on its internationally recognised PAL Card operator licence in the UK, in line with a requirement from Build UK stipulating that access to construction sites should be restricted to holders of accredited licences or competency cards.

Not every operator of Mobile Elevating Work Platform (MEWP) equipment that holds a PAL Card requires access to construction sites, while others may

already hold an associated trade or recognised CSCS partner card. IPAF does acknowledge that in some instances operators or delivery drivers of MEWP equipment may be required to have the CSCS logo on their PAL Card to allow access to UK construction sites.

Giles Councill, IPAF's Director of Operations, comments: "Following an agreement with the Construction Skills Certification Scheme, IPAF is pleased to announce that it is now possible to apply the CSCS logo to PAL Cards issued in the UK, provided the holder

has undertaken a CITB or other recognised Health, Safety & Environment test, valid at the point of application for the card.

"Operators of MEWPs who are also members of a construction trade body that affords CSCS accreditation will not need a CSCS logo to be added to their PAL Card, and can instead use the other body's ID card with CSCS logo to gain access to Build UK sites.

"MEWP delivery drivers, maintenance or MCWP installation engineers, on-site instructors or operators who need even occasional access to UK Construction sites and who do not already hold another accreditation recognised under the CSCS partner scheme are advised to contact the training centre where their current PAL Card was issued."

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THE IMPORTANCE OF WORKING WITH SPECIALISTS: PROTECTING YOUR BUSINESS WHEN CHOOSING YOUR R&D TAX CREDITS ADVISOR

Like any marketplace that experiences an increase in demand for services, the number of companies providing 'professional' R&D Tax Credit advice has grown significantly. These so-called specialists are offering to provide businesses with R&D Tax Credit advice, but signing up with an inexperienced, unqualified advisor could have damaging consequences for your business.

R&D Tax Credits are a valuable source of funding, but to optimise this fully, you must choose your specialist advisor wisely. Statistics from HMRC show that NI businesses have claimed a total of £55m R&D Tax Credits this financial year. Whilst this is promising, Northern Ireland accounted for just 3 per cent of total claims and 2 per cent of the total tax benefits claimed. This highlights there is still a wealth of potential available across the NI business sector.

It is increasingly alarming that many companies are being misled and misinformed about the R&D Tax Credit initiative. Businesses can find themselves repeatedly contacted by advisors, promising that 'everything you do qualifies', it is a stark warning sign that all is not as it seems.

There are still many local businesses that are not aware of R&D Tax Credits, or incorrectly think they do not qualify and are not claiming their full legitimate entitlement.

When it comes to choosing your R&D Tax Credit partner it pays to be cautious and do your due diligence prior to signing on the dotted line. Before engaging with any advisor, it is crucial that you ask for references and take time to understand what is included in the fee offered, along with any hidden costs i.e. investigation fees. A reputable R&D Tax

Credit advisory firm should always be able to provide evidence of expert knowledge and insight into legislative changes.

The legislation pertaining to R&D Tax Credits is complex and HMRC's criteria for qualifying activities and expenditure is very specific. It requires a R&D Tax Credit specialist with technical expertise across a range of sectors to truly understand the detailed processes.

To date, HMRC has identified and prevented £300m in fraudulent R&D Tax Credit claims. It is becoming increasingly common for advisory companies to leave clients unsupported when an investigation from HMRC arises – at Momentum, we regularly pick up the pieces of the horror stories.

As a member of HMRC's R&D Consultative Committee, HMRC's high level of scrutiny is highly commended by Momentum. Our approach has always been to apply the highest professional standards to every claim we prepare, resulting in a 100% success rate across more than 800 claims with over £125m in R&D tax relief approved.

As a multi-award-winning R&D Tax Credit advisory firm, working alongside entrepreneurial accountants, trusted financial advisors, financial institutions and other professional organisations, we specialise in identifying all qualifying R&D activities to optimise the true value of R&D tax relief available. Our expert team ensures every claim is thoroughly investigated to meet HMRC compliance, preventing the misuse of R&D Tax Credit relief.





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DEMOLITION SECTOR FOCUS OF INNOVATION AS **KOMATSU** UNVEILS NEW MODEL

Driven, in part, by a culture of 'dispose and replace' evident across society as a whole, and by factors peculiar to the construction sector alone, we have seen a huge swing towards demolish and replace within the construction space.

Gone is the concept of 'building for life', replaced by a drive for better site utilisation, the demands of a more environmentally-aware society, the introduction of faster and more cost-effective build materials and techniques, and the increasing pressure in terms of rules and regulations brought on by disasters such as Grenfell.

In the wings are other pressures like road and public transport access, proximity to amenities, the need to gain height in congested inner city locations, and that factor that many believe led to the demise of the Celtic Tiger – the availability of funding for suitable developments.

For the construction and construction plant sector, this change of emphasis has brought about something of a boom – one that is likely to grow and grow as time goes by. Gone is the fast-fix solution that dynamite once delivered, replaced by the development of specialist machinery with the capacity to gobble up and recycle end-of-life buildings and leave a clean-sheet site for the construction of some new generation creation.

One machinery manufacturer at the forefront of this development is Komatsu, whose products are distributed in Ireland by McHale Plant Sales of Birdhill and Rathcoole and in Northern Ireland by WAC McCandless.

Latest machine to enter the heavy-duty demolition excavator space is their 60-tonnes PC490HRD-11 model. Designed with what is said to be a 'best in class' working height, the PC490HRD-11 operates as a single complete



system, configurable in six different working arrangements to suit changing work demands.

Strong enough to lift a 2t demolition tool to a height of 32m, a 3.34t tool to 28m, or a 5t tool up to 17.4m, its operating weight ranges from 55.2t to 73.4t driven by a Komatsu EU Stage V-compliant engine delivering 270 kW / 362 HP at 1.900rpm, with minimal environmental impact.

Mindful of ecological concerns that govern the awarding of contracts – especially in low emission zones and urban projects – McHale director, John O'Brien, sees the PC490HRD-11 as a machine that 'will allow customers demonstrate their environmental credentials and participate in more tenders thereby future-proofing their investment'.

Now available to order in Ireland, the PC490HRD-11 is said to be 'a game-changing machine' that delivers smooth and convenient operation, high precision, great stability and first-class comfort that allows operators to work through the widest possible range of demolition contracts with optimal control and safety.

Highly versatile in a number of key respects, it features Komatsu's own-designed boom change system. Oversized quick connectors for the hydraulic lines minimise back pressure and oil heating without restricting oil flow. Hydraulically powered pins, mounted inside the main boom structure, reduce damage risk. Its working range indication system means the machine can be operated to maximum effect through a full 360 degrees without compromising safety. Optional is a camera system located at the arm end that can display views of the working area to help avoid equipment damage.

Ease of transportation – a major consideration with every machine of its size – is taken care of in a number of ways, the effect of which is to reduce its working width of nearly 4m down to below 3m for transportation purposes. Every section of the working equipment comes with tie down points and lifting eyes to allow the equipment to be lifted and safely secured on to a trailer while the machine itself has been kept as compact and light as possible. An optional hydraulically variable undercarriage makes it easy and quick to set up on site. Operator convenience is increased as the front screen wiper and the cab tilt functions can be triggered without the operator taking their hand off the main controls.

Other elements amongst its array of features are a full colour cab screen displaying machine limits so operator keeps control at all times, KomVision surround view system, LED working lamps and a neutral gear detection system to help prevent unintended movement of the machine. As with all heavy-duty Komatsu machines, KOMTRAX telematics and Komatsu CARE maintenance support packages apply.





United. Inspired.

WAC McCandless appointed Epiroc dealer for island of Ireland

Having successfully grown Epiroc's share of the market for hydraulic breakers and other excavator attachments in Northern Ireland, WAC McCandless has been appointed the Epiroc dealer throughout Ireland. McCandless's investment in fully trained workshop and field engineers and local stockholding of spare parts, enables them to offer fast and reliable back up to both new and existing customers. The great build quality of Epiroc's hydraulic attachment tools builds on their Krupp and Atlas Copco heritage, their reliability makes them competitively priced, easy to maintain and economical to run.

epiroc.com

W.A.C McCandless
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Email: sales@wacmccandless.com

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ENG Ltd

Decrease in workplace deaths but number of serious injuries up

The Health and Safety Executive for Northern Ireland (HSENI) has published its latest Annual Report which shows a decrease in the number of workplace fatalities but a significant increase in injuries, with major injuries up 27% on last year and all reportable injuries up 13%.

In 2017-18 workplace fatalities were down 31% to 11 compared to 16 in the previous year. Farm related fatalities increased by one with seven deaths and construction fatalities remained unchanged with three fatalities in 2017-18 as in the previous year.

Derek Martin, Chairperson of HSENI stated: "Whilst it is encouraging that workplace deaths are down by 31%, it is disappointing that serious injuries in the workplace are up 27%. HSENI's new draft Corporate Plan 2018-2023 focuses, not only on the causes of fatal accidents, but also on those activities and work areas where the most serious injuries and cases of ill health are known to occur. Over the coming years, these are areas which HSENI will collaborate with partners and industry sectors to drive the numbers down."

HSENI's Acting Chief Executive Bryan Monson said: "Farming still has a poor safety record, with seven deaths compared to six the previous year. Any one of the four main causes – Slurry, Animals, Falls and Equipment – can cause a serious injury or farm death. Sadly in 2017/18 we are still seeing too many accidents of all types on farms.

"HSENI and its partners in the Farm Safety Partnership will continue our efforts to provide information, advice and support, but it is vital that farmers play their part as well by making safety a priority on their own farms. Many of the risks encountered can be minimised by taking a moment to stop and think about safety and taking simple measures to keep themselves and other on the farm safe - failing to do so ultimately results in tragedy."

Bryan Monson also added: "No matter what sector people work in, everyone has the right to come home safe and well after a day's work but the statistics clearly show some parts of some industries need to do more. While HSENI is keen to advise companies on how to meet their legal requirements, we will not

hesitate to take enforcement action where there is a clear danger to the health and safety of Northern Ireland's workforce."

The Annual Report highlights the work HSENI undertakes ranging from partnering with organisations to provide advice and raise health and safety awareness to its enforcement and inspection role.

During 2017-18 HSENI, in conjunction with local councils, raised the issue of 'slips and trips'. HSENI also carried out 6,233 inspections and served 216 formal enforcement notices where very poor practice was found.

Key Figures for 2017-18:

In areas where HSENI has enforcement responsibilities, key trends in work-related injuries are as follows:

- Fatalities down 31% to 11, compared to 16 in the previous year;
- Fatalities in the agriculture sector increased by 1 from the previous year with 7 in this sector;
- Major injuries up 27% on last year; and
- All reportable injuries up by 13% on last year to 1,898.

During the year, HSENI:

- Continued its Farm Safety Partnership work through the second Farm Safety Action Plan and the launch of the FSP Affiliate Scheme;
- Reached over 13,400 children in 104 rural primary schools with its "Be Aware Kids" farm safety messages;
- Involved 3,300 pupils from 74 primary schools in its Child Safety on Farms Poster competition and distributed 41,500 copies of the calendar produced from the winning entries;
- Delivered, in conjunction with local councils, a health and safety initiative to raise awareness of slips and trips;
- Completed seven successful prosecutions, which saw fines totalling £173,750;
- Achieved UKAS Accreditation for its Scientific Services Unit;
- Delivered 6,233 inspections and served 216 formal enforcement notices;
- Dealt with over 1,898 reportable work-related injuries and 869 complaints about alleged unsatisfactory working conditions and activities.

Final phase of £3m project to Upgrade Trunk Main Supplying Fermanagh Reservoirs

NI Water and BSG Civil Engineering has announced the final phase of a £3million water trunk main between Ally Hill Service Reservoir (SR), on the outskirts of Lough Bradan and Doochrock and Drumkeeran SRs near Ederney, as part of a multi-million pound investment to improve and safeguard the local water supply.

The replacement trunk main, which transports drinking water from Ally Hill Service Reservoir near the Bradan Road and continues on to Doochrock and Drumkeeran Service Reservoirs, is due for completion in May 2019.

Paul Davison, NI Water Project Sponsor said: "This larger diameter trunk main is being laid to provide a more robust means of transporting water from Lough Bradan Water Treatment Works to a number of Service reservoirs in the area, including Doochrock, Drumkeeran, Largy and Drumharvey, which in turn supply much of the North/North West and East of Fermanagh.

"In the 2017/18 financial year NI Water has invested £10.6 million in key water and wastewater projects which will improve services for our customers in the Fermanagh and Omagh District Council area."



(L-R) Chairman of Fermanagh and Omagh District Council Councillor Howard Thornton, NI Water's Project Sponsor Paul Davison, Kevin McAleer NI Water, Alvin Edwards McAdam Design, NI Water's Gary McFadden, Eamon Monaghan, Conor Ward (both BSG Civil Engineering), Willie Dornan, McAdam Design and Oliver McGurn - BSG Civil Engineering at Lough Bradan forest.



STEELWRIST

EARTHMOVING EFFICIENCY



SPECIFICATIONS

X12 S45 S45 CS9

Rotational speed (r/m)	8
Rotational force (kNm)	5,4
Maximum tilt angle (degrees)	45
Tilt power (kNm)	29
Necessary flow (litre/min)	70-90
Pressure (bar)	210
Build Height (mm)	425
Weight (kg)	285

Illustrated with MG25 Multi Grapple on JCB HydraDig

360° Rotation

45° Tilt Angle

SQ Auto Connection

Front Pin Lock

Durable Cast Steel

DATATAG Anti Theft

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STEELWRIST TILTROTATOR BECOMES INDISPENSABLE AT MG CONTRACTS

Having thought long and hard about investing in a tiltrotator, Mark Gillis finally took the plunge and acquired a Steelwrist X18 – and he hasn't looked back since!

Mark heads up Magherafelt based MG Contracts who have carried out a wide and varied range of projects throughout Northern Ireland since the business was established in 2006, ranging from kerbing and paving, and paths and driveways around housing developments to excavation and drainage and sewage work.

The X18, with an S60 quick coupler and gripper, has the distinction of being the first sold into Northern Ireland by Steelwrist; it has been fitted to a brand new 14 tonne Doosan DX140LCR-5 supplied by Northern Excavators.

Tiltrotators, of course, are no longer new to the UK or Irish market, but it has taken more time than it should for the benefits to be appreciated. Slowly, slowly they have become a desired piece of equipment, making an excavator operator more flexible in the work that he can do, and more time efficient.

"I had to talk myself into getting the X18 because at first I just couldn't see the benefits it would bring to my business; I found it difficult to justify the expense,"



admits Mark. "To be honest, I must have spent five or six years trying to come up with sufficient reasons to buy one."

And now that he has taken the plunge? "It's absolutely brilliant. It is everything I wanted it to be, and more; it is just so versatile," says Mark. "I wish I'd have got it sooner."

"With the tiltrotator I can reach places on work sites I couldn't have done before; it has added a new dimension to the capabilities of the excavator and we can undertake work that we wouldn't have considered before."

"I have other smaller machines in the fleet, but these are not needed so much now because the tiltrotator has all the bases covered."

More Productive

One of his reasons for purchasing the X18 was to compensate for a shortage of skilled labour. "It is difficult finding additional workers and the tiltrotator has certainly not only filled a gap but has also made life a lot easier for the men I do have on site," says Mark. "Because the tiltrotator has transformed the excavator we can accomplish a lot more with less. It has made a big difference

to our working day; much more productive and efficient."

He adds: "The gripper is essentially an extra worker, and it's always there when you need it; it can be used to pick up and move heavy objects without the need for bringing in additional lifting equipment. We can't imagine doing without it."

The X18 is also equipped with one extra hydraulic outlet where you can connect hydraulic attachments such as grabs. The extra outlet is always available and independent from the gripper cassette.

Advanced Control System

The X18 came with Steelwrist's latest generation, highly advanced, innovative and operator friendly XControl system which uses well-tested software for hydraulic valve control to provide superior drivability and feeling.

The XControl G2, the most versatile on the market, makes life much easier and safer for the operator, – and it also helps to reduce fuel consumption.

With XControl G2 all settings and changes to the system are made on a 3.5 inch touch screen with clear and logical menus. It is easy to set different profiles for different drivers, work situations or work tools.





STEELWRIST Support

Introducing new technology to the fleet, of course, can be daunting at first. "When I first tried to work with it I got a bit concerned that it mightn't be for me, the controls seems so complicated; I began thinking I had made a huge mistake, but after a couple of days it became easier and now it is second nature."

The team at Steelwrist, he says, were superb in providing the necessary aftersales support. "They spent the good part of a day with me, setting up the tiltrotator and talking me through how to get the best from it."

He adds: "It has been a big investment for us, but it has already made a huge difference on site, and we wouldn't think of ever doing without it now. It really has become indispensable."



New aggregate storage solution has strong 'Lego' characteristics

QuikBlock is a new versatile storage solution developed by Co Antrim precast concrete manufacturer Moore Concrete for use in the quarry, recycling, farming and landscaping sectors.

Based on a 'Lego' principle, the high-quality individual block components can be quickly assembled, where required and then re-assembled at another location, if the need arises.

The system also features a very high-quality surface finish, which adds to its attraction for all users. But robustness and reliability are at the core of the QuikBlock approach to storage. In essence, the interlocking blocks create a strong structure with no need for bonding or fixing.

"We bought in to the system as soon as it came to market," confirmed Luke McMullan, the man who heads up Quarrystore, the landscaping division of the Co Antrim quarrying company Boville McMullan. "We store a large number of different



Luke McMullan of Boville McMullan chatting with Moore Concrete's Andrew Moore & Gail Service regarding the benefits of the new QuikBlock walling and storage system.

aggregates on site at the one time and QuikBlock fitted this storage requirement to a tee.

It is flexible, robust and, most importantly of all, can be put in place very quickly."

Quarrystore is supplying a wide range of landscaping and gardening-related products, including decorative stone, aggregates and mulches to customers around the UK.

Added Luke: "With the growth in the business, we have had to expand our storage capacity significantly. The QuikBlock option allowed us to make this a reality in a very straightforward manner."

QuikBlock comes in standard block units, each weighing 1,600 kgs and half standard block units, weighing 800 kg. In addition, each unit can be manufactured as a large option. In these cases the standard block weighs 2350 kg with the half block option weighing 1,175 kg.

"Demand for QuikBlock is growing within all of those sectors where aggregate storage is a focal point of the business," confirmed Moore Concrete's Gail Service. "Its total versatility is its key selling point in tandem with the systems strong durability."

J D Forktrucks Cement Deal with Tracey Concrete

J D Forktrucks, based in Newtownabbey, Co Antrim, has recently completed a deal with leading Enniskillen based, precast concrete products manufacturer, Tracey Concrete, for two brand new Hyundai 7,000 kg 70D-9 diesel counter balance forklifts.

Tracey Concrete is a family owned and run business, which began trading in 1979 as a ready-mix company, and has since grown into one of the largest precast concrete manufacturers in the UK and Ireland. The company specialises in precast drainage, bespoke tunnelling, high level engineering and building products.

The company has an existing fleet of 38 forklifts mostly ranging from 3 tonnes to 5 tonnes and had not considered the Hyundai brand in the past.

In the early part of last year Martin McAfee, Sales Manager, J D Forktrucks, contacted Tracey Concrete to introduce the company to Hyundai and J D Forktrucks. Although the business was not in the market for new trucks at the time, Martin forged a friendship with Tracey Concrete founder, Patsy Tracey and director Anton Tracey.



As the company was expanding and the workload was increasing Tracey were in the market for some larger trucks.

Anton Tracey commented, "We were looking for bigger machines and having been in contact with Martin from J D. We knew that Hyundai made a 7-tonne machine. We got in touch and told Martin what we needed - he pitched the Hyundai brand well and highlighted all the features - he also offered a reasonable package."

Anton added, "We decided to go ahead with the deal and ordered the Hyundai's. They

arrived in very good time with a fast turn around and were delivered in December last year and although it's early days we are very happy with the machines so far."

Both machines are fitted with Fabcon Engineering lifting attachments, which are permanently fixed to the trucks, which allow them to perform their daily duties of shifting and loading heavy Manhole Rings. The forklifts work approximately 10-hour shifts so need to be robust and reliable.

Anton said, "The operators that moved over from our other forklifts onto the new Hyundai's have said that they like the machines and that there are many advantages on the machines."

"They particularly like the better visibility the 70D-9 offers and the high spec comfortable cab, which has excellent suspension. They also said that the machines were user friendly and easy to get used to from a control point of view. They are also steady on uneven ground and can handle all-terrains. The operators also like the in-cab entertainment system with blue tooth." Added Anton.

Tracey Concrete is growing its forklift fleet as the business grows and is planning on future investments and refreshing its existing fleet. Anton concluded, "We are growing our forklift fleet and in any future investments planned we would definitely consider Hyundai forklifts and J D Forktrucks."



Switch to EC-Oil makes work safer and quicker for Collins Earthworks

When Liam Schofield, a digger operator for Collins Earthworks, was told he could specify attachments for his Volvo EWR170E, he chose an Engcon tiltrotator with EC-Oil – despite a company policy previously favouring a competitor's product.

Collins Earthworks had not operated an Engcon tiltrotator before Liam requested it, so were a little sceptical and encouraged him to use the standard company equipment. But Liam stuck to his guns, as he knew the advantages of the EC-Oil system.

He comments: "I knew what the Engcon kit is capable of, and knew it would save me time and offer me great control. The system promoted by Collins' current supplier just couldn't match its performance. I'm glad I persevered – the Engcon is a great bit of kit."

Collins Earthworks Ltd has been managing earthmoving projects for over 15 years. Based in the Midlands, they are constantly making investments in their fleet, equipment and staff. Keeping machine downtime to a minimum, maximising productivity and efficiency, Collins prides itself on being able to supply the best machinery and workforce for the job, when and where they're needed.

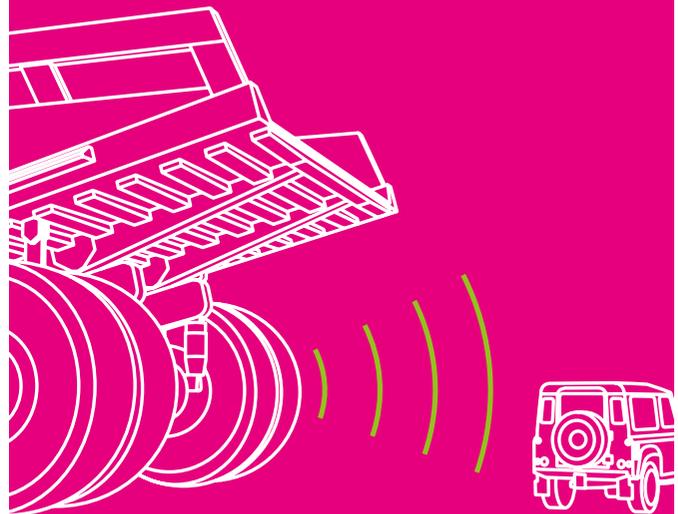
Liam adds: "I was familiar with Engcon and I was keen to use their kit. I know many owner



Liam Schofield

operators who use them and really rate them. EC-Oil system is a great time saver – I can change attachments without getting out of the cab, which means it's safer too. I do a fair amount of motorway and road work, where traffic is a constant risk. So the fact that I can stay in my cab rather than venture out onto the highway is a major benefit – some drivers come very close to us on the motorway! And it also means I don't have to keep putting all my high-vis stuff back on every time I want to change attachments."

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DAF LF Sweeper chassis now available with 12 speed AS Tronic gearbox option

DAF Trucks – in collaboration with Johnston Sweepers – has introduced ZF’s 12-speed AS Tronic transmission as an option on its market-leading LF Sweeper chassis.

The wide ratio spread option bridges a gap between existing manual and fully automatic transmission options from Allison, delivering low-speed control when sweeping, and efficient, low noise cruising speeds over longer distances.

The move comes following demand from Johnston Sweepers’ customers who have remained loyal to the DAF LF product – and its many class-leading features – but realised the benefits that AS Tronic’s two-pedal, automated manual transmission could bring. The AS Tronic option is also



available to specify with other leading UK sweeper body manufacturers. The first two 18-tonne GVW Johnston-bodied vehicles equipped with the

AS Tronic option are now in operation with Go Plant and Sweeptech.

DAF Trucks offers a dedicated sweeper chassis at the sweeper sector’s most popular 16-tonnes weight category – fully engineered specifically for sweeper applications and to suit the full range of bodybuilders and body types. DAF Trucks also offers sweeper-suitable models at 7.5-, 12- and 18-tonnes GVW.

The AS Tronic option sits neatly between the LF Sweeper’s other gearbox options, offering one solution to the different requirements of Local Authorities and contractors. The wide ratio spread (10.37:1 to 0.81:1) delivers both precise low-speed control and acceptable highway speeds. For contractors operating at greater mileages, AS Tronic’s two-pedal control maximises driveline efficiency and optimum fuel economy.

Hill Engineering’s Tefra Tilt hitch saves time for CD McNeill

Saving time and therefore money, but doing so safely, in the civils sector is increasingly important in today’s cut-throat business environment. And one contractor has found a simple way of doing just that.

Tarmac and civils contractor CD McNeill has a growing plant portfolio – three excavators, two tippers and three dumpers – and a large, remote geographical area to cover, so it is important that those machines are versatile.

The business, which was founded by Danny McNeill almost 50 years ago, specialises in small-scale civil works, site clearance, drainage works, driveways, car parks and footpaths, farm roads and forecourts, and ironwork, kerbing and fencing. But it works with big clients, public bodies such as The Highland Council, Scottish Water and NHS Highland, from its base in Dingwall, near Inverness, from where it covers Ross-shire, as well as the West Highlands and further down to Sutherland.



So when Danny’s son, Grant, saw Hill Engineering’s Tefra Tilt hitch at Scotplant last year they decided to purchase one for use with a new Volvo ECR58 five-tonne compact excavator they were ordering for tarmac surfacing work on rural roads including those on the Isle of Skye.

The fully-automatic Tefra Tilt combines the award-winning Tefra coupler with the HKS Extra Tilt Power Actuator for excavators from three to 20

tonnes. Its unique positive locking system makes it the safest, strongest and most reliable coupler on the market today.

“We thought it might be a valuable piece of equipment,” said Grant.

And so valuable has the Hill Tefra Tilt hitch proved that they have now purchased a second, for use with an existing EC27C three-tonne compact excavator on drainage and engineering projects.

Grant said: “We used the Tefra hitches because they give us more flexibility. They are very versatile, allowing our machines to carry out more tasks, from ditching to levelling without having to reposition them. We can’t do with moving them around all the time in confined areas.

“Our clients think the Tefra hitch is a great benefit as well because if we are working on a school site with restricted access, we don’t need to move machines around as much which is also a Health and Safety benefit.”

He added: “We believe the Tefra tilt is 25% faster to use, which all comes off the bottom line. That might enable us to finish a project a day earlier which not only makes the client happy but means we can move onto other projects more quickly.”

Ross Fairweather, Hill Engineering’s sales manager for Scotland, added “As a company we strive to ensure we offer the best possible solutions for our client’s requirements. CD McNeill have been a loyal customer for a long time and we are extremely thankful to Danny, Grant and their team for their continued support and positive feedback.”



THURSDAY 29th AUGUST 2019

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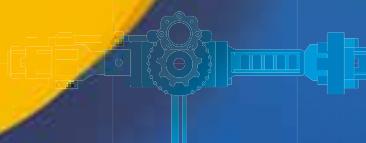
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BAUMA 2019 SET TO BREAK ALL RECORDS

Records are set to be broken at the world's leading trade fair for construction machinery, bauma, with more exhibitors from 55 countries, and more than 600,000 visitors from around the globe expected to attend.

Bauma, of course, is more than the world's leading trade fair: it is the heartbeat of the industry. It sets the pace, energises the market, and drives business, with one paramount goal: to always already focus on the next challenge - because it's not just about the status quo, but about the future; because it's not just about individual perspectives, but about the big picture: the construction, building material and mining machine industry in its full dimension.

It is the largest international meeting place. It's global network and digital touchpoints do not only reach the trade visitors at the exhibition itself, but the entire industry around the globe. A reach that is of benefit to both exhibitors and visitors. Because to be present at bauma means to have access to all markets, to all target groups, to all decision-makers.

This year, for the first time, visitors to Hall B0 will be able to experience the industry virtually – thanks to virtual and augmented reality. This is made possible through a combination of images, sound, or sensor feedback, such as wind.

Digitisation, of course, is gaining ground in the construction machinery industry. More and more technologies are making their way into the industry. Cloud-based infrastructures, digital services portfolios and security solutions are ringing in a change of paradigm.



It is possible to realise and automate construction projects more efficiently, faster and more cost-effectively without having to sacrifice quality.

In order to achieve this, all stakeholders must, for instance, be perfectly connected with each other, and the processes must be handled electronically. Initial systems for these purposes already exist – and they can be seen at bauma.

Many construction machines are already equipped with communication interfaces that provide comprehensive data, e.g. on location and consumption. This development is also reflected at bauma 2019. Visitors will not only be able to find out about initial technologies, but also exchange views with the exhibitors about their potential.

Over the next number of pages, Plant & Civil Engineer brings you a flavour of what expect over the course of the exhibition...





First Time Showing for Doosan Machines

Doosan Construction Equipment will be showing a wide range of new products for the first time, including the Stage V DX27z, DX35z, DX62R-3, DX63-3 and DX85R-3 mini-excavators, the new DX250WMH-5 25 tonne material handler, the new Stage V DX300LC-7 30 tonne excavator, the new DX800LC-5B 80 tonne excavator and new 30 and 40 tonne class Stage V compliant articulated dump trucks (ADTs).



The new Stage V compliant 2.7 tonne DX27z and 3.5 tonne DX35z zero tail swing (ZTS) models enhance Doosan's range of mini-excavators, providing a best-in-class mix of superb stability, smooth controllability and high digging forces, complemented by low weights for easy transportation. As a true ZTS machine (even with the optional heavy counterweight), the DX27z

offers the highest flexibility of movements when working close to walls, coupled with best-in-class 360-degree stability and a low weight for easy transportation. The DX35z is a new generation model in the popular 3.5 tonne machine class offering the additional benefits of ZTS design.

This excavator provides the best possible mix of

compactness, a large operating range for the workgroup, great stability and a large and comfortable operator area.

The DX27z and DX35z will be shown alongside new Stage V versions of the company's very successful DX62R-3 and DX63-3 6 tonne and DX85R-3 8 tonne mini-excavators.

Moving up in size, Doosan will also be showing the new

DX250WMH-5 25 tonne Stage IV compliant material handler for use in the solid waste, recycling, demolition and forestry industries.

Based on Doosan's popular DX210W-5 21 tonne wheeled excavator, the new DX250WMH-5 material handler has been designed specifically for a wide range of material sorting and handling applications such as those in the scrap metal and other solid waste and recycling industries, as well as logging.

Bauma 2019 will also provide the ideal platform for the first view of the next generation of Doosan medium size crawler excavators in the form of the new Stage V compliant DX300LC-7 30 tonne excavator. The DX300LC-7 offers an unmatched combination of high performance, operating features, fuel efficiency, reliability and durability in the 30 tonne excavator class.

Terex Trucks Updated Hauler to Make Debut

Visitors to the bauma 2019 exhibition will have the chance to get up close to the newly upgraded Terex Trucks TA300 articulated hauler.

This will be the first time the machine has been displayed at an international trade show and it will take pride of place on the company's outdoor stand.

The Terex Trucks team will be at the event to show visitors how the company's two articulated haulers – the TA300 and TA400 – deliver low total cost of ownership and high productivity at jobs including large-scale construction projects, infrastructure developments and quarries.

"Bauma is the world's leading construction machinery trade fair, and as such, it's a showcase of virtually every machine in the industry – but for Terex Trucks, it's all about the articulated hauler," says Paul Douglas, Managing Director of Terex Trucks.

"The articulated hauler is the only product Terex Trucks manufactures – so therefore we're able to focus all our attention on this machine. We are the experts in all things articulated hauler. That's one of the key messages we want to get across at bauma 2019: we specialise in robust, reliable articulated haulers.

"We will also be discussing the investments and improvements we've made in our product line and our growing dealer



network. All of this, which is underpinned by our long-standing expertise in the field, has helped us to make sure our articulated haulers are even more productive and reliable. Terex Trucks is the strongest it's ever been.

"Having recently launched an updated version of the TA300 that boasts improvements in fuel efficiency,

performance, productivity and operator comfort, we see bauma 2019 as the perfect opportunity to display the hauler in front of a global audience. As well as this, we'll also be using the show as a chance to inform people about our TA400, which is the biggest articulated hauler we make. In terms of maximum payload, it's 10 tonnes (11 tons) bigger than the TA300."

New Doosan Portable Power Products

Doosan Portable Power (DPP) will be showing several new portable compressor and generator products for the first time. They include the new Stage V compliant 12/205 and 12/255 portable compressors, the new 7/53R portable compressor for the rental industry and the new G20 generator.

The 12/205 and 12/255 are part of a new generation platform of large Doosan Stage V portable compressors, with six models offering free air deliveries from 20.5 to 30.0 m³/min at operating pressures from 8.6 to 21.0 bar.

Both models are powered by the new Cummins B6.7 Stage V engine with an integrated after-treatment system and providing increased fuel efficiency.

These new Stage V compressors build on the high standards established by the Stage IV models, again combining a compact size and enhanced/simple serviceability to ensure a fantastic return on investment and ease of use.

Both models also offer increased environmental protection via a standard bunded base and the optional ECOMizer system, resulting in up to 75% fuel consumption reduction when the machines are in idle mode.

Large portable compressors like these are used to provide compressed air for a wide range of drilling and boring machines for quarrying, mining, site investigation, geothermal, mineral exploration and water



well construction work. They also cover other specialist applications such as abrasive blasting, spray painting and standby and temporary compressed air for industry.

The new 7/53R portable compressor supplies 5.0 m³/min (177 cfm) of compressed air at a rated pressure of 7 bar. Designed to meet O1 trailer category requirements – the 750 kg category – the new 7/53R is ideally suited not only for the rental

market but also as a durable, cost-effective machine for the 5.0 m³/min segment, covering the most common applications in construction, utilities and other markets.

Another DPP product new to Bauma will be the G20 generator, providing a prime power output of 19 kVA and driven by the Yanmar 4TNV88 18 kW diesel engine, meeting EU Stage V engine emission levels for generators.

Thwaites Flies the Flag at Show

Exhibiting at Bauma for the 10th time spanning more than 30 years, Thwaites see real value in flying the flag for British manufacturing.

There is a powerful mix and opportunity when as a manufacturer, its export sales team stand with its European distributors and their customer,

in one conversation, in one place, face to face to 'talk dumpers'. Multiply this factor many times a day, over seven days and the intel and data become sizable and invaluable.

On site safety, engineering excellence and operational effectiveness remain at the core of all Thwaites production. These attributes drive research and development ensuring that the product excels, delivering to contractors and clients all over the world a range of machines that minimise risk, improve productivity and reduce operational cost.

Whilst manufacturing continues today on the same site it all began in 1937. The company's development and continued investment ensures the

plant has one of the most integrated, smart manufacturing processes in the industry.

At the Warwickshire factory Thwaites cleverly combine the millions of pounds invested in fibre lasers, robotic welders and digitally controlled milling machines, with the experience and skill of a team of engineers, welders, paint sprayers and assembly workers, manufacturing a range of dumpers that are robust and ready for the demands of today's exacting market.

The stand will show the latest range of dumpers from the compact 1 tonne to the powerful 9 tonne; cabled dumpers with a range of all-round visibility technology will also be on display.



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Heritage and innovation at the heart of the CASE stand

CASE Construction Equipment's display will focus on heritage and innovation; reflecting CASE's approach to providing solutions for customers' specific requirements, visitors can experience an application-based layout of the CASE stand.

Quarrying, recycling, urban construction and road-building each have a dedicated area, with CASE showcasing a total of 15 machines and sister brand IVECO displaying four vehicles.

In the quarrying section will be a CASE 1121G wheel loader, a CASE CX300D excavator and an IVECO Astra HD9 truck. These all possess the dexterity and power required to deal with the demands of the quarrying application.

For recycling, there will be a CASE 821G Waste Handler

wheel loader and an IVECO X-Way NP crane-tipper truck.

Stationed in the urban construction sector will be the new CASE CX90D excavator, the CASE TV450 compact track loader, CASE CX18C and CX37C excavators, a CASE 570ST backhoe loader for non-regulated markets, a CASE 321F compact wheel loader and an IVECO DAILY 4x4.

The CASE CX90D MSR completes CASE's D series excavator range by adding a midi-sized option. This swing version has a Stage V Yanmar engine, with its 3.3 litre capacity producing 69HP. This results in increased torque at lower rpms and an overall wider torque range.

Fastest in its class, the CASE CX90D also features options such as oil sampling ports, quick coupler provision and LED lights. Benefitting from the

latest advancements in operator comfort, this brand-new machine has the spacious CASE D SR series cabin, large and easy-to-read monitors and a high-back seat designed to reduce pressure points and therefore fatigue.

Road building

On show for road building will be a CASE 856C AWD grader, CASE1650M dozer and the IVECO X-Way tipper truck.

CASE's C Series of graders feature best-in-class mouldboard control. Also, this latest range of CASE graders comes with an advanced Ergopower transmission combined with a torque converter, ensuring smooth shifting for perfect control. A roller-mounted, encapsulated slewing ring means effortless mouldboard rotation, providing a zero-friction engineering solution.

The CASE 1650M dozer is specifically engineered for high

pushing power and grading precision. A turbocharged engine produces high torque, while the hydrostatic transmission means each track is powered independently. This means the CASE 16050M dozer can push at full power throughout a turn, resulting in total control for fine grading and slope work, as well as unbeatable productivity.

Delivering the robustness required for road building applications, the IVECO X-Way tipper also features IVECO's latest fuel efficiency and safety technologies.

50th anniversary

2019 marks the 50th anniversary of the CASE skid steer loader. As a result, an original CASE 1530 Uniloader from 1969 will take pride of place on the stand.

Since their inception, skid steer loaders have been fundamental to the CASE brand. The current line-up retains the same versatility that made its predecessors so popular, while combining cutting-edge touches, such as a cab offering market-leading visibility.

Genie Highlighting Latest "Green" Technologies

Focusing on taking the customer experience to the next level, as part of a line-up of 17 products at bauma 2019 visitors to the Genie stand will discover its expanding new generation of "green" work platforms, full range of Genie Xtra Capacity telescopic boom lifts, new Genie Lift Connect Telematics solutions and the brand's latest productivity accessories.

"Focusing on cleaner and more versatile solutions adapted to the demands of today's European construction and maintenance sectors, with e-driven technologies and 'green' Genie products, rental and contractor customers will find that they have the productive, emissions-free solutions they need to rise to the challenges of today's market to tick all the right boxes even in the most demanding calls for tender," says Simona Martini, Genie Marketing Director, Terex AWP, Europe, the Middle East, Africa and Russia region (EMEAR).

"And, we are pleased to announce that the Genie S XC telescopic boom lift range is now complete. Operators can now benefit from the same extended dual lift capacity and Genie XC design features that are common to all these machines, to work more efficiently and productively."

Fall Arrest Bar

Meanwhile, as part of its commitment to safety, Genie recently brought to market the bolt-on Genie Fall Arrest Bar accessory to provide operators more space to move around in safely when working on adjacent structures outside the platform.

Today, since having successfully passed the dynamic fall arrest anchorage test in line with ISO 16368 as withstanding the force of a free-falling 136 kg (230 lb) test mass, the Genie Fall Arrest Bar is the first and only formally certified personal protective equipment (PPE) of its kind to meet current EU PPE regulations.

Taking the safety of workers to a higher level, the Genie Fall Arrest Bar extends the working reach outside and around the perimeter of the platform, enhancing ease of access and comfort when working on adjacent structures while keeping workers safely attached externally to the platform.

Compatible with all Genie 1.83 m (6 ft) or 2.44 m (8 ft) platforms, the Genie Fall Arrest Bar comprises a yellow, sliding, enclosed horizontal track that allows the lanyard to glide smoothly along the full length of the platform. Thanks to its simple bolt-on design, the portable Genie Fall Arrest Bar system is easy to install by a qualified service personnel for fast set-up or removal within 15 minutes.



Well-suited to a wide range of tasks, applications include roof installation and repair, chimney repair, aircraft and amusement park maintenance and inspection as well as an increasingly broad variety of general construction, maintenance and inspection tasks due to the evolution of today's modern architecture.



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Caterpillar Rewrites the Rules of the Jobsite

“Rewrite the Rules” is the Caterpillar theme, and will be displaying a total of 64 machines, 20 of them new introductions – the most new products Caterpillar has ever introduced at bauma Munich.

Illustrating the depth of machine choices are the new D6 models, available in a broad choice of configurations and updated technologies for next-level versatility and performance.

The D6 XE is the world’s first high-drive electric drive dozer offering up to 35 percent better fuel efficiency than its D6T predecessor and the quick dirt-moving ability of constant power to the ground.

The wheel loaders also illustrate Caterpillar choice—not only offering a wide selection of model sizes, but also giving customers a choice of drive-train design.

On display will be the 950 GC, 950M, 962M waste handler, 986K, and 992K, plus several XE models—966M XE, 972M XE, and 988K XE.

The 966M XE and 972M XE are equipped with the Caterpillar parallel path drive system that combines hydrostatic drive with a parallel mechanical-gear path to provide

a continuously variable transmission that delivers flexible ratios to run the engine at proficient operating levels, ensuring optimum efficiency and fuel economy in all operating conditions. The XE technology on the 966M XE and 972M XE offers up to 35 percent more fuel efficiency, compared with wheel loaders with conventional powershift transmission.

The 988K XE is the company’s first diesel/electric-drive loader, employing a durable switched-reluctance drive motor, generator, and inverter, coupled with a mechanical gear box and axles. The 988K XE lifts fuel efficiency and productivity to new levels.

Also being showcased are Cat Next Generation excavators—the new 330 GC, 330, and 336 – which are equipped with integrated Cat Connect Technology that can increase operating efficiency up to 45 percent, compared with conventional grading operations, and can enhance fuel efficiency as much as 20 percent, compared with predecessor models.

Additional models on display include the 973K track loader and 325F, 340F UHD (ultra-high-demolition configuration), and 390F excavators. Wheel excavators will be

represented with the M314F, M315F, M317F, and the M318F. Material handler models included the MH3024 and MH3026.

Building Construction Products

Five new Cat Next Generation mini hydraulic excavators in the BCP line-up will be on display—301.5, 301.6, 301.7 CR, 301.8, 302 CR—designed to provide customers the best performance, versatility, safety, operator convenience, and affordability in the smallest possible packages for 1-to-2-ton class machines. Industry-first standard features include joystick steering (stick steer) and a tilt-up canopy or cab, as well options such as air conditioning and expandable undercarriages.

Off-Highway Trucks

For users of off-highway trucks, on display will be the 777G, a 100-ton (90 mt) hauler with a Cat C32 engine rated at 945 net horsepower (704 kW) with US Tier 2 equivalent emissions. The new truck features a refined cab that positions the operator seat on the left side, along with a new console with an integrated hoist and shift lever.

The new 777G provides customers a choice of bodies. The 60.1 m³ dual-slope body is designed for maximum material retention on grades and has two side-board configurations available for light material, as well as a rubber liner. The X-body is designed with a flat floor to better meter material into a crusher and is available with either steel or rubber liners.

Electrifying Tours from Wacker Neuson and Kramer

The Wacker Neuson Group will take visitors on an electrifying tour of its vast product portfolio, with its zero emission range one of the main attractions

at the Wacker Neuson and Kramer stand.

Visitors will be able to see new machines on display and also experience equipment live in action on a large demo area. They will also have a chance to test

their own skills at the interactive, action-packed test zones.

The entire zero emission portfolio, including the latest additions to the family, will take centre stage, including battery-powered rammers and vibratory

plates as well as electric wheel loaders, electric dumpers and electric mini excavators.

The AS60e battery-powered rammer and the AP2560e battery-powered vibratory plate are the latest additions to the range. Both machines are equipped with Wacker Neuson’s proven battery.

A total of six products can now be powered by this interchangeable battery, making the equipment even more cost-effective for customers.

Other new products in the zero emission portfolio include the fully electric EZ17e zero tail mini excavator and the DW15e electric wheel dumper.

“Emissions are set to become an increasingly problematic issue, especially in urban areas. With our zero emission solutions, our customers will definitely be on the safe side. In meeting emission mitigation needs, we also make sure that we only launch a product once we know that it can do an average day’s work on a single battery charge and that the equipment will pay for itself in three years or less,” reports Alexander Greschner, CSO of the Wacker Neuson Group.





Rapid to Exhibit Innovative Track-Mounted Mobile Continuous Mixing Plant

Rapid will offer a unique opportunity to experience its latest innovation, Trakmix, track-mounted mobile continuous mixing plant. The machine will be on display at Rapid's stand, located in outdoor area FS; information on the newly updated Rapid Reclaimer reclaiming unit for the recovery on unused concrete will also be available.

This September, Rapid will celebrate its 50th year of delivering innovative mixing technology to the concrete, construction, mining, tunnelling and environmental sectors. Established in 1969 in Northern Ireland, Rapid's comprehensive range of equipment includes static and mobile batching plant, mobile continuous mixing plant, pan, planetary and twin-shaft concrete mixers, high pressure mixer washout systems, concrete reclaimers and spare parts.

Core to Rapid's continued success is product innovation. The company aims to release a new product or redesign/update an existing one on an annual basis. In 2019, the Rapid Reclaimer will be reintroduced to the market. Originally launched in 1991 and featured on BBC's 'Tomorrow's World' for its ground breaking innovation, the Rapid Reclaimer recovers unused concrete, enabling reuse of aggregate, sand and grey water. The newly updated unit will feature a redesigned trommel to improve throughput and efficiency and new material infeed system to accommodate concrete pump filling. Further information about the all-new Reclaimer will be available on stand at the show.

Previously once heavily focused on concrete mixing technology, Rapid's expertise has since diversified into other specialised mixing applications, such as tunnel finings, mine back-fill, and port dredging. The Rapid Trakmix has recently been successfully used to stabilise a fluid material for reuse, excavated during a tunnelling project in Northern England. Another recent application involved the processing of mine tailings for a backfill application in Tanzania.

Trakmix, is a track mounted, totally mobile and self-contained, fully weighed high volume mixing plant. Trakmix was designed in response to the growing demand for a mobile continuous mixing plant which provides easy, cost effective transportation and eliminates the need for special transformational permits. Customer demand also indicated

a need for a machine providing more options on outputs on a different platform, offering flexibility for a wide range of site types and applications.

"Bauma brings together the biggest and best in the industry and is the perfect platform to connect with our customers and unveil the latest exciting

new product developments. We look forward to welcoming both new and existing customers on stand. Since the last Bauma, Rapid has experienced a growth surge and continues to solidify its position as one of the global leaders in mixing technology," says Jarlath Gilmore, Sales & Marketing Director at Rapid.

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New Machines Being Unveiled by Hydrema

There will be anything but the usual Danish modesty when Hydrema takes its place at Bauma 2019. Denmark's only manufacturer of large construction equipment will show two new machines on the 450 sqm stand, along with a brand new telematics system for advanced data collection.

Hydrema CEO Jan Werner Jensen says: "Hydrema turns 60 this year, and it's fantastic to be able to use the world's largest construction and mining exhibition to show that we are more alive and have more visions than ever before. Hydrema will be one of the first manufacturers to launch machines with Stage V engines. The Stage V requirement is to comply by 2020 so we are actually ahead of the curve"

Hydrema is keeping tight-lipped about the new products until Bauma opens on Monday 8 April. Jan Werner Jensen can disclose however that, "Hydrema is entering a new segment where the company has not been present before. It may sound cryptic, but one of the new machines is defined by customer demand and developed to set an entirely new safety bar for the market sector."

With seven machines on display, visitors will be able to oversee the entire Hydrema product portfolio from the first-floor terrace bar area, which will be nearly double in size to previous years.

"We expect many visitors at Bauma and as always we are preparing for this event on

a big scale. We will have a staff of about 20 covering all our markets to talk about and show the machines to anyone who wants to see and learn more. In addition to our own specialists, many Hydrema dealers from around the world will also be on the stand."



Mecalac Showcasing Its Innovative Product Portfolio

Mecalac's TV1200 tandem vibrating compaction roller has attracted the attention of the jury for the Innovation Award organised for Bauma; it was nominated in the design category.



As part of Mecalac's range of six tandem vibrating rollers, the TV1200 is driven exclusively with a joystick on the right console.

In removing the roller's steering column, Mecalac has revolutionised the access and driving style of this type of machine. Access has never been this safe, and driving never this comfortable.

The freed-up space lets the driver settle easily into position, the steps have been redesigned for easy access from any side, movements are fluid, and there are no obstacles to negotiate. With their back comfortably against the seat and right hand on the joystick,

the driver has complete freedom to position their legs comfortably while keeping their eye on the work.

With the steering column removed, the driver has a clear view of the major driving information. By offering joystick steering from the right console, Mecalac provides safer, simplified driving in line with new-generation human-machine interface strategies.

The Mecalac Group has built its innovative reputation on designing and producing construction machinery for urban job sites. Since the acquisition of the British facility at Coventry in 2017, backhoe loaders, site dumpers and compaction rollers have been added to the existing ranges of excavators and loaders. Every Mecalac product shows a drive towards continuous improvement of performance, comfort, ease of handling

and safety for the users and the entire job site.

As visitors to the show will learn, Mecalac is the only manufacturer of loaders in the world to offer all possible wheel loader variants - with 13 models from articulated and telescopic loaders to the "Swing" type loaders.

With a rigid chassis, 4 wheel steering and a single-section arm with a swing radius of 180°, the Mecalac Swing loader - with high efficiency and speed of action - provides top performance on all construction sites. Its ability to simultaneously drive, manoeuvre and pivot is key to the high productivity of the Mecalac Swing on site. Stability is assured by a rigid chassis with four wheel steering; while the arm that pivots at constant speed maintains a punishing work rate. This combination of chassis and arm also contributes to the exceptional compactness across the range of 6 Mecalac 'Swing' loaders.

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CDE Set to Unveil ‘Breakthrough’ Plant Solutions

Over the last 25 years, CDE Global has designed and installed almost 2,000 turnkey wet processing solutions across the world.

Not shy of world-firsts and pushing new boundaries – and with bauma 2019 on the horizon – the pioneering company’s continued pursuit of showcasing engineering excellence on the global stage will see CDE unveil breakthrough plant solutions grounded in technology and reveal its cutting-edge patented Combo all-in-one wet processing plant this April.

Committed to the advancement of the industry, CDE Global’s new Centre of Excellence in Cookstown, Northern Ireland, officially opened in February this year. The new headquarters is the world’s largest campus dedicated to the wet processing of materials.

A dedicated Innovation Hub is scheduled to open at the site later this year which will house the most advanced laboratory in the wet processing industry. This state-of-the-art laboratory will ensure CDE continues to develop industry-leading products and enable its customers to extract maximum value from their resources.

New Combo

Nine years after launching the revolutionary M2500, CDE is again leading the industry with the launch of its Combo™ – the world’s first all-in-one wet processing and water recycling solution.

In line with CDE’s purpose to champion sustainability and create a New World of Resource, the patented Combo is the culmination of the company’s pioneering innovation and dedication to recycling.

More than plant machinery, the Combo offers a technological solution to challenges

faced by materials producers balancing the delivery of high-quality construction sands with stringent legislative requirements aimed at protecting the earth from further depletion of its natural sand reserves.

The turnkey solution, designed to transfer greater reliability and efficiency to customers, delivers unrivalled in-spec washed products from a wide range of feed materials. It can be used in the construction, C&D waste recycling, industrial sands, mining and environmental sectors.

With all essential processes housed onto one chassis, the Combo system operates as one interconnected and pre-assembled unit which incorporates an integrated control panel with one single point of operation.

Pre-wired and pre-tested before dispatch, the ultra-compact washing solution requires minimal civils and pipework and operators can now easily relocate their plant across sites.

Also suitable for remote locations, the integrated water treatment enables up to 90% of processed water to be recycled for immediate re-use.

Its bespoke, pre-determined design reduces the overall footprint on site compared to traditional processes making it ideal for tight quarries in urban settings.

Throughout the design process, CDE’s engineers focused on increased accessibility for maintenance purposes and features that boost efficiency and prevent wear to optimise plant lifespan. For example, the robust design is complete with premium wear liners which will remain operational and efficient for over 20 years representing a significant return on investment for customers. The customer-focused Combo™ has also been designed for single-operator use and ease-of-access for routine maintenance.

The plant has a lower power consumption compared to existing technology available on the market, passing economic benefits to the customer who can efficiently process higher volume of materials with reduced operating costs.

Intelligent Plants

CDE CORE, the company’s innovative new range of technology solutions developed to enable customers to increase plant efficiency, automate processes, and lower operating costs, also has its bauma showcase on the cards.

CDE CORE gives customers greater control of their plant, and means, amongst other things, that resources are being maximised and customers can take immediate action to manage plant efficiency.

Taking the idea of the connect plant one step further, CDE Global will open a new chapter for integrating technology in the materials processing industry at bauma; enter the intelligent plant.

What if your plant could monitor its feed materials, determine the actions that need to be taken to maximise yield and respond automatically in real time?

The benefits will be outlined to the market at a masterclass entitled ‘The Connected Plant’ at CDE’s stand on Wednesday, April 10 (16:00) at bauma (Stand Number: FN 1022/1, Outdoor Exhibition Area, North/East).

Bauma 2019 will see CDE take two stands in a first for the company. CDE will be exhibiting its latest wet processing solutions to the market in a 1290m2 outdoor space at Stand FN 1022/1, while inside, visitors can catch a glimpse of some of the innovative work being done by the company at Stand B2 119.





Hitachi presents new mini excavator range

The user-friendly ZX19-6, ZX19U-6, ZX26U-6 and ZX33U-6 offer high levels of performance, stability, comfort and easy maintenance, and can be easily transported between job sites. Ideal for utilities, foundation work, landscaping and indoor demolition or construction projects, the new mini excavators are now equipped with a Stage V-compliant engine to meet the requirements in Europe.



Thanks to an efficient hydraulic system, they are capable of high levels of productivity and fuel efficiency, like previous Zaxis models, they have a quick cycle time and high workload.

The ZX19-6 is highly efficient when working in confined spaces thanks to a small front minimum turning radius, achieved by the positioning of the boom cylinder on top of

the boom, designed to protect it from potential damage.

The versatility of the new ZX19U-6 is highlighted by the expandable crawler tracks. They can be retracted or widened, depending on the requirement of the job site, from 980mm for working in small spaces to 1,280mm for greater stability.

Operator comfort was an important factor in the design of the new Zaxis-6 mini excavator cab (exc. ZX10-6). It is easy to access using the entrance step, and the wide adjustable sliding suspension seat is surrounded by user-friendly controls within easy reach. Hydraulic pilot levers

are used to operate the front, boom swing, travel and blade.

The Zaxis-6 mini excavators will be fitted with new LED lights (exc. ZX10-6) which have a longer lifetime than halogen alternatives for efficient energy use.

Several features incorporated into the design of the ZX19U-6 enhance their durability which includes the D-frame, boom cylinder guard and V-shaped boom cylinder cover with two bolts for added durability.

Standard on the ZX19-6 and optional equipment on the ZX26U-6 and ZX33U-6 includes an auxiliary function lever (AFL) which is useful for various attachments such as a hydraulic breaker. It has a proportional switch for extra piping, and allows for smooth operation and excellent control during manoeuvres.

ALLU to launch and demonstrate new products and solutions

ALLU will exhibit and demonstrate equipment from its Transformer, Processor and other ranges - and unveil its latest developments and new solutions.

The entire range of Transformer models from the smallest DL series to the large M series will be on show, as will be the ALLU Processor 500 HD and a selection of ALLU Compacting Plates.

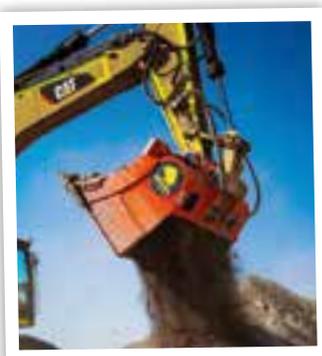
Another demonstration is aimed at showing how pipeline operations are transformed

through the use of ALLU equipment. An ALLU D series Transformer being demonstrated is fitted to a Liebherr 926 compact (27t) excavator, which also includes ALLU's new and unique TS blades; the TS blades are a modern development for the screener / crusher market.

Other products include a new and upgraded ALLU Mobile App with new functions aimed at helping improve customers' productivity and jobsite safety, whilst also providing enhanced customer service

The ALLU Mobile App is the latest development of ALLU's state of the art communication system.

This provides an intelligent digital solution for customers and operators to obtain accurate and timely operational information, thereby maximising safe and productive use of ALLU equipment. Through easier and improved contact functionality, customer support is also enhanced through the new features of the App.



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Evoquip To Showcase New Cobra 290R

EvoEquip will be exhibiting for the first time at bauma, showcasing the Cobra 290R—the newest addition to their ‘compact with impact’ crushing range.

The Cobra 290R is a closed circuit version of the Cobra 290 which incorporates a 2.74m x 1.5m post screen that ensures the required product specification is achieved with oversized material either being recirculated back to the crusher or stockpiled.

The ability to quickly detach the complete afterscreen system including the oversized conveyor provides the option of either running the machine in standard mode or transporting separately.

The compact Cobra 290R closed circuit impact crusher is versatile, easy to use and has the ability to operate in the most demanding of applications making it the perfect solution for many industries.

The track and crush feature comes as standard providing the operator the ability to move the machine using the optional remote control from the excavator cab without shutting down the crusher.



Ground level access to the engine, hydraulics, service and refuelling points also ensures ease of use and serviceability for the operator.

The rapid set up from ground level combined with the intuitive two button start up sequence ensures the customer can be crushing in minutes.

The Cobra 290R uses a 315Hp engine to power the fuel efficient and high performing direct drive system which gives potential throughput of up to 290 tph.

The fully enclosed vibrating feeder incorporates an integrated pre-screen which can be configured to suit multiple applications by selecting from a range of interchangeable media.

Terex Washing Systems To Present Live Washing Demos

Terex Washing Systems (TWS) will present live washing demos of their game-changing AggWash 60™ during bauma 2019.

The award-winning AggWash 60 wash plant, referred to as a ‘Game Changer in Wash Recycling’, incorporates screening, scrubbing, sizing and recovery of sand on one modular chassis and produces up to six grades of saleable sand.

The live demos of the plant will be located alongside bauma showgrounds, offering visitors the opportunity to see a working wash plant processing construction and demolition waste.

Visitors will also have the opportunity to speak to the TWS team of experts across engineering, applications and sales.

Commented Oliver Donnelly, TWS Product Line Director: “The AggWash 60 is an award-winning product and was the world’s first modular solution, comprising screening, scrubbing, washing and sand recovery on one easily transportable chassis.”

The AggWash™ was designed to address requirements for recycling customers and quarry owners, particularly in the construction,

demolition and excavation waste recycling market.

The high performance solution has been designed to maximise yields from feed materials with efficiently designed system processes that keep running costs at a minimum.

While it’s readily portable format makes it particularly suitable for green-field applications, contractor use and temporary planning permission sites, operators more used to static installations will still appreciate the small footprint and minimal site preparations required.





New High-Reach Genie Slab Scissor Lift To Be Launched

As part of its **bauma 2019** product lineup, **Terex Aerial Work Platforms (AWP)** will be showcasing the new **Genie GS-4655** scissor lift.

The latest addition to the brand's large electric slab scissor lift family, this new eco-friendly machine comes in a compact, lightweight package and combines maximised productivity with

increased battery runtime and reduced service costs.

Equipped with the latest generation of fully sealed AC electric drive motors for excellent 'green' efficiency, it is even suitable to meet the demands of indoor and outdoor access tasks. This new model will be available globally in Q3 2019.

Providing a maximum indoor working height of 16.02 m (52 ft), maximum outdoor working height of 10.70 m (34 ft 6 in), a class-leading horizontal outreach of 1.22 m (4 ft) with fully rolled-out deck extension, as well as 25% gradeability and 14° breakover angle to climb steep ramps and make transport easier, the new Genie GS-4655 scissor lift offers a 350 kg (770 lb) lift capacity

for up to three people and their tools and materials.

With its narrow 1.40 m (4 ft 7 in) chassis width, weighing 3538 kg (7800 lb) it has been engineered for high access in restricted spaces, the Genie GS-4655 scissor lift features the latest generation of AC electric drive motors for excellent indoor and outdoor efficiency.

Ready for use anywhere globally, key applications for this new model include narrow aisle warehouses, electrical installation and facilities maintenance tasks, as well as demanding tilt-up and heavy-duty construction jobsites.



Bobcat to Launch Industry's First One Tonne Electric Mini-Excavator

Bobcat is launching the new E10e Electric Mini-Excavator, the industry's first commercially available fully electric, zero tail swing (ZTS) mini-excavator in the one tonne class.

With no emissions, a low noise operation and a width of just 72 cm, the new E10e can easily pass through standard doors and in and out of lifts, making it ideal for indoor applications such as demolition and basement



construction. In addition, by coupling the E10e to an optional external Bobcat super-charger while operators are on normal work breaks, the E10e can operate for a full 8 hour working day.

At the last Bauma exhibition in 2016, Bobcat attracted great interest from visitors with the prototype of the E10e. Being one of the pioneers in this area with the E10e, Bobcat has helped to inspire the increasing focus on electric construction machines including excavators and, in the last few years, the industry has clearly started to move in this direction.

The reasons are obvious: not only to meet customers' preference to be environmentally friendly, but there is a clear and dedicated

business need for zero emission and low noise excavators for some specific applications. As well as indoor demolition and basement projects, these include city centre developments, night-time work and contracts in low noise areas such as hospitals, cemeteries, schools and so on. The electric solution solves many of the issues associated with these tasks.

The new E10e has the same ZTS profile and identical external dimensions as the standard E10/E10z machine and offers the same or better performance. For example, the E10e offers very low noise levels on site with an LpA of only 64 dBA vs 80 dBA for the standard E10.

Furthermore, all of the systems and components on the E10e have been optimized for work in harsh environments – the patented electrohydraulic powertrain system fully utilizes the electric motor capabilities and all electric powertrain components are fully sealed, meeting the IP67 rating and also designed to

meet construction equipment requirements for robustness.

The E10e has a state-of-the-art Lithium-Ion, maintenance-free battery pack with an advanced management system, designed to fit within the standard machine envelope to maintain the machine's ZTS profile.

Like the E10/E10z, the E10e is easy to transport. In addition to the access provided by its retractable undercarriage reducing its width to only 710 mm, the integrated foldable TOPS (Tip Over Protective Structure) facilitates passage through openings with low headroom, for work inside buildings and in basements.

Once the excavator is positioned and ready for work, the undercarriage on the E10e can be expanded to 1100 mm, for maximum stability in all working conditions. The E10e's minimal width enables excellent manoeuvrability in confined spaces, while the ZTS design is an additional advantage when working in tight areas.

Yanmar to showcase three new additions to range

Yanmar Construction Equipment Europe will exhibit its extensive product line-up; in total, 30 mini and midi excavators, wheel loaders, wheeled excavators and carriers, including three new additions to the range – the ViO82 (with ViPPS2i

hydraulics), ViO80-2PB (with articulated boom) and ViO23-6 (with zero-offset).

Perfectly blending technology and innovation, the zero tail swing ViO82 offers the efficiency and productivity of a large excavator with

the space-saving benefits of a much smaller model. The latest marque is fitted with all-new ViPPS2i hydraulics, which ensures smooth movement and minimal pressure loss, even during combined arm and boom operation.

Equipped with Yanmar's 55.6 HP direct-injection Common Rail 4TNV98C-WBV1 engine, which has been specifically designed to reduce emissions and minimise fuel consumption, the zero tail swing ViO80-2PB offers superb performance, efficiency and productivity. An updated design sees a single cylinder mounted at the top of the 2-piece articulated boom, which improves engine performance when lifting, moving and positioning loads.

Specifically designed to perform in tight site spaces, the 2.3-tonne ViO23-6 delivers class-leading digging forces. Equipped with a variable undercarriage and benefiting from an optimal weight distribution, the zero tail swing mini-excavator provides excellent stability and impressive lifting capacity.

Since acquiring Terex Compact Germany GmbH in 2016, Yanmar has upgraded almost a fifth of its mini-excavator models and integrated new wheel loader and excavator lines into its product range.



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The Kinshofer Group: 128 Innovations and Highlights at Bauma

'Kinshofer not only stands for quality but also for innovation,' says Thomas Friedrich, Global CEO of the Kinshofer Group, setting the tone for Bauma 2019.

With over 100 innovations on display at the 1,485 m² booth, Kinshofer's creative power and size is clearly evident. We caught up with Thomas earlier this month to get an insight into some of the Group's new products, core values and plans for future growth.

The Kinshofer Group has a new spot at Bauma. What's new on the stand?

Our engineers have developed such a wide array of new products across so many sectors, we decided not to show our whole range of attachment products as we did at Bauma 2016, instead focusing solely on showcasing innovations, redevelopments and new versions of attachments.

Will choosing to show only innovations limit your overall product offer at Bauma?

Quite the opposite - we have more than 3000 active products, way too many to talk about all of them. By focusing on the innovations made since the last Bauma, we're showing how hard we, and our subsidiary companies, have worked to make the last few years such a success.

Kinshofer makes such a big effort to attend Bauma. Is it worth the all the investment?

Every three years Bauma gives you the opportunity to present the business to an international audience. It is not so much about making orders, more about developing



The cylinderless C40HPX, for machines up to 40t, is an environmental friendly tool and ideal for water-based work and in environmentally sensitive areas.

new international partnerships. This year Kinshofer has so many new developments that we've completely concentrated on showing our innovative power. We aim to demonstrate that concerning attachments,

there is always room for fresh thinking. Together with our customers we constantly work on new ideas and products and are very proud to present the results at Bauma. Effectively, we're a global 'one-



The KHC25 is ideal for efficiently compacting surface ground.



The Smartflow Quick Coupler for truck mounted cranes creates a fast, simple, safe and fully-hydraulic 'attachment change' system.



stop supplier', offering a complete range of products for every part of the construction industry. From construction to landscaping, handling of materials and demolition, rail and utilities to the recycling and waste industry – throughout worldwide markets.

Is there one highlight from the 128 innovations on display at Bauma that stands out for you?

Highly interesting are the Tiltrotators - we're showing a completely new control system for NOX Tiltrotators at Bauma. Partial automation is a very important point which leads to significant benefits for our customers. We'll also be showing two completely new sizes within the NOX range. There will also be new HPX products with their proven benefits, for example, low maintenance and constant closing force. We step into new markets with two new HPX Demolition and Sorting Grabs for excavators between 27t and 37t operating weight.

Where are the new products designed and produced?

Together with our 14 strong design development department, the 'specials' department and the production department at our Waakirchen HQ, all acquired subsidiaries and their employees are involved in the development and production of our attachments. All together there are 34 design engineers within the Group who are constantly dedicated to innovations and redevelopments.

Everyone knows the Kinshofer name. But what makes up the Kinshofer Group, how big is it now?

This is currently 7 company brands, owned and managed by Kinshofer. The global headquarters is centred at the Bavarian town Waakirchen-Marienstein. The Kinshofer Group includes 17 companies in Germany, Austria, Czech Republic, Great Britain, France, the Netherlands, Sweden, Italy, Canada, USA, China, New Zealand and Australia - employing more than 730 staff. Besides the German speaking market, we also serve international markets – an area that grows with each acquisition.

The Kinshofer Group seems to be growing constantly. The latest acquisition was the Italian family-owned business Hammer. How does Hammer fit into Kinshofer Group?

When we acquire a company, we take great care to ensure that their products are not in conflict with products we already have. Acquiring the product ranges from Hammer means we are now able to play in the highest league concerning Hydraulic Breakers. We've effectively closed the last big gap in our product portfolio. The other attachments Hammer offers, like the demolition processors and grabs, add product options to our portfolio that sit outside the premium class.

They are perfect for customers whose main task may not be demolition as such, and therefore need a more cost-effective option.

Fast growth brings risks as well as opportunities. How does Kinshofer integrate all the different company cultures into to the Group?

Nothing is more important than quality. That rule also counts for acquisitions. We do not acquire businesses that are new to the market. Only companies and products which are proven, with a track record of delivering a first-class product, are suitable for consideration. Out of these companies we only choose highly profitable ones. We also have very high

expectations on the management of these companies. They have to be long standing, dedicated and differentiated through an impressive performance record. If these requirements are met, we do not change the company structure a great deal.

An additional gain of any acquisition is the new distribution channels which open up, providing new opportunities to push other Kinshofer Group products. We sell products from newly acquired companies under their own brand name, as well as under the Kinshofer brand, providing a dual benefit. In general, you could say that an acquisition is not purely about growth but also about the way a new company complements the Group and our overall product offering.



The DXS mobile Scrap Shear impresses with short operating cycles and a high closing force.

Tesab Expand Cone Crusher Range

Following up from the 1000TC launch in 2018, Tesab have again added to their Cone Crusher Range by launching the NEW 1150TC Cone Crusher. The 1150TC is ideal working in direct feed applications, designed to produce High Tonnages and High Quality Cubical Aggregates.

With an 1150mm wide cone crusher unit, the superior Tesab design also consists of thicker manganese for longer life and a specifically curved profile allowing unscreened feed – producing a superior shaped product and high tonnages well in excess of 250 TPH.

Boasting a large 8.7m³ Hopper with low feed in height of 3.2m, its 3.8m discharge height allows for increased stockpile capacity. It also offers the choice of concave chamber options (coarse, medium coarse or fine) making the 1150TC a highly robust and versatile machine.

The 1150TC is the latest in an ongoing number of new product releases for the Tesab Cone range with plans for even more developments to complete the range throughout 2019.



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Avant Tecno moves ahead with electric compact loaders

Finnish compact loader manufacturer Avant Tecno introduced their first battery powered loader, the Avant e5, at the bauma 2016. Since then the electric loader range has been completed by the first lithium-ion battery powered compact loader on the market, the Avant e6.

It features state-of-the-art battery technology which Avant has developed together with the Finnish car manufacturer Valmet Automotive who has extensive experience in design and manufacturing of battery systems for different types of vehicles.

Both Avant e5 and e6 have been in production for some time now and the demand for battery powered loaders is increasing steadily.



The battery powered loader is especially suitable for indoor use where ventilation is limited or non-existent. It can work at

full power without emissions, and the operator and workers are not exposed to the exhaust emissions which create health

risks. Further benefit of a battery driven machine is the extremely low noise level. This offers the possibility to work also in noise restricted areas or where minimum interference caused by worksite noise is a plus.

The e5 – like the e6 - has two electric motors: a 7,2 kW motor for driving the machine and a 2 kW motor for loader boom operation and auxiliary hydraulics.

An onboard charging unit is included in the machine, which enables charging from any 230V/16A power outlet. Avant e5 has 30 l/min auxiliary hydraulics flow, which allows working with various Avant attachments.

Operation time of the Avant e5 varies highly depending on the type of work it is performing. Charging time of the battery pack to 100 % battery capacity is approximately 5 hours; to 80 % battery capacity approx. 3 hours.



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Discovering the world of GIANT



TOBROCO-GIANT will present a wide range of new models and various trusted models. In total 13 of its latest models, from articulated loaders to telehandlers and skid steer loaders, along with a wide range of attachments will be displayed.

They include two complete new electric wheel loaders in the 2.2 tonnes class. The G2200E X-TRA with lower front can be seen in action at the demo area and the standard G2200E, with cabin, will be on show inside the hospitality area.

Both machines are standard equipped with a lithium-ion battery that has a minimum capacity of 12,3 kWh. With their compact design the electric wheel loaders are ideal for indoor applications or construction sites in urban areas.

Together with the new electric loaders TOBROCO-GIANT will showcase three

new articulated loaders. With the G4500 range last year TOBROCO-GIANT launched the first models that are prepared for the upcoming, EU Stage V, clean engine standards. The G1500 X-TRA, G2200 X-TRA and G3500 X-TRA are the next models in line to replace previous generation models in the range between 1,500 and 3,500 kg.

The loaders are ideal for narrow building sites because of their compactness, manoeuvrability and power as well as the fact that they are a solid investment because of their reliability and high productivity. Combined with a range of 100 different attachments ensures the possibility to work with one machine all year long. By choosing the right attachment it is possible to adjust a GIANT to working conditions for ground care, demolition, forestry or winter service.

First public demonstration of Liebherr's new LRS Log Handler

For the first time, a machine of Liebherr's maritime division will be presented at Bauma. The Liebherr LRS Log Handler already convinces selected test customers with its remarkable performance.

The Log Handler showpiece will receive a prominent position on the so-called Bauma Boulevard next to Gate 15. The agile timber-handling machine marks the first appearance of a Liebherr maritime division machine at Bauma so far.

The main field of application of a log handler is the fast, manoeuvrable and, in particular, mobile transport of logs within industrial plant premises and timber handling terminals.

Especially in wood-processing companies such as sawmills, paper or pulp mills, but also for transshipment in ports and inland ports, the Liebherr Log Handler is considered to be a robust, reliable and powerful machine.

At this stage, several test devices have already demonstrated their capabilities to selected customers. The LRS LH was particularly convincing with its

impressive grapple capacity of 8.2 m² and an unprecedented load curve. The working area of the machine is characterised by a stacking height and an outreach of over 8 metres each.

The new Liebherr Log Handler combines all the advantages of

the well-known LRS series for container handling, with a wide range of modifications specially designed for timber handling.

In addition, the Log Handler - like all Liebherr-Reachstackers - is equipped with a stepless, hydrostatic drive. It is

characterised above all by reduced fuel consumption and excellent driving performance.

Other new features for the Log Handler include a log pusher specially designed for timber handling and a massive protective structure for the driver's cab.



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**FROM THE DESK OF:
GORDON BEST, REGIONAL DIRECTOR, MPANI**



Gordon Best, MPANI

COMPREHENSIVE REVIEW OF AGGREGATES LEVY TO BE WELCOMED

Following the news that the British Aggregates Association (BAA) had dropped all Aggregates Levy litigation both in Europe and the High Court in London the Government has announced it intends to carry out a comprehensive review of the Levy.

The Aggregates Levy has been largely unchanged since its introduction in 2002. The government will now conduct this review of the levy over the next year, working closely with the devolved Governments throughout.

The review will be comprehensive, looking at the latest evidence about the objectives of the levy, its effectiveness in meeting that objective, and the design of the levy, including the impact of devolution. The Terms of Reference for the review have been published and an expert working group will be established to inform it. The review will aim to conclude by the end of 2019.

An expert working group, comprising of Industry Representatives and other Stakeholders, has been established to work with Government. Treasury has already published a Terms of Reference and set dates for meetings of the Expert Panel later this year.

I am delighted that MPANI will be an important participant on the expert panel. Treasury and HMRC officials will be visiting Northern Ireland in May to visit a number of our Members' operations to hear about the impact of the Aggregates Levy first hand.

The BAA withdrawal of its legal action against the Levy is not only good news for our quarrying sector but also for NI and the local construction sector as it removes the threat of retrospective payment should the BAA challenge against the NI Aggregates Levy Credit Scheme (ALCS) been successful. It also gives us an opportunity to change the levy to suit Northern Ireland's specific needs and ensure a level playing field within our sector by clamping down on tax evaders and unauthorised extraction.

MPANI now look forward to playing a full and valuable roll on the expert panel. We have set up a small working group ourselves and have already met with Department of Finance Officials to discuss how we represent the interests of NI PLC in this review.

Health & Safety

On the health and safety front we are working with HSENI on plans to hold a series of workshops later this year focusing on Dust, vehicle maintenance and mental

health. As many of you will be aware HSENI, supported by MPANI, are working with the Industry on promoting and implementing a Managing dust strategy.

At our recent H&S Committee meeting Ken Logan reported that HSENI were pleased with the efforts of the industry in working with them on implementing the Dust Strategy. A number of companies have submitted action plans and visits by HSENI are continuing. Ken added that a number of workshops will be held later this year that will focus on the managing dust and where best practice will be shared.

The MPA LOTOTO Isolation of Energy A6 handbook was released in June with the sole intention of being used as a prompt for employees in the operational frontline. Members of the Strategic Forum for H&S support the distribution and use of the guide. Work has started on distribution which could see in excess of 20k copies in use. MPA members will be contacted to ensure they play their part. Related work on entrapment training and auditing is being undertaken by IOQ/MPQC and QNJAC. This is seen as being complementary, with minimal overlap.

Distribution of the Driver's Handbook continues, with over 60k copies now distributed, but with only 39 Producer Members procuring, there is still room for improvement. MPANI have promoted the handbook to our local Members. The App complements the Driver's Handbook and the MPA suite of apps. The Driver's App is available from iTunes and the Google Play Store and members are strongly encouraged to promote these to their workforce.

Stay Safe

The 2019 "Stay Safe" campaign has commenced with the promotion of 'Managing Safety at Inland Waters'. (click link <https://www.agg-net.com/news/managing-safety-at-inland-waters>). This RoSPA-produced publication from the Inland Water Group of the National Water Safety Forum, of which MPA is a part, has been a collaborative exercise involving a wide range of stakeholders who are directly involved with the management of public safety on inland waters. We will promote the document amongst our members and beyond as it will help deliver the objectives of the National Drowning Prevention Strategy. MPANI Members are encouraged to revisit their own strategies for the year.

Planned local activity for this year will continue to follow the MPA strategy. MPANI will again team up with HSENI in our joint letter to all Headmasters of local schools. We will partner NI Water in a joint press statement warning of the dangers of swimming in cold quarry lakes and reservoirs. MPA will support and leverage off the drowning prevention campaigns of other major safety organisations such as RNLI, RoSPA and RLSS.

Roads Funding

Two important reports have been published recently in relation to the level of funding allocated to the structural maintenance of our local road network. Jim Barton, a UK highway expert, was commissioned by the Department to carry out a review of the optimum level of funding required to properly maintain the Northern Ireland road network.

The report repeats many of the conclusions of the 2010 Snaith Report on Structural Maintenance funding and also much of what our Association has been asking for over the years. It highlights that if the Executive were to move to longer term committed budgets as is the case with Highways England, it is expected that much greater efficiencies could be achieved. Based on evidence from elsewhere efficiency savings of around 20% could be expected with a 5 year committed budget. Mr Barton concludes by suggesting that the figure of £143m is a realistic estimate of the annual requirement for structural maintenance funding.

On the 26th March the Northern Ireland Audit Office published its report into value for money aspects of the funding of structural maintenance of the road network. The report acknowledges the fact that the road network is of significant strategic, economic and social importance. The full report can be viewed and downloaded at <https://www.niauditoffice.gov.uk/publications/structural-maintenance-road-network>

Slow Down!

The Department for Infrastructure (DFI) and Mineral Products Association (MPANI) are appealing to all road users to respect the safety of road workers by slowing down at road works and abiding by all temporary traffic signs and lights.... you can catch up with the interviews on the Dfi website at <https://www.infrastructure-ni.gov.uk/news/respect-our-road-workers-they-are-working-improve-your-journey>



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HSS HIRE & LAOIS HIRE GROUP INTRODUCE NEW & IMPROVED STOCK

The HSS Hire & Laois Hire Group have recently unveiled an extensive range of new equipment following significant investment in recent months.

Added to the company's already impressive fleet have been new top of the range Kubota diggers extending from 0.8t to 8t, purchased from FJS plant in Co. Kildare.

New dumpers and rockbreakers have also been acquired, with nationwide branches now boasting extra supplies of a large variety of kit ranging from plant and powered access to generators and Hilti tools.

Comments Managing Director Michael Killeen: "We aim to be a strong and reliable presence in the hire industry and in order to do this we have expanded rapidly throughout 2018 and will continue to invest heavily in the best of equipment and tools to meet



the current demand in 2019. As well as this, we will continue to put emphasis on Health & Safety as one of our prime objectives."

The company has certainly come a long way since it was established more than

two decades ago. Now the leading plant and tool hire company in Ireland, it offers a comprehensive range of services from plant machinery and tools to highly specialised equipment, adopting a proactive and progressive approach to its business activities.

"We operate responsibly and transparently and place great emphasis on developing strong, long term partnerships with our customers," says Michael. "We are service led, working with our customers to understand their unique circumstances and developing service packages that deliver cost savings, operational efficiencies and performance improvements."

It is that ongoing commitment to provide customers with the best of the best, in terms of value for money, safety, availability





and support, that has contributed in no small measure to the company's success. "Our customers range from tradespersons and consumers to the most successful and well known organisations working in the UK and Ireland construction, facilities management, energy, infrastructure, retail, community, transport and events sectors," explains Michael.

And adds Dan Doyle, Regional Manager for HSS Hire in Southern Ireland: "We have the best, most experienced team in the area with a really high level of service – we can supply our customers throughout Ireland with whatever they need to get the job done. We also have a dedicated sales team and can sell anything from our expansive hire range." Operating an integrated logistics division that moves stock around the country effectively and efficiently 24 hours a day,

the HSS Hire & Laois Hire Group have worked on some of the highest profile projects in Ireland including the M50, M7 and M8 motorways, N9, Dublin Airport Terminal 2, Monasterevin Bypass and Intel. There's no doubt, that with a product line of over 2,500 products, the HSS Hire & Laois Hire Group can be trusted to answer the needs of their customers in a quick, easy and affordable way.



A LOOK BACK AT THE EXECUTIVE HIRE SHOW...

The annual Executive Hire Show, held at Coventry's Ricoh Stadium in February, always provides a barometer for the plant and tool hire business, a way to gauge business confidence and potential investment for the coming year.

Despite a downturn in construction across many sectors, there is still plenty of work out there and, if the numbers attending the show are a true representation of interest, there are plenty of companies looking for new equipment.

There is no shortage of manufacturers keen to meet their needs either, with a host of new and improved models on offer at the show.

These are some of the machines that caught Plant & Civil Engineer's eye at the 2019 event.



SUNWARD

There was a new player on the mini excavator market at the show, in the shape of Chinese manufacturer Sunward Equipment Group. Imported by UK and Ireland distributor J-Mac, the firm will initially bring in machines in the 1-10 tonne sector.

However, Sunward makes excavators from 1-90 tonnes, along with piling equipment, wheeled loaders and skid steers and J-Mac will expand the offer as sales grow.

The company currently has 10 dealers signed up, but is looking for additional outlets, working towards a network of around 30 partners across the UK and Ireland. J-Mac intends to keep a good supply of stock and the Sunward machines are said to be competitively priced, with a two-year/3,000-hour warranty included.



PARKWAY PLANT SALES

Compact tracked dumpers were certainly not in short supply at this year's event, with Parkway Plant Sales exhibiting a number of models from Italian firm C&F.

Launched at the Bauma exhibition in 2016, the company now has six models on offer, with capacities of 450kg to 1,500kg. Larger machines, up to 2.5-tonnes capacity, are promised over the coming years.

The main feature of the C&F range is a single-joystick control system on all models above the 800kg T85. The mono lever is said to make the dumper easier to operate and an ideal choice for rental businesses.



TAKEUCHI

Takeuchi had a range of mini and midi excavators on show, including the popular TB225 model that was launched last year.

With the power of a 3.0-tonne machine and an operating weight that allows the machine to be moved on a trailer behind a pick-up or van, Takeuchi has sold more than 200 of the TB225 model excavators since last April.

The company will add a number of new machines to its line-up at this year's Bauma exhibition, including the TB235-2 and the TB250-2, both boasting EU Stage V diesel engines.

There will also be new versions of the TB260 and TB290, both using diesel particulate filters (DPF) to meet the new emissions standard, plus Takeuchi will launch a full-electric mini excavator as a production model at the show.

REVIEW**JCB**

JCB may have pulled out of this year's Bauma exhibition in Munich, but the plant giant had one of the largest stands at the Executive Hire Show, with a number of new models on offer.

The biggest attraction was a full electric mini excavator, seen in prototype form last year. The 19C-1E is based on JCB's 1.9-tonne 19C-1 conventional tailswing model. However, in place of a diesel engine, the machine is equipped with an electric motor to power the proven Bosch Rexroth hydraulics.

The mini excavator has three operating modes, spinning the electric motor at 1,200rpm in low setting, at 1,600rpm in general mode and at 1,800rpm in the highest setting. There is also a Kick-Up mode for rapid tracking, with the motor spinning at 2,300rpm. The motor is powered by a choice of three or four lithium-ion batteries, delivering 15kWh or 20kWh of energy storage. That's enough for a full working shift in most situations.

Contractors will be able to charge the mini using 110V or 230V supplies, taking 12 hours and eight hours respectively. A fast-charge option will also be offered. With the same hydraulic system, boom and dipper as the conventional 1.9-tonne machine, the 19C-1E should deliver similar performance to the diesel excavator, but with zero tailpipe emissions.

The machine is also considerably quieter to operate, making it ideal for



late night urban use, indoor operation and even tunnelling duties.

The company had a new tandem roller on the stand too, the CT260 being available in both 1.0m and 1.2m drum widths. Designed for asphalt and base layer compaction, the CT260 has a revised hourglass design, that makes it easy to see the edges of the drums from the driver's station. A single lever controls all operations, with switchable vibration, for the front, rear or both drums and JCB's Automatic Vibration Control as standard.

The machine is powered by an EU Stage V certified engine that uses

mechanical injection and no diesel particulate filter. A full-width tilting engine canopy makes it easy to access service points and the central articulation joint is now maintenance-free.

JCB also had a range of site dumpers on display, with the latest 1-tonne model now available in Dash 2 format. The 1T-2 incorporates JCB's Drive Inhibit System, that ensures that seatbelts are fixed before allowing engine to start. A parking brake button is also standard. Tipping the scales at 1,515kg, the 1T-2 has a payload of 1.0-tonne and comes with a two-year manufacturer warranty.

**TUFFTRUK**

Derbyshire-based Tufftruk is seeing growing demand for an electric version of its Truxta compact dumper.

Available with a choice of petrol or diesel engines as well, the company reports that 90% of sales are currently battery powered. The Truxta EV uses two deep-cycle batteries to provide a full day's work, with overnight charging available from a domestic supply.

The compact articulated machine can carry 300kg or 450kg depending on the skip, with the offset wheels simply turned around to provide additional stability for the heavier model.



ALLTRAD BELLE



Alltrad Belle's impressive stand in the main hall held plenty of equipment, including a new BWX 15/250 bowser joining its pressure washer range.

The BWX bowser comes with a 1,125-litre tank and an 8.9hp Yanmar diesel engine. Built for road and site use, the bowser can be supplied with a 40mm towing eye or a 50mm ball coupling.

The washer lance holder is integrated into the chassis with hose storage hooks and the tank and ump have drain taps to prevent freezing in colder weather. The trailer is also equipped with fork lift pockets for movement on site.

Also new to the line-up is the RPX 35/50DE. Joining the smaller RPX 35/45DE, the compaction plate boasts low hand-arm vibration and an angle baseplate, for easy gradeability. The 500mm wide baseplate delivers a static force of 1,350kg/m² and the machine weighs in at 194kg.



SLANETRAC ENGINEERING

Mini tracked dumper provider Slanetrac Engineering has developed a 700mm wide version of its popular pedestrian dumper, to make it easier to access work areas through a domestic doorway.

The company can still supply a 750mm wide version of the HT1000 Compact dumper, but expects demand to grow for the slim model. The dumper retains a 900kg payload.

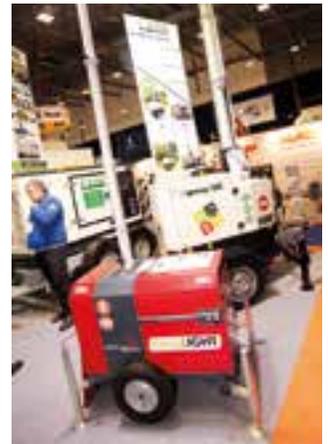


BGG UK

BGG UK had two new lighting towers on offer at the show. The Bruno Easy Light-HT is a full electric unit capable of providing up to 20 hours of lighting from a six-hour charge.

The tower uses a 48V DC power system to maximise efficiency, delivering a 430W total supply. The 48V electrical system is also being used by the firm's Bruno LiON Light-RT. This hybrid lighting tower has a compact Kohler engine running at just 1,500rpm.

The 48V alternator provides stable output and is said to be safer on site, as there is only a 48V supply to the light units, rather than 240V AC. On battery power alone, the tower can supply up to 10 hours of continuous light with a 2.5-hour charge time.



GEORIPPER



Contractors looking for a lightweight, easy solution to smaller trenching tasks need look no further than the GeoRipper.

Distributed by Four Ashes Machinery, the GeoRipper uses a Makita disc cutter drive unit to power a trenching chain.

This hand-held ripper can trench to a depth of up to 700mm with a standard chain width of 38mm.

Available in three sizes, the GeoRipper is powered by a choice of two or four-stroke petrol engine.

For those not keen to hold the machine while trenching, there is an EZ Kart option compatible with all models. This easy to assembly wheel-set provides consistent digging depth for longer runs.



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KDM INVESTS IN BESPOKE FACILITIES FOR CABIN FLEET

Cookstown based KDM Hire Ltd have recently moved their accommodation and storage (K Cabin) division to a new 4-acre purpose-built facility at Kilcronagh Business Park on the outskirts of Cookstown, close to their headquarters.

This project was undertaken to enable the growth of KDM's ever-expanding fleet of site welfare and accommodation products and this state-of-the-art site provides the company the capability to take this business to a new level of excellence and efficiency.

The unique depot which opened in the summer provides logistics, storage and maintenance facilities for over 2000 cabin and toilet products alongside engineering, manufacturing, repair, shot blasting and refurbishment activities.

The new facility boasts an impressive 16m long commercial spray booth designed for the re-painting of both cabin and general hire equipment while fully equipped joinery and engineering departments can undertake the manufacture and modification of cabins, cabin furniture and accessories. Other facilities include, undercover wash and inspection areas for cabins and toilets, warehousing for cabin furniture and a standalone internal shot blast facility.

MD Michael Donnelly commented: "The upkeep and maintenance of the cabins and hire equipment is paramount and considerable effort is taken to ensure our equipment is provided in the highest quality condition. Equipment can now be repaired, remanufactured and repainted to exacting standards by the experienced team of engineers at this state-of-the-art facility."

This recent relocation has in turn freed up much needed space at KDM's head office depot allowing significant re-development to the 6-acre site for further improvement and expansion. Considerable investment



is currently ongoing to enhance training facilities, workshops, wash bays and an upgrade to the spares department which is now capable of storing over 15,000 different spare parts for their hire fleet.

As a leading provider of quality portable and temporary buildings for hire, K Cabin offer one of the largest and most comprehensive ranges of accommodation and storage solutions available. Products are suitable for variety uses including sites, events or industrial purposes and include office facilities, canteens and dry rooms, site welfare units, modular buildings, storage containers and much more.

KDM are committed to maintaining the highest industry standards and the investment in this facility is evidence of their dedication to staff and customers alike.



KDM Bring Home the Passionate Hire Award 2019

The high quality of Cookstown-based KDM Hire has been recognised, with the company having been announced as a winner in the 2019 Executive Hire Show Passionate Hirer Awards, which took place at the Ricoh Arena in Coventry.

The company was nominated in the Outstanding Multi-Depot Hire Company category, from no fewer than 750 outlets throughout the UK and Ireland that members of the Show team visited in the lead-up to the annual exhibition for tool and equipment hire professionals, held on 6 and 7 February.

Following 'mystery shopper' visits and calls to their depots, Finalists were scrutinised under a broad range of criteria including: presentation and functionality of premises; staff enthusiasm and competence; efficiency in handling enquiries and orders; quality of products and delivery vehicles; and innovation in offering a wide range of



KDM Hire Team winners in the 2019 Executive Hire Show Passionate Hirer Awards.

equipment and exploring new technological opportunities.

The quality of the company's printed promotional materials and website was also assessed, along with its use of social

media and supporting local community initiatives.

The judges commented, "KDM Hire displays a level of professionalism and commitment throughout its entire business

rarely seen in the hire industry. The investment in not only equipment, but also the training of each employee is outstanding. As well as offering an extremely comprehensive fleet, it holds regular board meetings and Health & Safety audits, giving a clear sense of identity and purpose. It plays a role in its local community supporting sports teams and charitable causes."

Having been successful in the Passionate Hirer Awards ten years ago, the business has kept moving forward, with the Awards judges adding that "this company is extremely pro-active in everything it does. With a new dedicated site for its K-Cabin welfare and site accommodation business, there are certainly exciting times ahead for the team at KDM Hire."

KDM Hire was the Winner of the Passionate Hirer Award back in 2009, and the Runner-Up in the Show's 2016 10/10 Anniversary Awards celebrating the tenth exhibition and recognising the outstanding companies from the previous winners.

KDM Appoints Rally Star as Brand Ambassador

One of the UK and Ireland's leading equipment rental specialists has appointed a top world rally driver as its brand ambassador for 2019. KDM Hire has partnered with Dungannon-born rally star Kris Meeke in his quest to challenge for the FIA World Rally Championship (WRC) title.

The Cookstown-based company is well-known for its market-leading equipment rental services but this support for 39-year-old Meeke will see its brand displayed on his racesuit and cap and promoted to fans in over 120 countries.



Kris Meeke

KDM Hire has supported Meeke throughout his amateur and professional career, from his very first rally event in 2001, through Junior WRC and Intercontinental Rally Challenge ranks and now into the top level of WRC.

This year Meeke has swapped teams and has joined the Toyota Gazoo Racing World Rally Team for the first time – providing him with his best shot ever at the world rally title. Meeke's flamboyant driving style and full-commitment approach has gained him a strong world-wide fan-base and that popularity will help promote the KDM brand during 2019.

The WRC is broadcast to 850 million TV viewers with every stage shown live – there are also 4 million avid fans who attend the 14-event series across the globe.

Keith McIvor, KDM Hire director, said: "I'm delighted to have Kris as the brand ambassador for KDM and support his campaign at the top-level of world rallying. His energy and passion for the sport relates to our desire to provide



customers with the best possible products and services. Our partnership with Kris will see KDM gain exposure on a larger stage and that fits with our growth strategy to expand into new markets."

Kris Meeke said: "I'm really grateful to Keith and KDM Hire for their continued support, they've been with me all the way throughout my career. I have a great opportunity with Toyota, the Yaris looked awesome throughout 2018 and I take confidence from the fact the car seems competitive on all surfaces and that the team took the Manufacturers' title. I simply want to enjoy my driving again, if I can recapture that feeling, then there's no reason why I can't still achieve my personal targets."

CITB NI award top GCSE Construction Success

CITB NI recognised those who got top accolades in GCSE Construction and the Built Environment in 2018 at the Annual Chartered Institute of Building Awards held at Nutts Corner Training Centre.

The GCSE in Construction and the Built Environment has been developed by CCEA to help students develop knowledge and understanding of the construction industry and have opportunities to apply their developing knowledge and

skills in relevant, enjoyable and work-related contexts.

First place was awarded Craig Francey, Dunclug College, Ballymena, second place, Rebecca Gilbert Rainey, Endowed School, Magherafelt

and third place Nathan Nelson, Ballymena Academy.

The students were invited to the annual Chartered Institute of Building (CIOB) Awards hosted by CITB NI which awarded those professionals who gained CIOB status throughout the year and included a presentation by Heron Bros which focused on the exceptional work in completing the £27m Foyle College, which was awarded the overall winner in the Construction Excellence Awards 2018.

On presenting the awards, Barry Neilson, Chief Executive, CITB NI, said, "Congratulations to all the students who excelled in GCSE in Construction and the Built Environment. Construction is a rewarding industry with a variety of opportunities on offer from project management to onsite roles with prospects for career enhancement and good earning potential.

"The popularity of the subject is growing and over 6000 pupils have undertaken the exam over the past decade. We provide help and guidance on the GCSE Construction topic via our textbook and this year we launched our initiative to provide 25 complimentary books to each school providing GCSE in Construction each year for the next 4 years.

"We hope that by studying and excelling at this level students may possibly consider a career in a dynamic industry with lots of opportunities to choose from."



Tom Heaney tutor with Rebecca Gilbert Rainey, Endowed School Magherafelt, Craig Francey, Dunclug College Ballymena and Nathan Nelson, Ballymena Academy, with Barry Neilson, CITB NI

Worthy winners of CITB NI & Radius Housing Apprenticeship Endeavour Award

Two local young construction workers have been awarded the very first Apprenticeship Endeavour Award in partnership with CITB NI and Radius Housing at the forthcoming Skillbuild NI competition in March.

Robert Mythen and Gerard McGeown were both nominated by their respective colleges Southern Regional College and Belfast Metropolitan College as they have overcome significant personal adversities which allowed them to continue their construction training, gain qualifications and employment within the industry.

CITB NI and Radius Housing have awarded each winner £500 in acknowledgement of their dedication to training in difficult circumstances.

Robert, who is profoundly deaf, experienced challenges in training, education and gaining employment. He was determined that his lack of hearing was not going to stand in

his way and he overcame the challenges and immersed himself in learning his trade.

Robert found an employer who supported him and made the necessary adaptations within the workplace to allow him to progress and is now a fully qualified painter and decorator with ambitions to start his own business.

Gerard was diagnosed with severe dyslexia which provided barriers within the education network to gain the relevant qualifications needed to achieve NVQ Level 3. Gerard worked with specialist tutors and explored non-traditional learning methods to gain his qualifications. He is now a fully qualified joiner and has retained employment with his employer who supported him with his NVQ.

Barry Neilson, Chief Executive, CITB NI said, "Congratulations to both Robert and Gerard, who have both demonstrated that against all odds they have not given up despite

personal difficulties and have achieved their construction qualifications and gained employment. Both are worthy winners of the very first Apprenticeship Endeavour Award and have shown that personal resilience will help you succeed. Their stories will provide inspiration to others within the construction training network who are experiencing personal difficulties."

John McLean, Chief Executive, Radius Housing said, "As a leading social enterprise involved in housing care and support to over 33,000 homes across Northern Ireland we are delighted to be partnering with CITB NI in this new award. Congratulations to both Robert and Gerard who are indeed worthy winners. Many construction apprentices have worked on our social housing developments and we understand the needs, demands and challenges faced within the sector."

Miller's Powerlatch Tilt Hitch - Attachment of Choice for Public Transport Project

Sydney Metro is Australia's biggest public transport project and this multi-billion dollar investment in Australia is benefiting from the flexibility and ease of use of the state-of-the-art PowerLatch Tilt hitch from earthmoving attachments specialist, Miller UK.

The PowerLatch Tilt hitch is the attachment of choice for East to West Plant Services in Australia, who have been involved in this strategic construction project.

East to West are Australia's fastest growing civil construction and formwork contractor servicing the Western Australia and New South Wales civil, private and construction sectors.

The company was formed by Richard McNamara and Shane Finnerty who have a combined 40 years' experience in the construction and earthmoving industry.

This new standalone railway will deliver 31 metro stations and more than 66 kilometres of new metro rail, revolutionising the way Australia's biggest city travels.

East to West Plant Services has supplied supervision for utilities in the Barangaroo and Blues Point Site as well as supplying, skilled operators, formworkers and planthire.

"When this project came up, I knew that the PowerLatch Tilt would be ideal for performing multi-purpose operations as it's so precise and versatile. The fact that it's so compact means that the operators can get the machine into narrow spaces with ease, something which has saved them a lot of time during this project," said Richard. "In Europe, Miller is a very well-known and trusted brand, and myself coming from Ireland and using the product before it was an easy choice to make," he added.

Norm Walsh, Sales and Support Manager from Miller Australia commented, "Tilt hitches, like the Miller PowerLatch hitch allows current attachments, whether that's a bucket, breaker or grapple, to be tilted up to 90 degrees either way (a total of 180 degrees), giving operators much greater power and versatility on site than ever

before without having to invest in costly new attachments."

He also added, "Miller have managed to deliver the lightest tilt frame in the marketplace with the lowest profile to offer optimised breakout force whilst increasing strength in traditionally highly stressed areas. Furthermore, the top bolted attachment method removes a notoriously troublesome welded connection seen in a number of other tilt hitches available on the market, which makes it the ideal choice for East to West Plant Services."



CITB NI

As an Industry Training Board and Sector Skills Council our role is to encourage the adequate training of those employed or intending to be employed in the construction industry and to improve the skills and productivity of the industry in Northern Ireland.

We provide advice, courses and grants for training to help construction companies improve their skills to increase their competitive edge.

To find out more contact us

028 90825466

www.citbni.org.uk



www.citbni.org.uk





Close Brothers
Commercial Finance

Adrian Madden
Head of Asset Finance sales, Ireland

Close Brothers Financial Services Can Help With Your Expansion Plans

With construction activity in Ireland reaching a new high at the beginning of the year, many firms have been encouraged by signs of continuing growth. But, with uncertainty around Brexit lingering, how can businesses find a sustainable way to plan for expansion? Adrian Madden, Head of Sales at Close Brothers Commercial Finance, explains how asset finance can help.

The most common reason SMEs give for not applying for finance is that they are keen to avoid additional debt. At first, this seems like a sensible stance, however, this approach can often sit at odds with wider business aims.

According to our most recent research, 55% of businesses in Northern Ireland say achieving growth is their main priority over the next year. To achieve this, many companies will need funding. Additional cash flow is key to moving beyond day-to-day trading and harnessing new opportunities. It is therefore important not to discount all forms of finance, but to find the most suitable type of funding.

For construction firms, refinancing can often be an option. This type of loan allows you to release capital from existing assets which can be reinvested to acquire new equipment or simply to improve cash flow.

The premise is simple. A financier lends you cash upfront based on the value of your asset. Then, leases it back to you over a fixed term, and by the end of the agreed period, you own it outright again.

Unlike a traditional loan, the amount is secured against the asset. This reassures both SMEs and lenders alike and can be invaluable for businesses who are keen to avoid borrowing beyond their means.

Close Brothers' finance solutions are designed to give businesses a way to unlock working capital tied up in existing assets without limiting access to equipment or interrupting workflow. We are a leading provider of asset finance in Ireland and will work to ensure we can provide funding that meets your requirements.

Whether you need access to additional capital, or you want to change an existing agreement, our plans can help you. Find out more today: www.closecommercialfinance.ie

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Talk to us today **+353 (0) 1 9609 037**

Visit www.closecommercialfinance.ie

Quarry & Recycling Services Engineering Continues to Expand

Quarry & Recycling Services Engineering is currently experiencing a big upturn as the economy continues to improve on both sides of the Irish border.

Headed up by founder Derek Maher, the company supplies, maintains and repairs a wide range of plant and equipment used in the quarrying and recycling sectors.

The company was established about five years ago with Derek, who served his time as a fitter, operating just one service van on the road; today it has a fleet of five fully equipped mobile workshops manned by a team of highly experienced technicians.

As the quarry sector grows ever busier, so does Derek and his 16-strong workforce, servicing and maintaining vital plant and machinery for many of the country's leading quarrying and concrete companies.

A WAM distributor and a specialist in Teka mixer repairs, it also manufactures custom made parts and accessories for an ever expanding customer base.

The company's main manufacturing and repair workshop is located at Tullamore in County Offaly, with another depot based at Duleek in County Meath.

"We have built up a solid portfolio of clients over the past number



of years from whom we get a lot of repeat work," says Derek who adopts a hands-on approach to the business. "We are also gaining new business as the economy continues to improve."

Its emergency call-out service is also constantly in demand. "We appreciate operators cannot afford any unnecessary downtime, so our aim is to respond to call-outs in the fastest possible manner to get them up and running again."

The company's service teams also regularly carry out maintenance work after normal business hours when plant and machinery is not in use, which means customers are not losing out on valuable production time.

New Fleet Management Solutions from Genie

Developed in direct response to rental customers' unique business needs, the new Genie Lift Connect programme is a telematics offering focused on actionable information, flexibility and transparency.

No matter what size of aerial equipment fleet - from 10 to 10,000 machines - equipment management is something that rental outlets do every day.

From knowing how equipment is performing or how often a piece is being utilised to where each unit is or when it is ready for maintenance, machine data can provide a lot of insight to rental businesses.

Genie Lift Connect solutions will be available in North America in early 2019, in EMEAR in mid-2019 and available globally in 2019-2020.

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ARE YOU THE BEST? PROVE IT!

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CLOSING DATE for Entries 28th SEPTEMBER

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PLANT, CONSTRUCTION & QUARRY
AWARDS 2019

GALA DINNER
THURS 21st NOV 2019
CROWNE PLAZA BELFAST

Entries and nominations are invited from individuals or companies connected with the plant, construction & quarry industry, to enter in any or all of the categories listed

IN ASSOCIATION WITH

CIHT: Chartered Institute of Highways & Transportation • CITB NI: Construction Industry Training Board
QPANI: Quarry Products Association Northern Ireland • IMQS: Irish Mining & Quarrying Society • HAE: Hire Association Europe
IOQ: Institute of Quarrying • CPA: Construction Plant-Hire Association

PLANT & CIVIL engineer

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Plant Hire Company of the Year

This Award will be presented to the organisation which offers an extensive portfolio of high quality products, flexible hire options, and respected customer service policies. Entrants should outline how their company provides a level of plant hire expertise that puts them ahead of the competition, eg: product knowledge, distribution network, prompt delivery and collection, equipment options, cost effective hiring and any unique services available. Customer testimonies may also be submitted.

PLANT, CONSTRUCTION & QUARRY AWARDS 2019



sponsor to be confirmed



Innovation of the Year

This category is open to all civil engineering, construction and quarrying companies who have introduced, created or invested within their operations innovative solutions that make their activities more efficient, more profitable and more successful. The innovation can range from the latest equipment and facilities to cutting edge technology or environmental solutions.

Leica
Geosystems

innovate mi 2018

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Excellence in Customer Service

This category is open to all companies in the construction, quarrying, and plant & machinery sectors, including dealers, equipment suppliers, service and maintenance agents and other associated businesses. Entrants need to demonstrate a high level of customer care and support. Customer testimonies will be accepted.

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Construction Company of the Year

This Award will be presented to the company or organisation who has demonstrated over the past year involvement with major or specialist projects throughout the island of Ireland, Great Britain or worldwide which illustrate high levels of skill within project management, innovation, specialist projects.

Customer testimonies may also be submitted.

sponsor to be confirmed



Construction Fleet of the Year

This award will be presented to the company operating an outstanding fleet of vehicles ranging from tippers to readymix trucks. Judging criteria will be based on appearance, quality, maintenance programmes, driver or operator efficiency, skill and professionalism. The category is open to all those involved in the construction, quarrying and associated sectors.

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Special Recognition Award

This award, for which nominations are now open, will be presented to the individual who has been outstanding in his or her service to the industry, whose personal achievements, accomplishments or initiatives in the construction, quarrying or plant & machinery sectors deserve recognition.

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Quarry of the Year

This category is open to individual working quarries, whether hardrock, sand or gravel, where the operator demonstrates safe working practices, the highest levels of pollution control, sustainability, biodiversity, and operational efficiency, while offering a strong portfolio of products and services. Customer testimonies can be submitted.

SO HOW DO YOU ENTER?

IT'S NOT AS COMPLICATED AS YOU MIGHT THINK. IN FACT, OUR ADVICE AS ALWAYS IS: KEEP IT SIMPLE

Here are some points to consider:

The Award categories require short entries stating why you believe your company should win.

Your entry will not be judged on presentation, but make sure it is easy for the judges to readily locate the necessary information.

Any factual information, such as operational, service, financial or personal details, to back up any claims expressed in your entry should be clearly and concisely laid out.

You don't have to be a big concern to enter.

You could be an individual, a company with less than

10 employees or a large national/international outfit.

You will be judged on merit, not size.

The judges are looking for excellence, outstanding qualities or contributions, unrivalled service and innovation, individuals and organisations who have gone the extra mile – so demonstrate all of that in your entry; make it stand out from the rest!

If you have faced any difficulties or obstacles in achieving your goals, make sure you note it on your entry.

If you need to provide any additional information to support your entry, keep it as brief and to the point as possible. Feel free to send customer testimonies to support your entries.

ALL ENTRIES/NOMINATIONS SHOULD BE RECEIVED BY 28th September 2019

THE CATEGORIES ARE AS FOLLOWS: Tick the categories you wish to enter



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Plant Manager of the Year

This category is open to individuals who have delivered outstanding results in terms of efficiency, safety and health when dealing with all aspects of heavy (plant machinery) used in the construction industry. They will have worked on projects throughout Ireland, overseeing the important business of buying, hiring or transporting (often huge) pieces of equipment according to strict rules and regulations, and will be involved in supervising & motivating staff on a daily basis.



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Construction Project of the Year

This award is for the company, team or individual who has demonstrated exceptional skills, expertise, design and innovation on a construction project, be it a building, a road, a utility facility or any other similar undertaking throughout the island of Ireland, Great Britain or worldwide.



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Student of the Year

This category is open to students working in a civil engineering environment or other associated activities within the construction sector. The winning student must demonstrate a high degree of dedication and commitment to the industry, outlining why he or she chose this particular career path and detailing their current and future goals. Employer references can be included in this entry.



Groundforce
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Civil Engineering Company of the Year

This Award will be presented to the organisation who can report on successful involvement within a wide variety of civil engineering projects including planning, construction and maintenance of fixed structures or public works throughout the island of Ireland, Great Britain, or worldwide. The information provided should demonstrate high levels of skill within project management, procurement, innovation and specialist projects. Customer testimonies may also be submitted.



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Health & Safety Award

This Award will be presented to the company who demonstrates best health and safety management practices in the plant, quarry and construction industries. The company must have implemented detailed health and safety measures that incorporate a high level of management and workforce involvement. The company must demonstrate how it assigns H&S responsibilities and maintains competence across its organisation. Customer testimonies may also be submitted.

sponsor to be confirmed



Specialist Contractor of the Year

This category is open to contractors involved in any sector of the industry, including Civil Engineering, Highways, Quarrying, Utilities, Construction and Groundworks.

The award will be presented to the contractor who has successfully demonstrated or employed specialist, individual, unique, and/or innovative skills on any project or scheme within the last 12 months.

sponsor to be confirmed



High Achiever of the Year

This category is for the individual or company that has achieved outstanding success such as in sales, contract wins, company expansion / development or other areas of business over the past 12 months.

It is open to any individual or company currently active in the construction, civil engineering, quarrying and plant & machinery sectors. The winner must highlight the area in which they operate, level and type of achievement, and outline any relevant factors or reasons that contributed to that success.

ENTRY FORM

VISIT OUR WEBSITE

www.plantandcivilengineer.com

AND FILL IN YOUR DETAILS & SEND ENTRY ONLINE

You can also submit supporting corporate material – brochures etc, including photographs of projects, services or products. You can enter any number of categories but bear in mind, it is left to the judges opinion to reallocate any entry which may be more suitable to another category or an additional category.

The judges' decision is final and no correspondence will be entered into. All entries are private & confidential. The winner will remain confidential until the event.

All entries/nominations should be received by **28th September 2019** via online submission at www.plantandcivilengineer.com or email to justin@4squaremedia.net or post to **4SM (NI) Ltd, 12 Main Street, Hillsborough, Co Down BT26 6AE**

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AWARDS 2019

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PLANT, CONSTRUCTION & QUARRY AWARDS 2019

You can't win if you're not in. The Plant, Construction & Quarry Awards, hosted by Plant & Civil Engineer, is set to be the biggest event in the Irish industry's calendar.

Book your table immediately to avoid disappointment

Held in Belfast's luxury Crowne Plaza on November 21st 2019 the awards ceremony starts with a superb Gala Dinner.

Start preparing your entries. You simply cannot afford to miss it!

All inclusive tickets cost just £95 each – a table of 10 works out at £850. Anticipated demand is likely to be brisk, so act now to ensure your presence at the event of the year!

For further information, telephone Plant & Civil Engineer on 028 9268 8888

**PLANT & CIVIL
engineer**

PLANT & CIVIL ENGINEER
12 Main Street, Hillsborough, Co. Down BT26 6AE. N.Ireland
Tel: 028 9268 8888 Fax: 028 9268 8866
Email: info@4squaremedia.net www.plantandcivilengineer.com

Please Reserve seats @£95 or tables(s) of ten places @£850

at the **Plant & Civil Engineer** Plant, Construction & Quarry Awards 2019 in the Crowne Plaza, Belfast on Thursday 21st November 2019 at 7pm for 7:30pm sharp.

Name of Company: _____

Invoice Address: _____

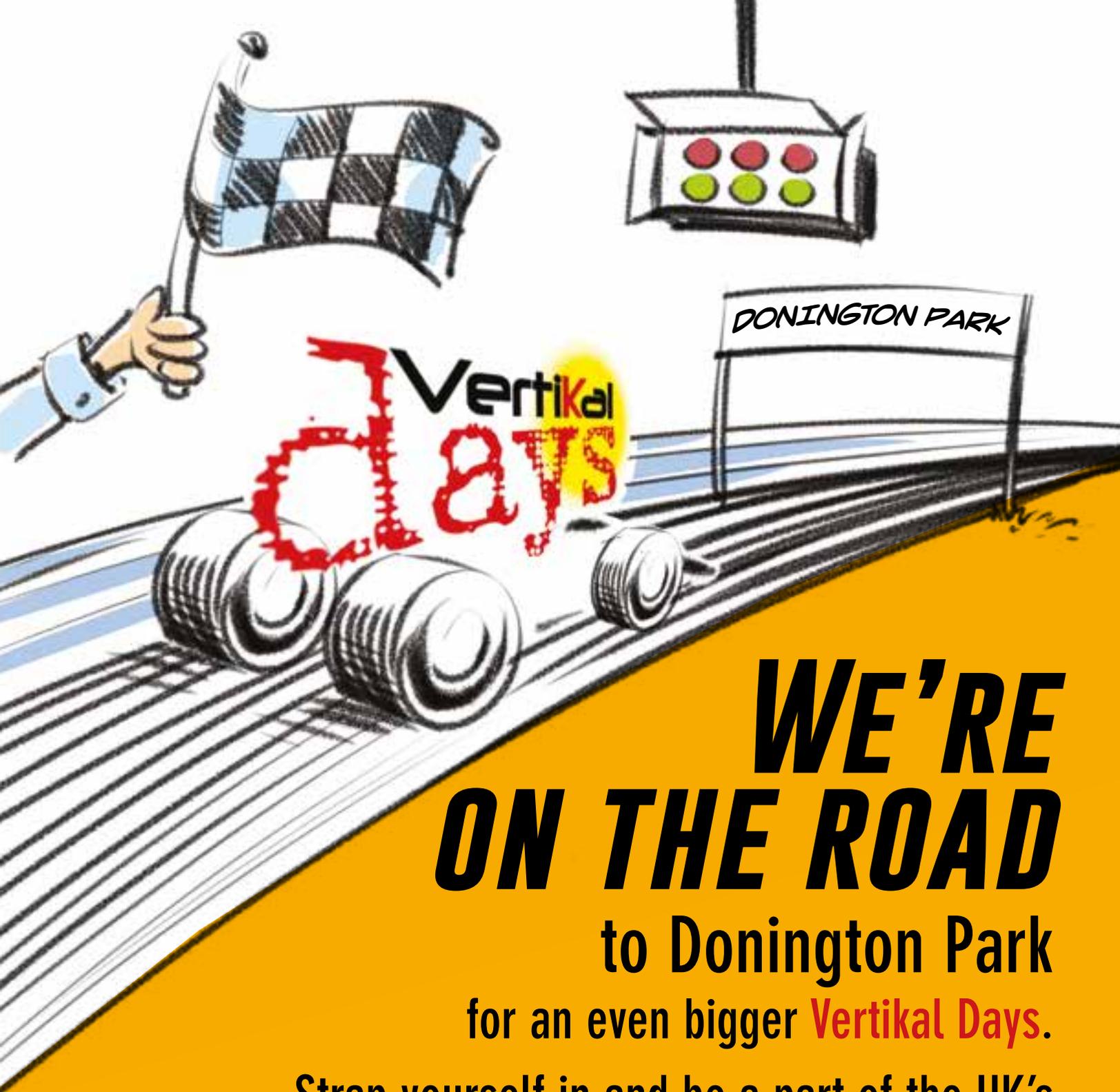
Post Code: _____

Contact Name: _____ Tel: _____

Dress Code: Gentlemen - Lounge Suit. Ladies - Cocktail Dress

The above prices are plus VAT and will be shown as such on the official receipt.

THIS PRIORITY BOOKING FORM TO BE POSTED TO: **Plant & Civil Engineer**, 12 Main Street, Hillsborough, Co. Down BT26 6AE or email table or seating requirements to justin@4squaremedia.net



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Registration is now open for both exhibitors and visitors. Go to www.vertikaldays.net



REACHING FOR NEW HEIGHTS AT VERTIKAL DAYS 2019



Vertikal Days is a specialist event with its core centred firmly around access platforms, cranes, telehandlers and associated lifting equipment. If you are a rental company, fleet owner, user or lifting professional, Vertikal Days will give you an unobstructed view of the industry's latest products.

The show this year is returning to Donington Park for an even bigger event on May 15th and May 16th, so expect to see lots of

exciting new product launches making their way to the exhibition directly from Bauma!

Because Vertikal Days focuses purely on lifting equipment, visitors will have plenty of time to network and talk.

It's a compact and seriously targeted event so you will have time to visit all of the exhibitor stands without getting lost or walking a mile – and you will have time to enjoy product demonstrations and have coffee or lunch with a colleague or competitor.

So what can you expect to see? mobile cranes crawler cranes mini cranes/spider cranes tower & trailer cranes loader cranes, boom lifts, scissor lifts, spider lifts, mast booms, van & truck mounted lifts, personnel lifts, trailer lifts, mobile access towers, mastclimbers & hoists, telescopic handlers, safety equipment, parts & service suppliers, components & accessories affiliated trade associations – and much, much more.

New Bigger Magni Makes its Debut

Magni UK say the new Magni RTH 8.25SH will be exhibited at the Vertikal Days 2019. This will be the UK launch for the machine that was originally launched at Intermat last year.

The Magni RTH 8.25SH at its launch held the record for being the heaviest capacity rotating telehandler in the world. This record no longer stands as Magni will be launching their new 13 tonne capacity 26m lift model, the Magni RTH 13.26 SH.

The Magni RTH 8.25 SH has been very well accepted since its launch in the rest of Europe and the US with multiple sales to end users. The machine is produced on the chassis of 35/39 m machine but major structural components have been reinforced to achieve the additional capacity.

The machine is particularly suitable for the construction market and in particular modular construction (buildings made by wood, steel and concrete prefabricated elements), maintenance and construction of industrial plant, infrastructures and public works.

This high performing model can lift 5.3 ton at 25 m height and 1 ton at 21 m reach; this performance is even more astonishing if we think of its very compact dimension and the weight of just 24 ton.



Registration is now open for both exhibitors and visitors. Go to www.vertikaldays.net

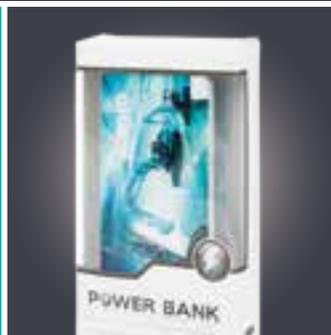
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IPS Prepares for Brexit with Huge Genie Parts Order

Replacement parts specialist IPS has placed the largest order for access platform spare parts ever received by Genie in the EMEAR region.

IPS is making the substantial investment – equivalent to four months' worth of stock for in order to ensure that its customers experience minimal disruption when the UK leaves the European Union.

Kevin Shadbolt, Director of IPS, said: "No one knows for sure how Brexit is going to impact supply chains; however, it is increasingly likely that the UK could experience substantial disruption.

"We founded IPS to make finding and buying parts easy for owners of access platforms in the UK and Ireland. This investment in genuine Genie parts is therefore about us staying true to our guiding principle. Both IPS and

IPS Ireland have at least taken away some of the uncertainty that customers in the UK and Ireland are feeling right now

but owners of Genie lifts can rest assured that – whatever Brexit brings - we have got them covered for the next few months."



Founded in 2001, IPS is Genie's authorised parts supplier for the UK and Ireland. It is also the official UK parts provider for brands including Hinowa, Omme Lift, Grove Manlift, Manitou, MEC, BoSS and Pop-Up Products. Customers are served via a fleet of mobile parts sales vans covering the UK, supported by a call centre and 17,500sq ft parts warehouse.

Phil Taylor, Senior Parts Manager for EMEAR region at Genie said: "One of the reasons we appointed IPS as our authorised parts supplier is its dedication to very high levels of parts availability and excellent customer service. IPS has placed the largest single parts order we have received to date in the EMEAR region, further underlining its commitment to Genie and to our shared customers.

"Machine down-time is a big expense for access rental companies. By investing in such high levels of stock, IPS will ensure that Genie owners will benefit from a smooth transition when the UK exits the EU."



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inspHire Takes Operated Plant Management Capabilities to the Next Level

Tackling one of the industry's greatest challenges, inspHire is thrilled to announce the launch of its new and improved Operated Plant module which delivers a full end to end digital process for complex resource-based scheduling and timesheet driven activities.

Businesses will be excited by the ease in which they can assign their trained operators to machines, quickly cross-referencing availability against the competencies needed to carry out a job. This transformed functionality works wonders in ensuring that jobs are carried out effortlessly from start to finish, providing on-site employees with the ability to capture both productive and non-productive time whilst on-site through their mobile phones, prior to obtaining sign-off to help reduce invoice queries.

inspHire's Operated Plant Specialist and New Business Manager, Dane Evans says, "We've worked hard alongside leading experts in the Operated Plant, Powered Access and Crane industries to release our brand-new resource planning module. Guaranteeing all the necessary features are under-the-hood of one system, we wanted to give businesses the ability to better manage resource, operators, shifts and schedules. Customer feedback has been pivotal in the development process."

With the introduction of a new easy to use, graphical resource scheduling screen assigning operators to equipment, both employees and subcontractors, has never been simpler. Drag and drop functionality allows inspHire users to plan and allocate both the correct equipment and suitable operator to a job.

Included in the operator's information will be the cards, licences and certificates they hold, ensuring that any individual or team



allocated to equipment is legally permitted to operate it, and have the skills required to complete the job successfully. You can also specify shift patterns during the schedule planning process, making it easy to see when operators have been working, when they're next available and the gap in-between shifts.

In addition to operator assigning, timesheet entry has also been completely digitised within inspHire Mobile. The once tedious task of completing paper-based timesheets and Excel Spreadsheets is no more. Operators can now log their hours through the use of inspHire Mobile and to confirm the authenticity of the timesheet, a site foreman can then sign it digitally. Once done users can instantly transfer the data over to the office for review where the authentication can take place and invoices be created faster. Each of these features were created with

the aim to greatly improve the efficiency of this process and alleviate hassle for the end user, of which both your accounts team and operators will be thankful for.

Mark Taylor continues to say, "Digitalising the timesheet process is hugely beneficial for hire businesses. The transferral of data between operator and hire desk staff becomes instantaneous, leading to improved operational efficiencies and an increase in cashflow."

To witness the new Operated Plant Module first hand, head over to Stand MP23 at Vertical Days and meet the team behind the product. Alternatively, visit www.inspHire.com where you can book a free demonstration with an inspHire product specialist to see this exclusive functionality in action.

RTH 6.46 SH, masterpiece as no other

- 46 MT OF LIFTING -



RTH 6.46 SH by Magni is the only telescopic handler in the world reaching 46 m of working height. Experience and technology worked together to produce this model as no other. The undeniable Magni's know-how in the sector and the constant research in new technologies translates into robust and performing machines. An unmistakable constructive style that speaks of quality, safety and pure Italian passion.

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CIF launches inaugural Health & Safety Summit

The Construction Industry Federation recently hosted its first Health & Safety Summit in Croke Park in Dublin.

Against the backdrop of a very welcome expansion in construction activity, the CIF's inaugural Health and Safety Summit looked ahead to 2019 and beyond and featured speakers from multiple sectors discussing how the industry can manage challenges to create a healthier and safer workplace for all, learn how new technology can prevent illness and injury, and see

how investing in staff wellbeing today can help save money in the long-term.

Dermot Carey, Director of Safety and Training, Construction Industry Federation said: "The construction industry is on a strong growth trajectory driven mainly by ambitious government targets in house-building and infrastructure development.

"With this increase in activity comes an expanding workforce – new and returning workers adding approximately 112,000 people to the workforce over the next

decade. This growth will bring an increase in occupational risk, so now is the time to reflect on our current health and safety procedures so workers can be busy and safe.

"For decades the industry in Ireland has invested to ensure workers are safe on construction projects. Approximately 90,000 workers complete the Safe Pass Programme every year. However, progress and innovation are constant requirements in an ever-evolving working environment. We can never become complacent. Health and safety should be to the fore when planning every project regardless of its size."

In his opening remarks, Frank Kelly, Construction Director, Walls Construction and Chair, CIF Safety Committee, spoke about a number of factors which have improved Health & Safety in the construction sector in recent years.

"In the last 18 years 1.7 million cards have been issued through the safe pass programme, 101,000 this year to date. This programme has provided a positive minimum entry level safety training to the industry.

"The demands from Foreign Direct Investment companies imposing their requirement for higher standards in Health and Safety has also had a positive effect. As many FDIs working in jurisdictions outside of Ireland were exposed and experienced safe systems of work far beyond what was evident in Ireland previously. By imposing their requirements on the industry and, more importantly being willing to pay for those standards, Irish contractors found that in order to compete for these contracts it was necessary to develop their Safety Management Systems. The industry rose to the challenge and the requirements for best in class were successfully delivered."

These requirements saw many companies developing and implementing Safety Management Systems accredited to BS 18001 and the establishment of Safe T Cert.



Pictured at the summit are (l-r) Dermot Carey, CIF; Fergal O'Byrne, Head of Business Excellence Certification, NSAI; Dr. Sharon McGuinness, CEO, the Health and Safety Authority and Chair European Chemicals Agency Management Board; Fergus Collins, Head of Capital Services, Irish Water; Steve Hails, Director of Health, Safety & Wellbeing, Tideway, UK; and Brian Kennedy, Project Director, John Sisk and Son (Holdings) Ltd. Photo by Maura Hickey

New WA480-8 Expands Komatsu Wheel Loader Range

The latest wheel loader to be added to Komatsu distributor McHale Plant Sales' product offering is the all-new WA480-8 – a machine which their sales director, John O'Brien says is 'a very important model and hugely popular amongst sand and gravel operators in Ireland.'

Unveiled for the first time at the Intermat show in Paris

earlier last year, the WA480-8 is powered by a new EU State IV engine of 223kW/299HP at 2000rpm output delivering what Komatsu claims is an up to 15% better fuel consumption than the model it replaces. Operating weight is 26,870kgs while bucket capacity ranges from 4.9 – 5.9 cubic metres.

Its numerous new features include an air-suspended operator

seat, new optional short lever steering, new gull wing type engine doors and new Komtrax 3G mobile communications with increased operational data.

Other items amongst a myriad of operational highlights are power and eco friendly additions, better all-round comfort, excellent

stability and manoeuvrability, simple and convenient handling, easy maintenance and the full menu of Komtrax machine security features.



THURSDAY 29th AUGUST 2019

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Simply Asset Finance launches into Northern Ireland with Head of Sales appointment

Simply Asset Finance has appointed Gary Coburn as head of sales for Northern Ireland. This marks the official move of the provider into the region following a year of impressive growth.

Gary has 20 years' industry experience and joins Simply after nine years at Close Brothers Asset Finance where he was responsible for the Northern Ireland Asset Finance sales team.

In his new role, Gary will have full responsibility for Simply's offering in Northern Ireland and will contribute to the overall growth strategy of the business, helping the business to achieve further success in the UK.

Commenting on the new appointment, Mike Randall, CEO, commented: "Gary is the latest senior appointment at Simply and he brings valuable regional knowledge to the team. We already work with customers in Northern Ireland, but our offering will be even more compelling to SMEs if they can connect with someone who is on the ground and lives and breathes their needs. We are very pleased to have Gary on board and I have every confidence that he will do a superb job of supporting our business and its continued ambitions."

Gary added: "This is great news for businesses within Northern

Ireland; by establishing a local presence here Simply Asset Finance will be able to support the funding needs of local small and medium sized enterprises.

"The market is well-primed for a new funder and there is a growing demand for SME finance – particularly from a provider that offers flexible terms and excellent service. The role represents a challenge that I am looking forward to getting my teeth into – supporting the local business economy, expanding our business and continuing to deliver the best customer journey across the markets in which we operate."



Gary Coburn

Hillhead 2020 set to be even better for visitors

Maintaining its reputation as the largest exhibition of its kind in the world, Hillhead 2018 boasted a record-breaking attendance with 19,753 unique visitors making the trip to the Derbyshire quarry last June.

Following a visitor survey, feedback on the show has been extremely positive with more than 90% of those surveyed saying they are 'certain' or 'likely' to visit again next time.

Over 80% of those surveyed thought the free parking was 'good' or 'excellent', whilst 87% liked the layout and ease of navigation. The registration process, both before the show and on site, also received excellent feedback with 94% rating it as 'good' or 'excellent'.

And given the unusually hot weather last June, the decision by the organisers to give out free bottles of water to every visitor was also extremely well received.

Hillhead is a show like no other and the visitors were certainly in agreement, with many commenting on the 'unique atmosphere' of the event that 'can't be found anywhere else'. Others said it was 'a major spectacle', 'an excellent window on the market' and 'a perfect place to get

a fast and efficient overview of the UK quarrying and construction business'.

Hillhead is always looking to move forward and a number of areas have been identified by the organisers to improve the visitor experience. As a result, for 2020 further investment is planned for additional shuttle buses serving the free car parking, more directional signage on the showground, additional public seating areas for visitors and the ability to accept card payments in the catering outlets.

With these and many other improvements already under way, the 2020 edition of Hillhead looks set to be another you will not want to miss.

The show will take place from 23–25 June 2020 at Tarmac's Hillhead Quarry, near Buxton. Further details are available from the show website: www.hillhead.com

Engcon introduces most powerful automatic quick hitch so far

Engcon is set to begin production of the EC-Oil 80, its largest automatic hydraulic connector to date.

The connector will allow large, high-flow tools to be quickly and easily connected to excavators of up to 40 tonnes using the Q-Safe 80 quick hitch, meaning the operator can remain seated in the excavator when connecting

or disconnecting the tiltrotator and other hydraulic tools.

This will make the Q-Safe 80 Engcon's most powerful automatic quick hitch so far. The system will come with an EC-Oil 70 block, two ¾ inch connectors and connections for electrical power and central lubrication as standard, allowing automatic connection

to Engcon's tiltrotators with equivalent EC-Oil connectors.

The standard configuration will allow hydraulic flows of up to 250 litres through the Q-Safe 80 quick hitch. Should even higher flow be needed, the EC-Oil 70 block can be replaced with an additional EC-Oil 80 block, two 1-inch hydraulic connectors, and ½ inch hydraulic connector and two electrical power connections

to reach a flow of 300 litres, enabling the connection of large, high-flow hydraulic tools.

"There is great demand for an automatic quick hitch for large excavators, as the large manual hydraulic connectors from ¾ inch upwards are heavy and difficult to handle," says Fredrik Jonsson, Research and Development Manager at Engcon Group. "EC-Oil 80 can transform connections for large excavators and tools, so that jumping in and out of the machine and struggling with awkward, pressurised, messy hydraulic connectors will be a thing of the past."

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THURSDAY 29th AUGUST 2019

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FIRST KINSHOFER NOX MAKES A POSITIVE AND LASTING IMPACT ON THE TEAM AT URBAN LANDSCAPE DESIGN

Introducing a Kinshofer NOX TR10 tiltrotator to their fleet has been quite a revelation, and a very positive one at that, for Urban Landscape Design, a high end commercial and domestic landscape and design company, as Plant & Civil Engineer's David Stokes has discovered.

Established over 15 years ago by Mark and Holly Youde, this award-winning company offers a comprehensive landscaping service throughout the North West of England and North and mid Wales.

They have built up a distinguished reputation which incorporates an extensive skill set and wide range of expertise to produce outstanding prestigious and sustainable design and landscaping solutions for private and commercial landscaping clients.

Employing a 30-strong team, the company is innovative and open minded with a 'can do' attitude and will professionally undertake any size project, no matter the budget or deadline – from hard and soft landscaping, living walls and green roofing to beautiful outdoor living spaces, (including outdoor kitchens), to playgrounds, invasive weed control and wildflower meadows.

"The NOX TR10 is our first tiltrotator but certainly it won't be our last," says Mark. "Since the day we got it we have been able to see the many advantages and benefits, even though the initial cost is substantial. It's money well spent."

Clearly, there is no doubt in Mark's mind that the NOX tiltrotator is one of the most advanced and flexible tools for excavators -and with a 360° continuous rotation and tilting angles of up to 2 x 55°, it can reach places conventional machines could not. This cylinderless solution features a very compact design with a narrow width and without any protruding parts.

The patented tilting function is provided by the elliptic piston design with only



one thread. Due to the closed system, the risks of damages are reduced and the tilting force is constant.

Making Life Easier

Urban Landscape Design has the tiltrotator fitted to a Kubota KX080 excavator and comments Mark: "We were particularly attracted to the Kinshofer NOX because it doesn't have any external rams.

We have seven different users of the machine and felt the design was much





better, with a more compact set-up, making life easier for everyone."

However, he does admit: "The controls do take some getting used to, but as they say: practice makes perfect – and now that the operators have had a 'play' they find it is easy to use, and we can all see the benefits."

The tiltrotator is primary used on the company's bigger projects involving ground clearance, such as larger pond and lake excavations, and land sculpting and shaping on the larger commercial and domestic schemes.

"For us, it makes the work we carry out much easier as we can leave the excavator in one position, saving on wear and tear on the machine and also time saving," says

Mark. "Indeed, by our calculations it saves us approx. 25% of time allocation on a project, so it is certainly more efficient. Plus, we don't create as much damage to the environment or the ground we are working on."

The Kinshofer NOX tiltrotator also works with different kinds of attachments and practically every kind of work operation becomes child's play. As Mark and his team discovered, general working is much more efficient and fast, because you can work precisely without repositioning the excavator all the time.

The tiltrotator has a DF4 controlling system which has proven to be very effective, easy to use and simple to programme and adjust flow rates and so forth. "It is almost bullet proof," says Mark.

Service & Support

The NOX TR10 is also extremely service friendly, as there are only two greasing points, there are less wear parts, and the hydraulics are integrated into the solid cast housing.

So, what level of service and support do you get from Kinshofer? "We cannot fault the service from the team at Kinshofer," explains Mark. "It has been first class."

Would he recommend the NOX? "Without a doubt I would recommend any form of tiltrotator now. It is a given for us. This has been our first tiltrotator, but it won't be our last. As machines in our fleet are replaced over the next few years, they will certainly have tiltrotators installed."



New Tandem Roller Brings Ease Of Use and High Productivity

JCB has unveiled the new CT260 tandem vibratory roller, designed to simplify operation and maintenance, while increasing productivity and return on investment. The CT260 is available in two drum sizes with 1,000mm and 1,200mm widths.

Built for both asphalt and base layer compaction, the roller's completely new hourglass design delivers excellent visibility to both sides of the drums. The articulated chassis also offers access to the driver's seat from either side with integrated grab handles and an obstruction-free floor providing plenty of space for taller operators. The spacious operator platform is isolated using anti-vibration mounts, for improved comfort.

A single responsive drive lever allows smooth operation and there are three switchable vibration settings – for both, or independent



front or rear, drums. Automatic Vibration Control is standard, while an easy to adjust off-set facility increases versatility, making it easier to work around raised ironwork and

kerbs. The main control panel has easy to understand work modes with large switches that can be operated with a gloved hand.

A pressurised water system has a single switch for easy use and both the fuel and water tanks have easy access to drain points. In addition, the moulded water tank has the words WATER ONLY embossed in the design, to reduce the chance of cross contamination. The water tank cap is now white, to avoid confusion with the blue caps used by other manufacturers that require an AdBlue tank.

The new CT260 is powered by a proven Tier 4 Final, EU Stage V certified engine that uses mechanical injection and no diesel particulate filter (DPF). An operator-present seat switch has a timed cut-out delay, to allow free movement on the seat during operation, while all electrics are IP67 and IP69 compliant, to withstand power-washing for faster rental turn-around.

Groundforce Training celebrates a quintet of training accreditation wins

Groundforce Training has recently become the trusted provider for nationwide safe digging/excavation courses to Morrison Utility Services, the UK's largest, dedicated utility service provider and part of M Group Services.

The training services division of specialist construction equipment supplier Groundforce has notched up a quintet of accreditations to date this year.

The company has won a place on the preferred training supplier list for the UK's leading utility services provider, Morrison Utility Services. This roster was recently reduced from hundreds to just 14 providers, making Groundforce's win even more prestigious.

Groundforce Training services will deliver all of Morrison Utility Services' nationwide safety training requirements for EUSR implement safe (digging) excavating practices as well as EUSR timber, steel and proprietary

shoring systems. Other courses are also included but the focus is on excavation and shoring.

Richard Nelson, training compliance manager for Morrison Utility Services, said: "Groundforce have supported Morrison Utility Services in training and developing our people in the key skills required for the utility industry. They have provided us with an excellent service combined with a quality-assured training delivery to support our employees."

Groundforce Training Services general manager Chris Gearren said: "We've been honoured to have MUS as a long standing client. To become their formal and trusted provider for nationwide safe digging/excavation courses only strengthens our relationship. The commitment that Morrison Utility Services have made to minimise risk in and around excavations through accredited training sends a powerful message to the entire industry."

JCB puts safety firmly in focus with new films

JCB is heading an industry-wide initiative aimed at improving health and safety within the waste and recycling sectors.

In partnership with the Chartered Institute of Waste Management, Biffa, HW Martin Group, EU Skills, Mentor Training and Waste Masters Hire, JCB has produced a series of five 'WasteWise' films that promote the safe and efficient operation of handling machinery at waste sites.

The films, which are now available to watch, free of charge, via YouTube and other social media platforms, each run for approximately 10 minutes and focus on the simple steps that machine operators should take to optimise on-site safety and productivity every day.

The films are dedicated to specific machines in the JCB WasteMaster range

and cover essential pre-shift checks, basic maintenance routines and guidance on visibility and ongoing machine management.

David Banks, JCB's Sales Manager – Waste and Recycling Sector, said: "JCB is the single biggest provider of handling equipment to the UK waste and recycling market and the new 'WasteWise' videos are part of JCB's commitment to improving health and safety across the nation's waste and recycling plants

"A steering group was formed with a diverse range of partner companies and organisations representing the sector to help highlight the key issues and some of the challenges facing the industry are addressed in the films."

He added: "The videos are designed to help develop a heightened sense of responsibility among machinery operators

working in the waste and recycling sectors. We hope to create an understanding of the fact that, by taking a few simple steps, operators can greatly reduce the likelihood of being involved in an accident.

"The films also show how basic routine vehicle maintenance checks not only improve on-site safety but also contribute to significant reductions in machinery operating costs and, over the lifetime of a machine, will help to sustain residual values and, therefore, minimise total cost of ownership."

The JCB machines featured in the 5 'WasteWise' films are: the 550-80 telescopic handler; the Teletruk 35D; the JS20MH material handler; the 437 wheeled loader; and the 5CX back hoe loader.

David Banks added: "The 'WasteWise' films are designed to be complementary to existing training programmes. The content encourages operators to take responsibility for the machines they work with. By doing so, they will make life safer for themselves and their colleagues."

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in profile

THE CUSTOMER COMES FIRST AT ASHBOURNE TRUCK CENTRE



Putting the customer first, Ashbourne Truck Centre has never been busier, with increasing plant sales being driven by the continuing improvement in the Irish construction sector.

Established by Joe Mooney more than three decades ago, the company specialises in the sale, service and maintenance of semi-trailers and recently moved into new offices on its premises in County Meath.

Not only is it the sole sales and service partner for the Faymonville Group in Ireland, it is also the agent for Schmitz Cargobull tipping trailers in addition to being the main dealer for Sara Ramps and Max Trailers – so it clearly has a comprehensive product portfolio to offer to its ever growing customer base.

Comments Joe's daughter Sarah, who is General Manager: "With the construction industry on the up, sales of plant and

parts have seen a corresponding increase in recent months and we believe that trend is set to continue into the rest of the year."

While a lot of the company's business comes from repeat customers – a clear indication that customer satisfaction runs high - new clients are coming on board on a regular basis, too.

"Every business depends on its customers and keeping them happy by providing goods, services and support they need is vital, so that has always been our Number One priority down through the years; today, it is more important than ever," says Sarah.

Conveniently located at Ballymadun in Ashbourne – just minutes away from the M50 - the company boasts an impressive product portfolio, an essential ingredient in their success. The brands

on offer are well respected and renowned not just in Ireland, but much farther afield, for their high quality and reliability.

Aftersales

That, coupled with unrivalled after sales service and support, clearly has a massive bearing on the success of Ashbourne Truck Centre; they go hand-in-hand, together with continual investment in the business.

"We are always seeking out ways to further improve our service," says Sarah. "Like any business, we cannot afford to stand still; we are certainly not resting on past successes." Having good people around you is also a big factor and over the years the eight-strong





team at Ashbourne Truck Centre has built up a vast amount of sales, service and technical experience which they can utilise to the benefit of their customers who can be confident that help and support are only ever a simple phone call or email away.

"Many of our staff have been with us for a long time during which they have built up close personal working relationships with our customers with whom they are on first name terms, so they know they can trust any advice being offered; we always put our customers first," adds Sarah.

Trailer Hire

Another part of the business which is experiencing an increase is the trailer hire department, especially in tipping trailers and low loaders which are available for short and long term rental.



"We can meet virtually all requests, whether it be for just a few hours, a day, a week or much longer," explains Sarah, "no matter where the customer is located throughout the 32 counties."

Maintenance, too, is another side of the business that enjoys steady growth, with the company having at their disposal a fully equipped workshop with seven bays and state-of-the-art facilities, together with highly trained technicians, to carry out a wide range of repairs and servicing.

"We have invested significantly in our workshop in recent years," says Sarah. "It is always busy, with a lot of repeat business – and it's backed up with a well stocked parts department, including a full range for

all Faymonville and Schmitz trailers, to meet virtually any request at any time."

For those not able to get to the parts counter, the company provides a nationwide delivery service direct to the customer's premises.



QUINN BUILDING PRODUCTS CHOOSES 14 EFFICIENT OFF-ROAD TIPPERS FROM MERCEDES-BENZ

Quinn Building Products is enjoying peak performance from a new fleet of Mercedes-Benz 'mountain' trucks. The 14 tippers were supplied to Derrylin-based Quinn by Northern Ireland Dealer MBNI Truck & Van.

All are 8x4 Arocs 4148 models with 12.8-litre straight-six engines rated at 350 kW (476 hp), and ClassicSpace cabs. Each truck is capable of carrying a 33-tonne payload.

They transport loads of aggregate from the operator's Doon and Swanlinbar quarries to its Quinn Cement plant at Ballyconnell. The journey entails a fully-laden run down the long, steep descent known locally as 'the mountain' – optional equipment includes powerful water retarders which enhance safety, while reducing wear and tear on brakes and drivelines.

"It's an extremely demanding task and requires vehicles built to the very highest standards," said Transport Manager Brian McManus. "You can't cut corners on specification for a job like this."

The rugged Arocs range is purpose-designed for construction-related applications, while Greater Safety is one of the three pillars of Mercedes-Benz Trucks' all-encompassing RoadEfficiency strategy, the others being Low Total Costs and Maximised Use.



"We've been buying Mercedes-Benz trucks since 1988 and they've proved over the years to provide outstanding quality and solid reliability," Brian continued. "We know we'll get great value for money, and that we can depend not only on the vehicles themselves, but also on the Dealer's back-up."

"We have developed a strong relationship with MBNI Truck & Van, as well as the manufacturer, and it's because we've been so well served that Mercedes-Benz vehicles now account for the greater part of our 150-strong fleet."

Over the last year Quinn has also taken delivery of 24 Actros 2445 StreamSpace tractor units with small, 17.5-in wheels on

the mid-lift axles, which save weight and free up useful space on the chassis. Powered by 330 kW (450 hp) engines, the Actros transport bagged and bulk cement powder, as well as a range of building products. Quinn has recently commissioned three road-going 32-tonne Arocs 3240s, too – one has an insulated tar-specification tipping body, the other two with mixer drums for concrete deliveries.

Most of Quinn's recent Mercedes-Benz trucks are backed by ExtendPlus Contracts, which supplement the standard vehicle warranties. Cover is extended to four years and takes in mechanical, electronic and electrical components. The operator undertakes routine maintenance in its own workshop, for which MBNI Truck & Van maintains an imprest parts stock and provides technical advice and assistance if required.

"The introduction of our new tippers represents a major step in our fleet renewal programme," added Brian. "By the end of 2020 we will have replaced all of the older trucks on our fleet, as well as ageing plant machinery."

"These investments will reduce our environmental impact, boost efficiency, and allow us to meet ever-increasing demand, while continuing to provide the top-quality services that our customers have come to expect."





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Buoyant construction market drives backhoe sales for Mecalac

According to insight from Systematics International, 2018 was a successful year for UK construction equipment sales. More than 24,000 units were registered demonstrating year-on-year growth of more than 4%.

Mecalac Construction Equipment UK Ltd, a global leader in the design and manufacture of compact plant solutions, has experienced this success first-hand – in particular, for its highly-acclaimed backhoe loader range.

According to the company's latest sales figures, UK registrations increased by 34% year-on-year (2017-2018), while export volumes similarly continued to rise.

The company credits this hike to a strong national infrastructure project pipeline, driving market demand for rental-tough, mobile excavating equipment. Mecalac's sideshift backhoe range, comprising three models (TLB870, TLB890, TLB990), is perfectly placed to meet fleet requirements.



Designed from the ground-up to deliver class-leading power, performance and productivity, each model achieves an outstanding dig-depth, reach and dipper tear-out force. Featuring the latest in emissions-compliant engine technology, fuel-saving

measures and intelligent user features, the range is already a firm favourite for construction professionals worldwide.

Paul Macpherson, UK Sales and Marketing Director at Mecalac CEUK, commented: "Since the 2008 slump, construction equipment sales have continued to recover. The latest insight from Systematics predicts further growth over the coming months, with the long-term outlook looking 'encouraging'.

"At Mecalac, we've noticed this impact, especially in the context of backhoe loader sales. A year-on-year increase of more than 34% is a considerable success, while rising export sales against the background of a weak global market highlights the suitability of our product portfolio.

"With a number of product updates and technology additions planned for 2019, we're committed to further developing the range and providing added value to construction professionals worldwide."

Kinshofer acquires Hammer

Kinshofer and Hammer have signed a definite agreement to merge; under the terms of the agreement Kinshofer has acquired a majority shareholding of Hammer.

The acquisition is significant for Kinshofer in two ways; first it adds additional product segments, such as a full range of hydraulic breakers and other demolition tools to Kinshofer's already very comprehensive offering. And secondly, it improves Kinshofer's distribution channel in markets Hammer is very strong.

But not only that, Kinshofer has now enhanced local manufacturing in Italy, with its Molfetta based fully vertically and very advanced manufacturing facilities, customers will be served much quicker and with a much larger product range.



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EURO AUCTIONS' HAWK PLANT DISPOSAL SALE ATTRACTS HUGE HAMMER TOTAL

Euro Auctions recently conducted the disposal sale of all assets of the hire group known as Hawk Plant Hire on 14th and 15th March 2019 and despite storm Gareth, the crowds turned out in droves.

With over 2,000 pieces of plant and machinery from Hawk Plant Hire, who went into administration earlier in 2019, on sale, a final hammer total of £28,967,840 was achieved.

This unique disposal sale was an extraordinary opportunity to see a large compliment of well maintained, late years machinery, go under the hammer, in addition to largest collection of John Deere tractors and agricultural machinery to be auctioned in the UK.

There was exceptional interest not only from the UK, but from European and Global buyers such is the reach that Euro Auctions can leverage from its network of loyal customers.

Thursday 14th March was the agricultural machinery and light equipment day at the Hawk Depot at Prees Green, Shropshire, whilst Friday 15th March was the heavy equipment sale at Sandford Industrial Park in Whitchurch.

There were many highlights during the two days. The first being the outstanding compliment of 2016, 2017 and 2018 agricultural machinery.

In addition, the main inventory included a good compliment of mixed plant including: crushers, rollers, wheeled loaders and excavators, dozers, spares, buckets, small



tools, and other popular machinery, all well maintained and again, many under warranty.

David Betts, for Euro Auctions, comments: "The number of registrations for this sale and the bidders who turned up on the day of both sales was extraordinary, almost unprecedented. This sale had mass appeal in the agricultural, plant and machinery sectors. Prices were strong, and bidding was fierce. However, it was the quality of machinery on offer that attracted an educated crowd. The 130 John Deere tractors were

a crowd stopper, with many of the newer machines having less than 200 hours on the clock and many exceeding our estimations, showing the strength of the market."

The HAWK Group was headquartered in Prees, in northwest Shropshire bordering Cheshire, and was one of the largest independent plant hire companies in the UK, with 40 years of experience in the plant hire industry, and customer spanning the infrastructure, energy and homebuilding markets.

World's Largest Excavator Sale as Euro Auctions breaks new records

Euro Auctions recently hosted its largest ever sale at its Leeds site, with over 5,000 lots going under the hammer. The stars of the sale were 750+ excavators, which was the world's largest sale of excavators!

After the three-day sale, the hammer total was £42 million, an increase of over 5% on the same period in 2018, however it was the number excavators that were up for grabs that provided the highlight of the sale.

The last three Euro Auctions sales have all been record breaking in some way. However, with this sale the number of lots was the highest on record, in addition to record attendances, record registrations and record number of bidders from across the globe.

Online sales are now constantly between 50% and 60%, with strong interest from Europe, Middle East, Africa, Oceania, Caribbean, Asia, South America and North America.



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AUCTIONEER RITCHIE BROS. MOVES ITS UK BASE TO MALTBY

Heavy equipment auctioneer Ritchie Bros. has moved its UK auction site and office to a leased location in Maltby, Rotherham; auctions, which are attended by bidders from around the world in person and online, will be held at the former Maltby colliery.

"We're extremely proud and excited about moving to this new, unique location," said Rupert Craven, Sales Director UK & Ireland, Ritchie Bros. "The Maltby colliery and region have a long, rich heritage. With our auctions and events at this new site, we look forward to becoming part of the Maltby community, contributing to the local economy and industrial spirit."

Ritchie Bros. was founded in British Columbia, Canada in 1958 as a family-owned auction company. In 1987, the Company moved to Europe, holding its first European auction in the UK. Ritchie Bros. has held dozens of auctions in the UK since, helping hundreds of businesses buy and sell machinery, trucks, tractors and more. Until recently Ritchie Bros. ran its UK operations at a site in Donington Park (East Midlands).

"We've outgrown our site in Donington Park," continued Mr Craven. "The new Maltby site will be better equipped for future growth and will have great additional advantages for our customers."

The first Ritchie Bros. auction in Maltby was held in February.



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Highlights from the Regional Director's Annual Report

In his Regional Director's Annual Report Gordon Best says the continuing absence of an Assembly and Executive resulting in numerous delays of much needed infrastructure projects is frustrating and worrying.

"If that wasn't bad enough the Brexit saga continues and with all the uncertainty it brings does not make it easy for anyone in private business. Let's hope common sense, economic and political realities will prevail over the coming months."

On the more positive note the Association's 20 year Birthday celebration at the Stonecrushers Ball in October and the publishing of the "Quarry 2018- Celebrating 20 Years of QPANI" journal were enjoyed by many.

It was the most comprehensive Journal yet with over 130 pages of excellent industry editorial covering the economic, social and environmental contribution the industry makes not just in Northern Ireland but further afield. Feedback from those who have

read the Journal has been very positive and a reflection they say of a very professional trade body.

"We now look to the future as MPANI and aim to develop and promote our brand, increase our influence and defend our Members' interests against the many challenges facing the Mineral Products sector and construction material suppliers here in Northern Ireland," says Gordon.

"In our objectives for 2019 we have prioritised promoting our industry, raising standards and improving the image to help us address the high age profile and under representation of women across the sectors we represent. I have every confidence that we will achieve our objectives having listened to our Young Leaders and seeing their enthusiasm for our industry.

"Our engagement with GCSE Construction Students and their tutors in 18 secondary and grammar schools over the past few months and planned site visits for students later this year

will I believe reap significant benefits. Collectively and individually we need to promote and offer apprenticeships across our sector. It is very encouraging to see so many of our members companies actively participating and indeed developing their own apprenticeship schemes and working closely with schools and colleges."

MPANI is part of the Construction Industry Forum (CIFNI) Task Group 3 who are developing a Construction Industry 2030 strategy of which one of the objectives is to increase women's representation in the construction industry from the current 15% to 30% by 2030.

"Our contribution to achieving that target will be increasing the number of female Stem Ambassadors from 25% currently to 30% by the end of 2020. We are planning a number of important initiatives with Womenstec and developing guidance for member companies on engaging with Youth Organisations promoting

the exciting and well paid careers within our industry."

Health and safety is and will continue to be a key priority in 2019 and MPANI's Health and Safety Committee will be focusing its attention, along with the rest of the MPA family, on the Fatal 6 - high risk areas of Isolation of Energy, Struck by Vehicle/Plant, Work at Height, Road Traffic Accidents, Struck by Falling Moving Object and Respirable Crystalline Silica.

HSENI has been very supportive and complementary about how the industry has reacted and implemented positive change as a result of both the "Managing Dust" and "Safer Precast" strategies.

"Our Highway Maintenance and Construction Group is also engaged with the Department of Infrastructure Roads and the Road to Zero Initiative in promoting a Road Worker Safety initiative which will roll out over the next few weeks across the social and main stream media. It is also great to see a number of Members initiating mental health initiatives within their companies and importantly highlighting these on social media."

Guaranteeing Quality Assured Concrete Products

The Mineral Products Association Northern Ireland has listed companies that can guarantee customers of quality and responsibly sourced materials. The move follows recent concerns being raised about the quality of mortar.

"Customers of concrete products need to be assured that the products they buy and use come from sites that are managed in a safe and environmentally responsible way," says MPANI Director Gordon Best. "They also need to have the guarantee of quality and that what they ask for is what they get."

To that end, MPANI with the support of QSRMC and BSI, has published a list of those companies that can meet customer expectations and can offer a guarantee of third party quality assured products.

"This will allow customers to make better decisions when purchasing materials from the industry," says Gordon.

Public sector procurement policy in Northern Ireland requires that all concrete used on public sector construction

sites must be sourced from Third Party Quality Assured Concrete Suppliers.

It states: "All ready-mixed concrete supplied for government contracts must be from production plant currently certified by a body accredited by the UK Accreditation Service (UKAS) to BS EN 45011 for product conformity certification of ready-mixed concrete. These include QSRMC (The Quality Scheme for Ready Mixed Concrete).

In terms of private housebuilding the National Housebuilding Council (NHBC) standards specification clearly states that Ready mixed concrete being used on an NHBC registered housing site is only acceptable from a supplier operating a full quality control system such as operated by QSRMC or the BSI kitemark or an equivalent system acceptable to NHBC.

QSRMC REGISTERED COMPANIES

Company	Location
LD Aggregates	Cookstown
B McCaffery & Sons Ltd	Enniskillen
Breedon/Whitemountain	All sites

Northstone NI Ltd	All sites
Tracey Concrete	Enniskillen
Quinn Building Products	Enniskillen
Norman Emerson Group	Craigavon
F P McCann	All sites
Clady Quarries Newry,	Armagh
Creagh Concrete	All sites

BSI REGISTERED COMPANIES

Alpha Quarry Products Ltd	Co Down
Alpha Quarry Products Ltd	Co Down
RTU Ltd	Newtownabbey
CES Quarry Products Ltd	Newtownards
Carryduff Concrete	Lisburn
Neil Mullin & Sons Limited	Omagh
McGarrity Bros	Omagh
CES Quarry Products Ltd	Saintfield
Loughran Rock Quarries Ltd	Carrickmore
Macrete Ireland Limited	Toomebridge
Robinson Concrete Ltd	Claudy
Robinson Concrete Ltd	Ballymoney
Stoneyford Building Supplies	Lisburn
Loughran Rock Industries	Armagh
Joseph Barrett & Sons Ltd	Dungannon
W & J Chambers Ltd	Coleraine
W J Chambers Ltd	Londonderry

Fork Lift Truck Association Appoints New Chief Executive

The Fork Lift Truck Association (FLTA) has turned to one of the most experienced and best respected figures in the materials handling industry in appointing its new Chief Executive.

Tim Waples joined the UK's leading authority on

the supply, servicing and operation of materials handling equipment on 1st March.

"I'm delighted that Tim has accepted the position," said Association Chairman Duncan Nealon. "He is the perfect fit for our organisation and brings with him a wealth of experience and a truly in-depth knowledge of this industry.

"His experience in developing one of the strongest and most effective dealer networks while at Doosan Industrial Vehicles positions him extremely well for engaging with our membership while his time as President of the British Industrial Truck Association (BITA) gives him an unrivalled perspective of the wider industry."



Tim Waples



Nadim Islam

Mecalac senior appointment to guide product strategy

Mecalac Construction Equipment UK (CEUK), has appointed Nadim Islam to the role of Product Manager Specialist for its class-leading range of site dumpers and compaction rollers.

Based at the company's production headquarters in Coventry, Nadim will work closely with Mecalac's in-house engineering department to drive innovation, strategy and product improvement.

A graduate of Aston Business School, Nadim holds a strong track record in delivering

commercial growth through effective leadership and strategic planning.

Previous experience includes a product management role at electrical goods manufacturer Vax, as well as international retail and trade marketing experience.

As part of his new role, Nadim will be responsible for laying out a strategic roadmap and leading a cross-functional team to deliver continued product innovation for the global construction market. Alongside performance and productivity, this will include a focus on on-site efficiency, emissions compliance and sustainability.

Titan ripper tooth and Tefra coupler make their mark on Hall Construction

A ripper tooth from Hill Engineering, fitted to one of just a few 75-tonne crawler excavators in use in the UK, is enabling Hall Construction Services to operate twice as fast at the only active gypsum quarry in the country.

The gypsum quarried is used in the production of high-quality plaster products for applications such as ceramics, the food industry, brewing, decorative work, medical and dentistry.

The heavy-duty Hill Titan ripper tooth, combined with the manufacturer's fully-automatic Tefra coupler, is chomping through 4,000m² a day, twice the amount that would have been possible with a 4m³ rock bucket.

The Tefra coupler is also enabling faster attachment swaps between the Titan ripper tooth and loading bucket which is used to dig seams of gypsum between 100mm and 300mm thick, leaving anything between 300mm and 600mm to be blasted.



Hall Construction Services' project manager Robert Hall explained they had decided they needed a ripper and quick hitch for a Volvo EC480 crawler excavator they were using at Saint Gobain's open cast gypsum mine near Newark in Nottinghamshire which

produces nearly 500,000 tonnes of the material every year.

But the machine was not big enough so they ordered a Tefra coupler and Titan ripper tooth for their Volvo EC750.

"It was a bit of a gamble because there aren't many applications for an EC750 ripper and it might not have worked but it has certainly paid off. It is a fantastically designed ripper tooth. It cuts through rock like a knife through butter," said Robert.

Latest Komatsu Backhoe Loader Launched

Efficiency, reliability and versatility are words being used by Komatsu to describe its new WB93R-8 backhoe loader, just launched internationally and now available for sale in Ireland.



With its distinctive Komatsu branding, the new unit is said by them to be 'a perfect match

between performance and efficiency'. First in a new range that comes powered by a EU Stage IV emission-compliant engine, its many features include an operating weight of 8,130 kg, increased power output to 75 kW /102 hp gross, lower noise and lower fuel consumption with no loss of performance or productivity.

Helping to deliver these fuel savings and reduce engine load when maximum cooling is not required is a viscous fan clutch, while its selective catalytic reduction plant uses an after-treatment system to reduce NOx emissions and offer better protection to

operator and bystanders. Other core features are Komatsu's proven closed load-sensing

hydraulics, power/economy modes, and the manufacturer's exclusive parallel loader linkage – said to be useful when working with forks.

A standard 'return to dig' function, differential lock and a selectable floating loader function also combine to make what Komatsu distributor in Ireland, McHale Plant Sales, says is a 'premium package' for any customer.

Commenting, their sales director, John O'Brien added: 'with its exceptional visibility and the exclusive design of its work equipment, the new WB93R-8 delivers increased productivity with a clear focus on the operator's needs.'

Safety elements include anti-burst valves, a new 'engine shutdown' switch, and a new optical seat belt alarm. Comfort items include a redesigned switch console, a new accelerator pedal and fuel dial, and standard air seat. Battery, main switch and relays are conveniently located. Better access to its electrical system and diesel additive refill tank are amongst the changes.

Overall, its compact dimensions and refined contemporary styling combine with KOMTRAX 3G technology and a new multi-function colour monitor with 15 built-in languages to round off the list of features present in the new WB93R-8.

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FTMTA debut for new John Deere forager

John Deere's new 9000 Series self-propelled forage harvester recently made its FTMTA Farm Machinery Show debut, alongside 5R, 6M and 6R Series tractors plus a CommandPRO joystick display, F441R and C441R fixed chamber round and wrapping balers and the latest XUV 865M Gator utility vehicle.

The 9000 Series combines the latest forage harvesting technology with several efficiency enhancing developments to form the basis of John Deere's new HarvestMotion concept, which significantly increases throughput and enables industry leading fuel economy.

Performance improvements of up to 10 per cent have been verified through numerous

field tests conducted by both John Deere and several independent research institutes.

There are four new series SPFH models from 625 to 970hp, with the top of the range 9900 powered by a new 24.2-litre V12 Liebherr engine with striking twin exhausts, which provides outstanding torque capacity and copes easily with peak loads at lower engine speeds, even beneath 1400rpm.

The large crop channel width of 850mm is designed to handle the foragers' higher throughput, to ensure the best possible forage quality and chopping efficiency.

UFU launch Rural Crime Survey to members

Rural crime is an increasing and costly issue for farmers across Northern Ireland. The Ulster Farmers' Union is asking its members to complete a short survey in order to gain an understanding of how its members view the issue of rural crime and the official response they receive when reporting incidences.

Deputy president, Victor Chestnutt, says that while rural crime tends to be lumped together as a single problem it varies greatly in terms of cost and the psychological impact on farming families.

"At one level it's about petty pilfering and opportunist theft. However, what really unsettles people in remote areas are planned thefts of machinery or livestock. Another unwelcome addition to this problem is when it involves violence or threats to families," said the UFU deputy president.

The UFU says that while it recognises the efforts of the PSNI and the Rural Crime Partnership in recent years, they are limited in terms of the resources they have available when it comes to controlling a problem, which has proved itself as being a major scourge on our countryside.

"Despite these efforts farmers continue to remain disappointed that when criminals are brought before the courts, sentences imposed upon them rarely reflect the impact of these crimes.

"This is why we are undertaking this survey and encouraging as many members as possible to take part. It is wide-ranging, but simple to complete. We want to establish how many families have been victims of rural crime, where in Northern Ireland these crimes occurred and whether there is a pattern as regards the value of the items stolen. We want to know more about people's experience of reporting

these crimes to the PSNI and why some people choose not to report these crimes, and whether that reflects a belief that they are not taken seriously," said the UFU deputy president.

He added that it would be a bad day for rural communities if people believed reporting crime was little more than a tick box exercise. "Tackling this problem has to begin with understanding it better and that is why we are encouraging members to take part in our survey."

You can access the survey by visiting: www.ufuni.org



John Deere updates 5R Series tractors for 2019

John Deere has announced several updates to its 5R Series tractors from 90 to 125hp, designed to increase their versatility and suitability for small and medium sized livestock and arable farms.

To improve their connectivity for precision farming operations, from spring 2019 the tractors will be available AutoTrac and ISObus-ready. JDLink telematics will also be available ex-factory, together with a remote display access (RDA) five-year subscription.

Other new features include an extendable pick-up hitch with hydraulic push-back through the rear SCVs to improve rear visibility, and variable ratio steering (VRS).

This requires AutoTrac for operation and is selectable through a dedicated switch on the tractor cab's B-post.

The 5R Series combines a one-piece curved frame design with a low centre of gravity and has a turning radius of just 3.75m for



excellent manoeuvrability, even when fitted with a front loader. For loader operation there is a choice of mechanical or new E joysticks, both linked to the tractor seat, and rear lift capacity is 4.7 or optionally 5.3 tonnes.

In addition, and designed for use in narrow row crops, other specialist crops and vineyards, 5RN Series tractors feature a minimum width of 1.7m, a narrow cab and mechanical front wheel drive.

McCormick X8 VT-Drive Makes its Debut in Ireland

The biggest, most powerful tractor ever to carry the McCormick name was exhibited for the first time at the FTMTA Farm Machinery Show at Punchestown Event Centre, Naas, Co Kildare.

Distinctive styling adds to the sheer presence of this 10.8-tonne, 310hp tractor, which is clearly aimed at large tillage farms and contractors operating cultivations and high-output grass harvesting equipment, who need a power unit that can turn its hand to transport operations as well as heavy field work.

Will Doyle, McCormick area sales manager for Ireland, highlights the tractor's unique combination of proven powertrain and other components.



"You have a bullet-proof ZF stepless transmission coupled to an FPT engine renowned for its power and torque characteristics and efficient use of fuel, plus a Carraro suspended front axle and Bosch Rexroth

hydraulics, so its technical credentials are second to none.

"These are topped off by a cab designed, engineered and built by McCormick manufacturer Argo Tractors to

provide a comfortable working environment and a commanding view all around the tractor."

With seamless speed control from the VT-Drive stepless transmission, high capacity 5.5-tonne front and 12-tonne rear lift linkage as standard, and large tyres helping put the power down, the new McCormick X8 tractor can tackle a range of demanding tillage and grassland work.

Ploughing, cultivations and drilling for tillage crops, operating a wide triple mower-conditioner or large self-loading forage wagon for harvesting grass.

Also on show at the FTMTA event was the newly-launched 141hp McCormick X7.440 P6-Drive four-cylinder tractor making its first appearance in Ireland. "This tractor provides a four-cylinder higher horsepower solution for the mixed enterprise farmer, with the capability to adjust to the work load," says Will.



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As experts in farm management equipment for feeding, slurry management and grass care, Abbey Machinery is helping customers improve their efficiency with a range of new applications that form a 'total cow' management system.

These include flow control on tankers for precise slurry spreading, precision diet feeders that track input use, costs and waste and grassland management.

The Irish agritech company based in Tipperary, has more than seven decades of experience in manufacturing agricultural equipment and exports 60 per cent of its products – with the UK as the biggest overseas market.

"Ireland is an island, so there is only so far we can expand here, it's been our strategy to further expand exports to other countries," says Michael O'Grady, Head of Sales, Marketing



and Business Development at Abbey Machinery.

"Abbey Machinery has a long history of trade with the UK. We have similar landscapes, systems of farming, management approaches – and of course there is the shared language and proximity. The UK was the first foreign country we sold to more than 30 years ago and it continues to be our biggest overseas territory."

The company manufactures 88 product lines (across 7 product groups) in a variety of sizes to suit different markets, and is agile in its approach to varying market needs. As well as exporting to the UK, it sells to international territories including Europe, Australia, New Zealand, Asia, the Middle East and Africa.

"One of the benefits of selling to different countries is that we can learn something new and apply that knowledge to the

next iterations of products," says Michael. "In the UK, there has been a particular requirement recently for larger machines for the more professional farmer/contractor and there are now more queries regarding the live sensing of slurry equipment to know and apply exacting quantities of slurry based on field and crop requirements."

Although Abbey Machinery is a well-established Irish agriculture manufacturer and retailer, the company is pleased to gain assistance from Enterprise Ireland. "They are excellent and help us to research new territories and explore market needs and opportunities. They help by guiding us and giving us proper focus and they are always enthusiastic in their support," says Michael.

Shauna Higgins, Market Advisor for Enterprise Ireland's agritech sector, says: "A company such as Abbey Machinery is a great example of how a forward-thinking attitude can create great products that improve efficiency in agriculture which not only is good for farmers but will ultimately benefit consumers and our environment."



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Takeuchi TB219 sold to Peter Lawson in Lisburn by Alan Milne Tractors Newry.



Parkes Hire collecting their new 2019 Genie GS-1932.



Bann Hire with the new ML25D, sold by Northern Lift Trucks.



A new Adler K600/180 Sweeper for WS Dennison, from Ballyward Plant Services.



Takeuchi TB230 ready to be delivered to DR Utilities in Keady Co Armagh by Alan Milne Tractors Newry.



New Wacker Neuson RD 7E walk behind tandem roller recently sold to O Gorman Tarmacadam, Co Clare.



Jonathan, Peter, Lucy Hamilton and Holly the dog from Magherafelt taking delivery of their new Manitou MLT635-130 LSU PS, sold by Northern Lift Trucks.



New TR340 compact track loader supplied by Cowan Bros to SPR McGowan Tree Services, Islandmagee.



New Komatsu D65PX-18 sold to Vincent Dempsey by McHale Plant Sales Ltd.



New Case CX145D supplied by Cowan Bros to Larkfield Developments, Belfast.



2 x Hitachi ZX135US-6 - Lynch Brothers, Buncrana sold by TBF Construction Machinery Dublin.

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Two new Mecacac TA1EH dumpers sold to Garden Escapes.



A new Giant D337T HD Xtra for KC Hire, from Ballyward Plant Services.



New Yanmar V1050 supplied to Donegal hire from Crumlin Plant sales.



2 x New Hammer Sb 100 breakers to fit 3 ton mini excavators sold to Kirrane Plant Hire, Co Mayo.



New Hammer FX 2000 2 ton breaker recently sold to Gaelic Plant Hire.



Trio of new machines for Gortlee hire letterkenny from crumlin plant sales, new Yanmar V1050, Yanmar SV26 and messursi track dumper.



kubota u27-4 sold to Raymac hire ltd.



A new Truxta B450-G for G Force Contracts from Ballyward Plant Services.



David Graham, Lisbellaw with new 630-105 Elite, sold by Northern Lift Trucks.



New Yanmar V1026 and new Yanmar SV16 supplied to Dromad hire from crumlin plant sales.



A new Giant SK Mini Skid Steer loader for J Coakley Groundworks, from Ballyward Plant Services.



1 off 2no. New Yanmar V1082 supplier to Haven hire from Crumlin Plant sales.



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Takeuchi TB230 being delivered to Tool Hire Centre in Newcastle by Alan Milne Tractors Newry.



A new Truxta B300-E for Artec Construction from Ballyward Plant Services.



New Yanmar VIO57 for Marcor construction supplied by Crumlin Plant sales.



New Case CX80C supplied by Cowan Bros to CJM Groundworks, Larne.



Kubota KX027-4 sold to Rahoran Ltd by D.A Forgie.



Takeuchi TB290 delivered to Kilbroney Timber Frame in Rostrevor Co Down by Alan Milne Tractor Newry.



2 x Hitachi ZX13US-6 - Eves Construction Ltd, Kilcock, Co Kildare sold by TBF Construction Machinery Dublin.



New Komatsu Hybrid HB365 sold to Murphy's by McHale Plant Sales Ltd.



New Chicago Pneumatic CPS 3.5 130 cfm compressor recently sold to Tarstone Tarmacadam, Co Meath.



Takeuchi TB216 to be delivered to BWM Groundwork in Carrickfergus by Alan Milne Tractors Newry.



1 of 7 Hitachi ZX130LCN-6 - Office of Public Works, Kilkenny sold by TBF Construction Machinery Dublin.

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Hitachi ZX135US-6 - Power Grid Civils, Omagh sold by TBF Thompson (Garvagh) Ltd.



The first of the new Merlo TF35.7CS model sold to Trevor Carter by McHale Plant Sales Ltd.



Takeuchi TB235 collected by Drummondreagh Ltd Co Monaghan from Alan Milne Tractors Newry.



1 of 2 new Komatsu PC30MR-5 sold to Careys by McHale Plant Sales Ltd.



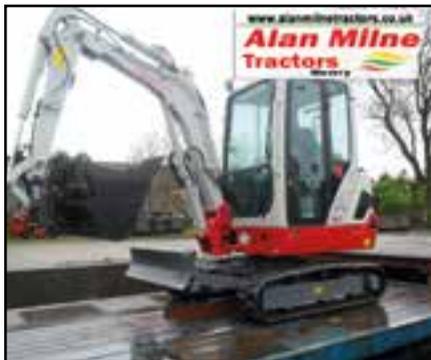
Another new Yanmar SV18 for NMG Contracts from Crumlin Plant sales.



A new Truxta B300-G for O'Keefe Hire, from Ballyward Plant Services.



New Case SR210 supplied by Cowan Bros to Mr W Holmes, Benburb.



Takeuchi TB225 on its way to ABC Hire in Naas Co Kildare sold by Alan Milne Tractors Newry.



New Case CX130D supplied by Cowan Bros to Arona Developments, Waringstown.



New Metso Lokotrack LT106 crusher recently delivered to McCabe's from McHale Plant Sales Ltd.



Rossmore collecting 1 of 2 new Komatsu PC210LC-11 sold by McHale Plant Sales Ltd.



New Komatsu Forest 855 Forwarder sold to McKelvey Timber Harvesting by McHale Plant Sales Ltd.



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A new Hydrema 922F for ISME, from Ballyward Plant Services.



Takeuchi TB250 sold to JN Hire in Kilkeel Co Down by Alan Milne Tractors Newry.



Hitachi ZX530LCH-6 - R A O'Neill Plant Hire Ltd, Dunloy sold by TBF Thompson (Garvagh) Ltd.



James Cole Robin Hill with new MT625 sold by Northern Lift Trucks.



Gary Devlin of Greystone joinery receiving his new Messursi high tip track dumper from Drew at Crumlin Plant sales.



New Case CX80C supplied by Cowan Bros to Total Site Worx, Claudy.



New Case CX130D supplied by Cowan Bros to P & V McKavanagh, Crumlin.



MLT741-140V+ sold to Nugents Estate, Portaferry, by Northern Lift Trucks.



New Merlo TF33.7-115 sold to Martin Flynn by McHale Plant Sales Ltd.



3 of 4 new Trime Xeco light towers sold to Dermot Casey Plant Hire, Co Cork.



Hitachi ZX135US-6 & Thwaites 10 tonne - McBride Contracts Ltd, Kilrea sold by TBF Thompson (Garvagh) Ltd.

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New Case 821G supplied by Cowan Bros to Wilson Salt, Belfast.



Howley Civils collecting 2 of their 3 new Komatsu PC138US-11 purchased from McHale Plant Sales Ltd.



Takeuchi TB2150 delivered to Lucol Ltd in Ballibrack Dublin by Alan Milne Tractors Newry.



George Bolster with the new SK140SRLC-5 delivered to Tom Bolster Agri & Plant Hire, Co. Waterford from McSharry TRACK.



Michael Timon, Co. Roscommon with this new SK30SR-6 from McSharry TRACK.



John Blake, Blake Concrete Services, Co. Wicklow with his new SK28SR-6 from McSharry TRACK.



Hitachi ZX210LC-6 & Hitachi ZX135US-6 - Atmac Construction Ltd, Beragh, Omagh sold by TBF Thompson (Garvagh) Ltd.



Takeuchi TB230 delivered to Pat Hefferan in Kilcolgan Co Galway by Alan Milne Tractors Newry.



1 of 2 Hitachi ZX19U-5 - Fima Developments, Newbridge, Co Kildare sold by TBF Construction Machinery Dublin.



Robbie Sr, Padraig, Robber Jr and his young lads (RJ McCann & Sons, Co. Tyrone) with their SK140SRLC-5 from McSharry TRACK.



Eoin Travers with this new SK28SR-6 from McSharry TRACK.



SK210LC-10 delivered to B&M O'Brien Brothers Ltd., West Cork from McSharry TRACK.

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