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MAY-JUN 2019

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If ever we needed confirmation that our industry is successfully confronting the many challenges of the day just take a look at our preview of Plantworx 2019. The exhibition, which takes place in Peterborough this month (June), has attracted no less than 120 companies who will be making their show debut – that's on top of regular exhibitors, so it promises to be another record-breaking event.

On another positive note, the Construction Equipment Association's latest Sector Report on the UK construction equipment industry reveals that the current political upheaval has not had a direct impact on sales. The report shows record revenue for the industry in 2018, with sales of £13bn, making the UK the largest producer of construction equipment in Europe in 2018, and the 5th largest in the world.

However, closer to home, while the political parties at Stormont are finally getting around the table, and not before time, there are some concerns as the recent PMI published by the Ulster Bank shows that business activity, new orders and employment have all fallen; hopefully the situation will improve in the months ahead – certainly plant and machinery exhibitors at the recent Balmoral Show were in an upbeat mood.

Meanwhile, there's good news from Ireland's Construction Industry Federation who report that 10,600 extra workers joined the Irish construction workforce in 2018, up 8% year on year and bringing the total workforce to 145,500. In this issue we put the spotlight on a number of local companies who for various reasons have plenty to celebrate, including contractors AG Wilson, CP Hire, Embankment Machinery Sales (EMS), Sleator Plant, CDE and Kellys Point Hire. Our 'View from the Cab' series takes a look at the latest LiuGong 950E excavator and Hidromek's 102B Supra Backhoe Loader, and we also report on Terex Trucks' upgraded TA300 hauler and DAF's expanded range for the construction industry.

Before we go, we would draw your attention to our forthcoming annual Plant & Civil Engineer Golf Masters at the Faldo Championship course at the Lough Erne Resort; we hope to see you there - and don't forget to enter our 2019 Plant, Construction and Quarry Awards; you'll find all the details on how to do so in this issue.

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



Coffey Northumbrian gets ultra-SMART about pressure testing with Groundforce

A next-generation data logging system from specialist construction services supplier Groundforce is helping to get pressure tests and certification for a major water main network refurbishment completed in double-quick time.

Groundforce's new SMART pipe testing system is being used by main contractor Coffey Northumbrian on Irish Water's national leakage reduction programme, specifically in the South and South East regions. The programme sees €500 million invested over the next four years to reduce the high level of leakages across the country by fixing or replacing ageing water mains.

Their target is to save approximately 166 million litres of water per day - enough water to fill 66 Olympic-size swimming pools. But equally, it will help ensure a safe, reliable water

supply which is vital for the country's health, environment and growing population and economy.

Pressure tests are required when a new main is installed, to confirm that no leaks exist. The most commonly specified test standard, the IGN Type 2, requires the water main to be tested to 1.5 times its maximum operating pressure – usually over 10 bar.

For PE pipes, this pressure causes the main to expand, with a consequential drop in pressure. This loss in pressure is recorded over time using a data logger, with the results downloaded manually at the end of the test and plotted on a graph to determine whether or not the test has passed.

But this method is quite time consuming as the result is not known until sometime after the test is complete, and should the new main fail, it requires time to rest before re-testing, with the

required rest period being three times the overall test time. In some cases, this can be days.

Coffey Northumbrian are now using Groundforce's new SMART data logger, which links with smart phones via an App and is fully compliant with IGN requirements, on a large number of water projects in Ireland.

Cathal Kerrigan, Coffey Construction operations manager said: "We were very impressed with the SMART system. It's very easy to set the logger up with the test equipment and very quick to get the results. Every test we have done was witnessed by an employer's representative and after each test I was able to download the test certificate immediately through the Groundforce website and have it signed off on site.

"This was a real benefit and meant that payment for that particular length of mains



could be applied for that same day. Groundforce were very helpful and were at hand to deal with any technical issues and guidance required."

The App takes users through the test set-up on screen, providing real-time data and an early warning in the event of a failure. Then once the test is passed, an independently-verified test certificate is available to download. Key features also include failure analysis, recommendations, GPS location data and images.

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Solix acquires Steelwrist and SVAB Hydraulik

The Swedish investment company Solix has acquired all shares in Terratech AB, with the daughter companies Steelwrist and SVAB Hydraulik.

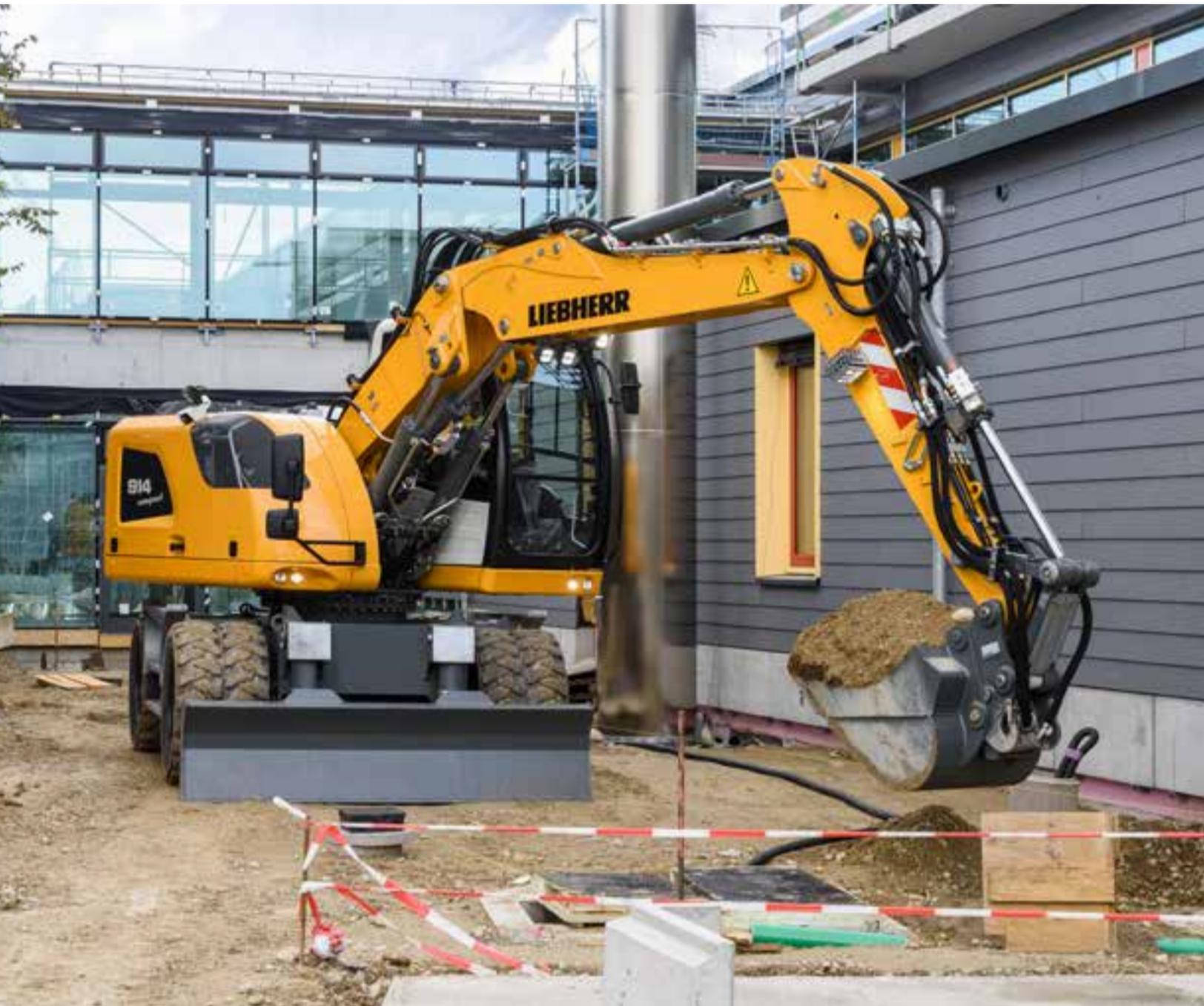
Steelwrist is today a world-leading player in the market for tiltrotators, quick couplers and work tools for excavators, while SVAB Hydraulik is the market leader in control systems for tiltrotator and work tools, also mainly for excavators.

The acquisition is part of Solix's strategy to acquire Nordic industrial companies with a strong product portfolio and with significant international growth potential.

Both Steelwrist and SVAB work closely with several excavator manufacturers and the focus on OEM business will remain in the future.

"We have a very good and forward-thinking cooperation with our OEM customers. Our tiltrotators and quick couplers are increasingly mounted on the excavator directly from our customers excavator factory and with this we are able to support our own and our OEM customers' international expansion even faster. Also product development together with our most important customers will continue to be very high on the agenda," says Stefan Stockhaus, CEO of Terratech and Steelwrist.

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Fastrac Prototype Snapped Up by Enthusiast at JCB Auction

A significant piece of tractor engineering history was snapped up when Fastrac enthusiast Johnny Hamill made a flying visit from Northern Ireland to attend one of JCB's regular plant auctions.

Among the ex-demonstration JCB Fastrac and other machines listed in the sale catalogue, it was the P5 prototype that caught Johnny's eye – just a day after returning home from buying a Fastrac 145-80 he plans to restore.

He explained: "Although we're now electrical and civil engineering contractors, we used to do a lot of agricultural contracting with a Fastrac 145-80 and after we sold it I always promised I'd buy another sometime and do it up.

"I'd just bought a nice example in Essex when my nephew Paidi told me about the Fastrac prototype for sale at the JCB auction and I flew back to bid for it."

His successful bid secured JCB Fastrac P5, the fifth prototype



Johnny Hamill (centre) and his nephew Paidi Hamill meet Paul Hemingway, who was part of the JCB team that launched the Fastrac in the 1990s.

of the revolutionary tractor to be built in the late 1980s before the final design went into production in 1991 with a unique combination of features still unmatched today.

Front and rear axle suspension, truck-standard air braking with external discs all round, space behind the cab for carrying demountable sprayers, and a faster road speed than other

tractors made it a uniquely productive machine for farm transportation. Extensive tests and early user experience also showed the Fastrac to be a very capable performer in the field with a cultivator, seed drill or set of rolls, giving it a broad range of capabilities as a farm tractor.

That successful concept has been maintained and enhanced over the years with the addition

of four-wheel steering, an anti-lock braking system and a highly efficient continuously variable transmission – as well as a lot more power.

Today's Fastrac, comprising the 175-235hp 4000 Series and 306-348hp 8000 Series, is widely recognised as being a consummate all-rounder, providing unrivalled operator comfort for less tiring days in the seat and performance that is more than a match for conventional tractors across a range of field and transport applications.

Johnny plans a bare chassis rebuild for the Fastrac 145-80 he's just bought but just a sympathetic refurbishment for P5.

He said: "We'll probably overhaul the engine and transmission and tidy the cab and bodywork but I think it otherwise needs to stay original as a machine that paved the way for the great production tractors that followed."

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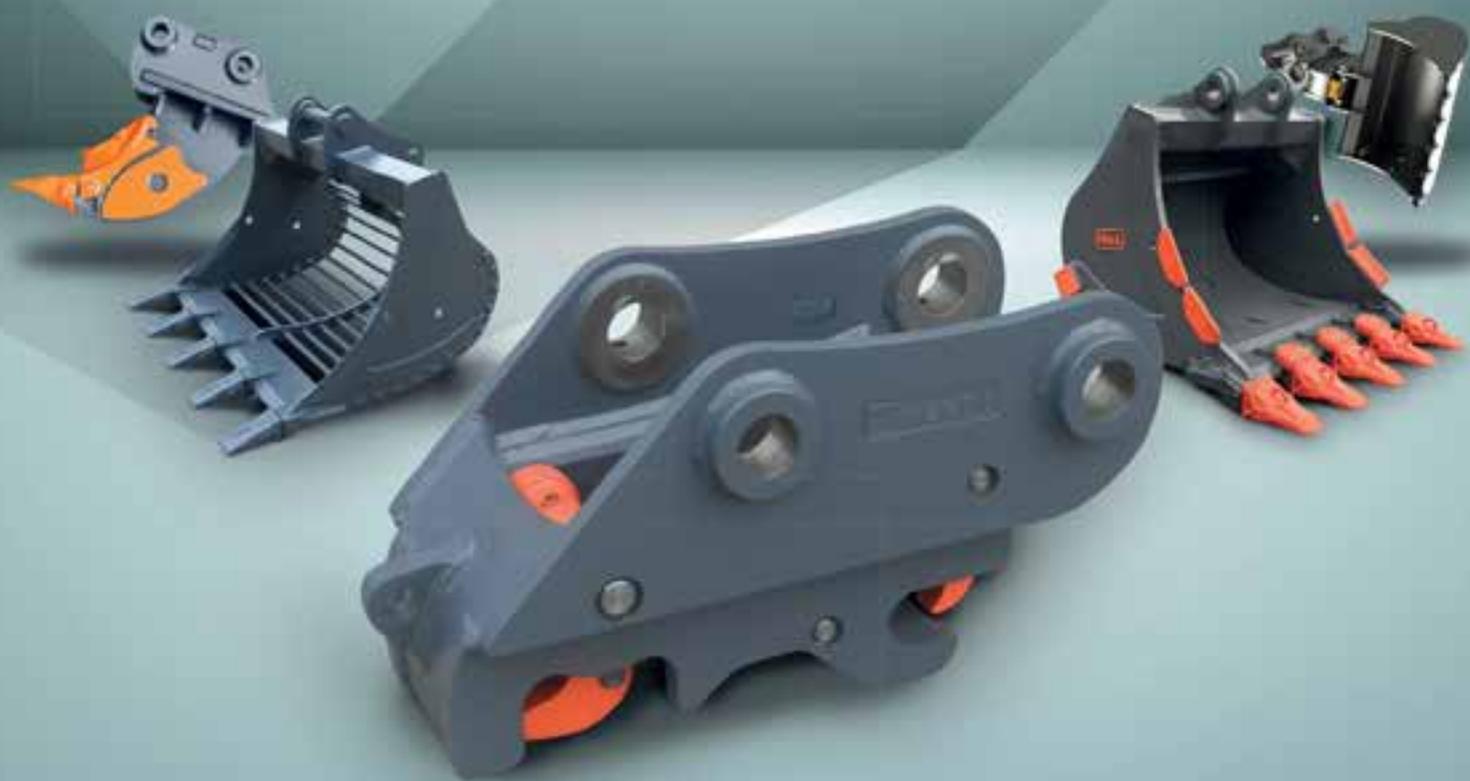
£2.6 Million Investment to Protect Larne Water Supply Completed

NI Water has completed the new £2.6m Killylane Water Trunk Main in Larne; Dawson WAM was the contractor for this major scheme, with Capita providing technical and project management support.

The new main was laid in two phases from the Castle Road/ Castletown road along the Ballyfore road & Crosshill road to Crosshill Service Reservoir on Tureagh road outside Raloo and will improve the resilience of the water supply in the area.

Work on the final phase started on site in October 2018 and was completed ahead of schedule in late April 2019.

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Sleator Plant secures multi-million-pound dumper deal

Sleator Plant has secured a million-pound deal with CP Hire to add 95 Mecalac site dumpers (85 ROPS models, 10 cabbed units) to its fleet in 2019.

Set to be rented by site professionals across the British Isles, this move will not only considerably expand fleet size, but also increase availability of the latest dumper models and equipment technologies.

Jonathan Campbell, Dealer Principal at Sleator Plant, commented: "Over the past two years, we have supplied CP Hire with more than 250 Mecalac site dumper units. This is not only testament to our close working relationship and customer care provision, but also the high quality of Mecalac's earthmoving equipment.

"The latest agreement was negotiated in a matter of days – almost unheard of for a deal of this size! We are very fortunate to have a strong partner in Mecalac, as the team appreciates the importance of tight production timescales and was able to

guarantee delivery - for the entire order - in Q2 2019."

John Rawnsley, Managing Director of CP Hire (GB) Ltd, added:

"Sleator Plant is our first point of call when it comes to ordering rental-tough compact site equipment. The Mecalac portfolio is highly versatile, allowing us to offer various solutions to fit our customers' exact needs.

"Our latest site dumper order comprises a mix of one, three, six and nine-tonne ROPS models, alongside a number of Mecalac's new MDX cabbed units. Our experience with Mecalac equipment has always been first-rate, while the team at



Sleator Plant have always gone above and beyond to exceed our expectations."

Paul Macpherson, UK Sales and Marketing Director at Mecalac Construction Equipment UK Ltd, concluded: "We are committed to working closely with our dealer network to provide state-of-the-art construction equipment. Seeing loyal customers like CP Hire returning to our dealers is a real testament to the reliable service they receive."

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Contract awarded for Cork to Limerick Road Improvement Scheme

The Contract has been awarded for the biggest infrastructure project outside of Dublin- the N/ M20 Cork to Limerick Road Improvement Scheme.

Limerick City and County Council, as lead authority for the massive project, has appointed Barry Transportation, and its project partners WSP and Sweco, as Technical Advisors to progress the scheme up to the stage where it will be submitted for planning.

Limerick City and County Council is working in partnership with Cork County Council, Cork City Council, Tipperary County Council, the Department of Transport, Tourism and Sport and Transport Infrastructure Ireland on developing the N/ M20 Cork to Limerick Road Improvement Scheme, which is part of Project Ireland 2040.

Project Ireland 2040 states that an opportunity exists to provide

better connectivity between the two cities by improving the quality of the transport network which will address road safety issues associated with the existing N20 route and provide for safer and more efficient journey times.

The two cities are approximately 100 km apart yet at present the economic interaction and inter-relationships between the cities is limited with poor transport connectivity being a factor.

Once completed the second, third and fourth cities of the country (Cork, Limerick and Galway) will be connected through a quality transport network.

Planning and design will commence this month, with Barry Transportation, WSP and Sweco, providing all engineering, environmental, economic and appraisal services required to deliver the project through these planning and design phases.

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Gyproc continues Monaghan investments with new work at Knocknacran quarry

Following a competitive tendering process, Gyproc Ireland, which mines gypsum at Knocknacran quarry for use in its factory in Kingscourt, has announced the awarding of an important new contract to Wills Bros. Ltd.

Wills Bros are one of Ireland's leading civil engineering contractors with experience in large scale infrastructural, industrial and earthworks projects. The contract with Gyproc covers the next phase of land works and ground works at Knocknacran quarry and is part of Gyproc's long-term investment in the local area.

This new contract marks the 2nd stage of a multi-million-euro investment in Knocknacran and the works being done



by Wills Bros will help to ensure the Gyproc factory at Kingscourt continues to have access to a supply of gypsum rock from within Ireland.

Gypsum is a core ingredient used by Gyproc to produce plaster and plasterboard for use in Ireland's construction sector across residential

and commercial buildings. Gyproc is the only company to mine and manufacture plasterboard in Ireland and has been mining in the Monaghan area for over 80 years.

The completion of the contract will support significant employment during the period of these works of up to 40

people primarily involved in operating and maintaining heavy plant and machinery. The area where the works are planned include lands owned by Gyproc which are currently being considered for potential suitability for a new state-of-the-art sports and community facility in Magheraclone.

Brian Dolan, Managing Director Gyproc, stated: "The awarding of this contract to Wills Bros. Ltd. is significant for Gyproc as it will ensure we have long term access to some of the necessary raw material to continue meeting demand for Gyproc products used in buildings right across Ireland. The gypsum mined from our lands is transformed into our market leading plaster and plasterboard at our Kingscourt factory, the only such plant in Ireland.

"Being able to mine and produce plaster products wholly in Ireland makes an important and positive contribution to both employment and the economy. We are doubly pleased that winning tenderer in this process is an Irish company and already active in the area."

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SHANNON VALLEY UNDERTAKING MAJOR DEMOLITION PROJECT IN DUBLIN CITY CENTRE

As one of the largest Civil Engineering and Demolition contractors in Ireland, the Shannon Valley Group has undertaken many prestigious schemes down through the years, none more so than their latest challenging demolition project in the busy city centre of Dublin.

Various teams from the Shannon Valley Group are virtually working round the clock to ensure both public safety and the preservation of one of O'Connell Street's most iconic facades, the former Clerys department store.

It is over four years since the 165-year-old building was vacated; it was subsequently bought by a European investment group and its partners for more than €60m.

Because of the significance and sensitivity of the site which also borders on Marlborough Street, Sackville Place, North Earl Street and Earl Place, the lengthy process to demolish and redevelop it is both complex and challenging.

Once the Shannon Valley team has completed its task in 'soft stripping' and demolishing part of the huge building, construction and restoration work will get underway, creating hundreds of jobs.

The new development, to be called 'Clerys Quarter', will include retail space, offices, restaurants, an events venue and a 176-bedroom four-star hotel – and



significantly, the building's many historic and architectural features will be restored, including the colonnaded façade, internal staircases, columns and ceilings, the tea rooms and the famous Clerys' clock.

With a completion date set for 2020, teams from Shannon Valley were quickly employed by the main contractor Glenbrier Construction to demolish the present structure; the first phase of what is an eight-month project, the soft strip, has already been finished, with work on the main demolition now underway.

Shannon Valley contracts manager Alan Flynn explains: "The main demolition is focusing on two interconnected warehouses, one two-storey and the other three-storey. It also involves removal of a double storey links bridge which connects the warehouses onto the original building

across Earl Place. And lastly the five-storey building where the original Sky Café was situated which was a 1970's add-on, leaving the original basement intact."

"The remaining works will be the demolition of five stair cores and lift shafts including the escalator and infill section below the atrium which existed in the original 1920's scheme, before the additional floor was added. The added roof will also be removed peeling it back to the original roof in the 1920's build."

There have been some challenges along the way. Because the offices of Dublin Bus are located adjacent to the warehouses, work on demolishing the link bridge and warehouses had to be carried out after 11pm each night due to obvious health and safety issues.

Another challenge was the fact the structure of the link bridge and the warehouses included a lot of steel encased in concrete which had to be cut, and because of the close proximity to other buildings, including a couple of 18th century Georgian townhouses, some of the demolition work has to be done by hand.

Two old buildings at the rear of the warehouses facing on to Marlborough Street have been stripped down and converted into offices to accommodate Shannon Valley personnel for the duration of the project.

Soft Strip

The soft strip included the removal of all fixtures and fittings, electrical wiring and piping, floor coverings, shelving and other materials from what is said to be the equivalent of seven acres of floor space. Another major issue was the presence of asbestos, the removal of which necessitated the deployment of a specialist contractor.

Care has had to be taken to ensure anything of architectural interest within the building has been retained so that it can be eventually incorporated into the new development.

At its height, this part of the project, which began in February, has involved up to almost 30 members of the Shannon Valley team, using an array of equipment ranging from jack hammers, core drills, concrete saws, alloy scaffold towers, Brokk's, rubber duck, excavators, mini



THE SOFT STRIP, HAS ALREADY BEEN FINISHED, WITH WORK ON THE MAIN DEMOLITION NOW UNDERWAY



diggers and long reach machine with breaker, shears and muncher attachments.

All materials from the soft strip – including timber, plasterboard, metal, glass and general demolition debris - has had to be carefully segregated and then transported from the site on artic and rigid trucks to recyclers and waste management companies across the country for reprocessing or disposal.

“To give you an idea of the scale of the operation, so far we have taken out in excess of 50 loads of timber, 50 loads of metal, 25 loads of mixed waste and 10 loads of plasterboard, in addition to 20 loads of demolition debris,” says Alan Flynn. “And all this is one of the busiest areas of Dublin city centre.”

He adds: “The logistics of physically carrying the material from the building to a secure point outside where it could be safely loaded on to the trucks was another key challenge of the soft strip; it was also a time-consuming process.”

It may not be the biggest project undertaken by the Shannon Valley Group, which was established almost 30 years ago, but it is certainly one of the most satisfying

as it is contributing to the restoration and regeneration of one of Dublin’s most well-known and recognised landmarks.



**As we went to print, work on demolishing the main building was progressing rapidly, a report on which we will carry in a subsequent issue of Plant & Civil Engineer.*

New Range C and T Rock Up at Loughran Rock Industries

Loughran Rock Industries (N.I.) Ltd, a leading provider of crushed stone, concrete blocks and ready-mix concrete in County Armagh, has added two Renault Trucks Range C430 8x4 tippers, fitted with Farlow Steel bodies, and one Range T480 6x2 tag tractor unit to its 30-strong fleet.

The new vehicles join the company's bulk aggregates operation, moving materials including stone within a 30-mile radius of Armagh.

A previously positive experience with Renault Trucks and the local dealership in Northern Ireland, Diamond Trucks, was central to their latest decision, as Director Gary Loughran explains: "We took a couple of Range C430 8x4 mixers complete with IMER Bottles last year which have worked well in our operation, so we looked to Renault Trucks again when we wanted some new vehicles."

Gary is full of admiration for the Renault Trucks dealer: "We've



found Diamond Trucks to be a great business partner and very straight forward to deal with. Their back-up service and aftersales packages on offer, including 5 year R+M with the work carried out at local service point Toal Truck Services, is second to none and was one of the key reasons we selected the Range C and T. They just take any hassle away so that we can concentrate on getting the job done."

As well as top-notch vehicle performance, looking good on the road is also important to

Loughran Rock as Gary explains: "We always take pride in our appearance and the trucks are hard-working ambassadors for our brand, reflecting our attention to detail that permeates right through the core of our business. The new Range Cs and T are part of our ongoing investment into the fleet, ensuring that we keep up-to-date with the latest technology but also look good in our distinctive red and cream livery."

The T480 6x2 tag comes with Night & Day cab and Renault

Trucks' DT113 engine that produces a maximum torque of 2400Nm from 950rpm to 1404 rpm. It was the manoeuvrability of the tag axle that particularly appealed to Loughran Rock: "It's just what we require for our operation as some of the sites we go to can be tight for space and we need something with plenty of grip and power. The T480 copes with the challenging terrain and is good for tight corners and gives us the traction we need too," says Gary.

Both the T and Cs are equipped with a 12-speed Optidriver automated transmission system. The C430 tippers, giving an unladen weight of 9200kg, are some of the lightest 8x4 rigs on the market and offer an impressive body and payload allowance of up to 22.8t.

Achieving sizeable fuel economy was also a factor: "Fuel consumption is important to our business and we are getting around 6.5mpg from the Range T and Cs, which is pretty decent considering the type of stop-start and challenging work the trucks are doing. We had heard good things about Renault Trucks in this area and we've not been disappointed," says Gary.

Tough Competition to Find the World's Best Operators

Caterpillar has launched the 2019/2020 Global Operator Challenge Competition. Operators will test their skills against those of fellow operators around the world to determine who can claim the title of "best."

In each stage of the competition, operators will be challenged to test their agility, mental toughness, and versatility, as well as their competence in using integrated technology to enhance machine

performance, such as Cat® Production Measurement and Cat GRADE systems.

Operators qualifying in the local heats conducted by Cat dealers around the globe will participate in regional semi-final competitions that are to be held in Japan, Brazil, Spain and the United States during October and November 2019.

The winners in each regional semi-final will take part in the global finals that will take

place at Conexpo-Con/Agg, Las Vegas, in March 2020. The crowned champion will be awarded an all-expense, "VIP" trip for two to a global Caterpillar facility of his or her choice.

The Caterpillar 2019/2020 Global Operator Challenge will be the largest-ever competition of its type, following in the success of the European "New Range-New Rules" competition in October 2018 at the Caterpillar Demonstration & Learning Center in Malaga, Spain. In Malaga, 18 operators from 10 nations across Europe, the Middle East, and Eurasia were in the final competition; German operator Sebastian Behr took the top prize.

For more information about the Caterpillar Global Operator Challenge, log on to www.CatGlobalOperatorChallenge.Com.



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AG WILSON MARKS 40 YEAR ANNIVERSARY WITH ANOTHER CHALLENGING PROJECT

Forty years on and Portadown based family owned civil engineering contractors A.G. Wilson is busier than ever.

The company, which had its 'birth' in 1979, was originally established by Albert George (Bertie) Wilson and later supported by his wife Shirley. Over the years it has become known for its strong commitment to providing professional services and developing long term business relationships in both the private and public sectors.

The company undertakes contracts in a wide range of areas – from civils and marine work to hydro schemes and fusion welding – on behalf of clients such as Northern Ireland Water, Scottish Water and District Councils across Northern Ireland. It also has an extensive global experience, completing projects in destinations such as France, Spain, Germany and Morocco, demonstrating that it is willing and capable to facilitate contracts anywhere in the world.

Bertie, who still takes an active role in the business today, is supported by his son Derek and fellow director Richard Chambers who joined the company 20 years ago. To mark 40 years in business, the company recently acquired a new Volvo FH16 750hp from Dennison Commercials, complete with anniversary logo.

So what does the company put its continuing success down to? "It's been a dedicated team

effort. Everyone involved in the company has been fully focused down through the years; they have always been ready to take on any project, even though they may be challenging or complex," says Richard.

Glenmachan Project

One of the company's latest challenging contracts is in the Glenmachan area of South Belfast where a number of streets, including Greystown Avenue, Sicily Park and Marguerite Park, have been prone to flood due to the insufficient capacity of the sewer system to cope with adverse weather conditions.

This long term Glenmachan Project will tackle all of these streets over the next number of years. Short term, the 1B phase focuses primarily on Greystown Avenue, which has seen a number of flooding events on a yearly basis. The work involves the installation of sewer and storm pipelines connecting the Upper Malone Road to existing sewer and river infrastructure next to Balmoral Golf Club.

The AG Wilson team have encountered a number of challenges to date, primarily due to the depth of excavation and confined spaces which they have been required to work

within. At Upper Malone Park, for example, work had to be carried out with the site footprint no wider than the roadway provided. The depth of dig, coupled with the poor ground conditions, meant that safety was a first priority before any pipes could be laid.

Sheet piles were driven into the ground and trench boxes installed prior to entry into the excavation. The presence of services such as telecommunications, electric and gas at this location meant that the team had to ensure the careful positioning of the shoring equipment.

With the manholes and piping work installed, the area had to be backfilled in layers and compacted. Temporary bitmac reinstatement was then carried out with permanent reinstatement to be carried out at a later date to minimise disruption to residents.

Challenges

One challenge facing the team was at Greystown Avenue, where the twin pipeline was to be placed through the gardens and in between two properties. As part of the work requirements, two garages were to be demolished in order to provide the working room to install the 750mm and 600mm pipes at this location.

With one of the garages being a more recent build, the decision was taken to try and avoid the demolition of this building in order to save time and costs. It was however a requirement that temporary garages with running water and electricity were provided to both properties, with the boilers and oil tanks both requiring temporary arrangements made.

As the pipeline moved past the garage, the pipes were dry lined with concrete to reduce the likelihood of movement from the recently disturbed ground. This decision was also taken due to the saturated ground found in the area from recent flooding activities.

Once past the garages, the team only had a width of 6.5 metres to work in between the two houses. This coupled with the presence of overhead telecommunications lines in close vicinity, meant that this was a very tight environment to work in with little movement for error.

Reinstatement of the gardens and garages were carried out as works moved out on Greystown Avenue and





away from the properties towards the Upper Malone Road. The work requirements called for the new garage to be provided with the same specification as the one currently still standing. This meant the construction of a garage at 8.1m by 3.7m, with the brickwork and tiles to match.

The installation of the pipeline along Greystown Avenue and Upper Malone Road provided a tight working environment with which to carry out excavation works. The Upper Malone Road, a main thoroughfare for traffic in and out of Belfast, carries a large amount of traffic throughout the day, primarily in the morning and late afternoon.

Working Hour Limits

Six weeks of weekend work was required in order to carry three pipelines across the Upper Malone Road, with a large number of services and limited working hours making an already deep dig more challenging. Once across, in order to minimise disruption to traffic and ensure maximum production, traffic management was utilised and a section of the footpath and road closed to allow works to be carried out, all while maintaining two-way traffic flow.

Another challenge has been the installation of the box culverts within the Taughmonagh estate in South Belfast. Two culvert sets had to be installed on the project; the smaller storm culvert with an internal opening of 1.8m by 1m and the larger NI Water culvert, with an opening of 3m x 2.5m.

With the storm culvert designed to carry the flow through the grounds of the Church of Epiphany on Sicily Park, the larger combined sewer is designed to

act as an attenuation tank, receiving the flow in a 750mm diameter concrete pipe and discharging into a 450mm pipe.

Due to the close proximity of the houses and trees within the area, there has been limited room with which to install the larger culverts, therefore a solution was required to allow a machine with a relatively small footprint to install the units.



Working closely with Moore's Concrete in Ballymena, who specialise in bespoke precast concrete works, a design was created to allow the units to be installed in two sections. This consisted of a top and bottom 'U' shaped section, structurally connected using dowels and later grouted to ensure the integrity of the structure. By splitting the units into two sections, the weight of the structure was reduced significantly, allowing a 35-tonne excavator to carry out the heavy lifting and install the units, weighing in at 7.2 tonnes.

A number of special units were also produced to allow for manhole openings,

as well those at each end of the culvert, providing starter packs with which end wall reinforcement could be tied and poured.

Once installed, concrete benching was required to ensure the flow was sufficiently carried from one end of the culvert to the other, a distance of 115 metres. Barideck Services were entrusted to apply the Stirling Lloyd One Coat Eliminator System to the top to ensure that any lying water doesn't penetrate through to the concrete surface. The units, once waterproofed and grouted together, were backfilled, with the ground compacted, allowing for reinstatement of the road to be carried out.

The installation of the culvert has not always run completely smoothly, having been hampered by a 400mm trunk watermain which feeds large amounts of water to a reservoir in Poleglass in West Belfast. A number of delays occurred due to the importance of this watermain and issues with supply within the city.

There were, for example, limited periods during which the watermain could be shut down. Once given the green light and the watermain drained, the team cut the main and installed the culverts over a number of long days to ensure water supply wasn't hampered. An emergency team remained on standby in case supply ran low and the watermain had to be reconnected during this time.

This stage of the project is due for completion by July 2019 and will include a full road reinstatement of all areas affected by the works.

New Komatsu Intelligent Control Excavator Launched in Ireland

Komatsu's Intelligent Machine Control was to the fore at the recent Bauma exhibition with the launch of their latest PC360LCi-11 excavator – a unit recognised as bringing benchmark technology to the construction industry and is said to deliver step changes in terms of productivity, efficiency and cost saving.

Launched in Ireland through distributors McHale Plant Sales of Birdhill and Rathcoole, the PC360LCi-11 has an operating weight in the range 35.600 - 36.200 kg, depending on the configuration. It has a maximum recommended bucket capacity of 2.66m³ and power output that delivers 192 kW / 257 HP @ 1.950 rpm from an EU Stage V Komatsu SAA6D114E-6 engine.

Fully factory-installed, its intelligent control system works in a variety of ways that McHale Plant Sales director, John O'Brien says: "It will allow operators to focus on moving material efficiently without having to worry about digging too deeply.

"Automatically, the bucket is prevented from digging beyond the target surface, thereby maintaining grade automatically with real-time bucket edge positioning, both in relation to the machine and the job surface," O'Brien said. "Job status is instantly displayed on a



full colour, multi-function 12.1-inch control box monitor, eliminating the wait-time associated with conventional sensors."

In technical terms, the system includes stroke sensing hydraulic cylinders for the boom, arm and bucket. Developed by Komatsu over two machine generations, it gives precise real time bucket edge positioning. An inertial measuring unit uses gyro and accelerometer data to determine machine orientation and angle while high performance antennae send satellite signals to a GNSS receiver that provides real time machine position.

In terms of benefits, the PC360LCi-11 lets operators focus on moving material efficiently without worrying about digging too deep. Its touch screen control box monitor makes

grading easy and accurate, providing the operator with real time information on bucket edge position in relation to design surface, "as-built" status, and customisable spilt screen views in profile, plan or 3D format.

By setting the control box monitor in 3D design format, the use of traditional guidance methods such as stakes and grade rails can be reduced or eliminated, as can surveying and final inspection thereby improving safety with fewer people needed on the job site. On-Off switches used for the semi-automatic functions are fully integrated in the joysticks.

Amongst other unique benefits is the PC360LCi-11's ability to combine the high productivity of a bulk earthmoving excavator with the renowned accuracy expected from intelligent machine control – achieved by powerful hydraulics and breakout forces when excavating, fast cycle times when truck loading, and by completing grading automatically in just one pass. This means that fewer machine cycles are required and operator performance is improved, with vastly reduced risk of re-work, lower fuel costs and increased machine utilisation.

Standard features also include Komatsu's latest KOMTRAX telematics and their acclaimed Komatsu Care maintenance program.

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- Simplified diagnostic.

Leica Geosystems introduces new entry-level construction layout tool

Leica Geosystems, part of Hexagon, has launched the new Leica iCON iCT30 construction layout tool to bring more efficiency to the construction industry.

Combined with the construction-tailored Leica iCON build field software, it is an easy-to-use and affordable solution to increase productivity by minimising labour time and mistakes, while increasing accuracy and speed.

"The Leica iCON iCT30 is designed for users moving for the first-time from conventional manual layout methods to automated

workflows. The hardware and software are easy to use," said Shane O'Regan, product expert Leica iCON at Leica Geosystems.

Simpler telescope aiming, reliable accuracy and one-person operation are some of the features that distinguish the iCT30 construction layout tool.

The iCT30 is a fast and robust tool that provides significant up-time by assisting operators to deal with difficult site conditions, such as reflections, interruptions of line of sight, or congestions. With the iCT30, operators will layout more points per day, speeding up the construction process.

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view from the cab

HIDROMEK'S 102B SUPRA BACKHOE LOADER

There is a lot going for the top of the range Hidromek Supra backhoe loader, as Plant & Civil Engineer's David Stokes discovered when he not only took a closer look but got the view from the cab from several operators who recently put a 102B model to the test, courtesy of the Northern dealers for Hidromek machinery in the UK, Buntons.

The Turkish manufacturer's extensive range of machines, which begins with the 62ss mini backhoe loader and stretches right up to a 50 tonne tracked excavator, is now firmly on the map in this part of the world, with sales volumes on the increase since their first appearance here just over three years ago.

Among the increasingly popular backhoe loaders in the range is the 102B Supra which has been impressing operators with its excellent performing front loader and its tough and durable constructed boom.

Comments **David Johnstone of D.A. Johnstone Plant Hire Ltd**, based at

Morpeth in Northumberland: "We had known about the Hidromek brand for a while, but this is the first time we have actually put one on trial. We operate a wide variety of machines of different brands. We had the Hidromek for about a week, so we were able to really put it to the test and to be honest it is up there with the best of them, certainly in the top five," says David. "It is strongly built, has a solid feel about it and packs plenty of power.

"It performed very well on site, was good on the open road and the cab provides a comfortable and spacious working environment. The controls were well positioned and easy to operate."

He added: "We are planning to make some changes to our fleet this coming year and the Hidromek machine is well in the running as it represents really good value for money." Andrew Conley from **D. W. & E. E. Conley**, a plant hire and haulage company based at Stocksfield in Northumberland,



was also equally impressed.

"When we first put it on trial we were a bit wary of the machine, but once we got used to it we were quite impressed, to be honest. This was our first experience of the brand; we had seen the Hidromek at some shows in the past, but we never stopped to have a proper look, until now."

Andrew added: "Overall, the performance and handling of the Hidromek compares very favourably with other brands; we were quite impressed with it during the week and a half we had it. The hydraulics, for example, were absolutely excellent, really smooth and the cab couldn't be faulted.

"All our drivers tried it out, they found it very easy to operate and all had really good things to say about it, so we'll certainly consider adding one to our hire fleet."



Wrights of Crockey Hill are one of the most popular Plant Hire suppliers in York, with an extensive fleet of machines and an excellent reputation for reliability and high quality, so it was perhaps only natural they should take a look at what Hidromek had to offer.

Commented Alan Wright after a week trialling the Hidromek Supra backhoe loader: "We place great emphasis on supplying what the customer demands and pride ourselves in living up to those demands over and above expectations. We looked at the Hidromek with a view to perhaps adding one to our fleet.

"Both myself and my plant manager take a 'hands on' approach to the business and neither of us could fault the machine. It is well built, with solid components, including a Perkins engine; the cab is well insulated and quiet, with plenty of room and it performed very well on the road and on site. Like I say, a good all round machine that compared favourably to what we already have in our fleet."

Tim Garland, Managing Director of **Elvinton Plant Hire**, was similarly impressed. His

company is based just outside the city of York and covers a diverse range of activities including plant and tool hire, groundwork contracting and muck shifting.

"The Hidromek is a very good machine, we were very impressed with it; there is a lot to recommend it. We would certainly seriously consider adding one to our fleet for the hire side of our business," said Tim, who spent a week working with the loader. "The cab is very comfortable, with all the controls well laid out, and its performance more than met our expectations."

Bunton's Hidromek Sales Manager Alistair Russell is obviously delighted with the reaction from potential customers. "Everyone who has taken us up on the offer of a demonstration model to test it out for themselves in real working conditions has been very positive in their responses; people do appreciate what the Hidromek brand is all



view from the cab



about – a tough dependable quality product, keenly priced and easy to maintain.”

Take a Closer Look

So, let's take a more detailed look at what the Hidromek Supra 102B offers, and it's a lot. The first thing an operator looks for, apart from a machine that performs and handles well, is his working environment; after all, he is going to spend much of his day in the cab, so he doesn't want to be stressed out, and he needs to feel in control at all times. And in the Hidromek, he can be.



For example, from his air suspension seat, with automatic weight adjustment and back support, the operator can easily interact with the machine via the 'Opera' interface. The operator can view all information and warnings about the machine through the LCD screen asymmetrically located on the front panel while he is working on loader position. With its unique asymmetric design, the LCD screen increases the field of view of the

operator during loading; the fully adjustable steering wheel does not block the display panel in any position, thus, information and warnings on the display screen may always be easily seen and controlled. In the excavation position, again all information and warnings may be viewed on the coloured TFT screen located on the rear panel.

A forward-reverse direction control on the front loader control lever allows the operator to make quicker manoeuvres during loading; the operator can apply both loader and forward-reverse commands from a single point without losing steering wheel handling by using the TIPSHIFT button.

Meanwhile, a standard MSS (Motion Stabilizer System) works as a shock absorber on the loader lift cylinders. By damping the shock that occurs when a full loader bucket is used on rough terrain, it provides a comfortable ride that is not only smooth but also fast as well.

As a standard equipment, Flowsharing valves provide excellent hydraulic control independently from the amount of the load and operator's skills for various field works such as pipe laying and channel trenching. It allows simultaneous boom, arm and bucket motions even in the low rpms and provides the opportunity of working in noise restricted areas such as hospitals, schools and city centres.

Getting back to creature comforts, there is plenty of storage room for the operator's bits and pieces. There are storage pockets with different sizes and forms on the front and side walls of cab, a cool box for

drinks, and washable detachable pockets have been located at various points.

Easy Maintenance

One of the most important characteristics of the Hidromek that perhaps makes it more superior than some of its competitors is that hydraulic hoses are neat, well protected and easy to access. The front grill can easily be opened with a key for access to accumulator and radiator group. This feature shortens the daily routine maintenance periods. Indeed, all of maintenance and service points are in easy-to-access locations – and they can be reached from the ground level. Even the fuse panel has been situated in a way that the operator can easily reach it for maintenance and serviceability!

Key Features

- Perkins Diesel Engine
- Autoshift transmission, 6 forward, 3 reverse gears
- Maximum driving speed 40 km/h
- Air conditioned cab as standard
- Opera Control System
- Air Suspension Seat
- Adjustable Steering Wheel
- Advanced Heating and Cooling System (A/C)
- Hydraulic Boom Lock
- Cab Construction with FOPS and ROPS Certificate

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view from the cab

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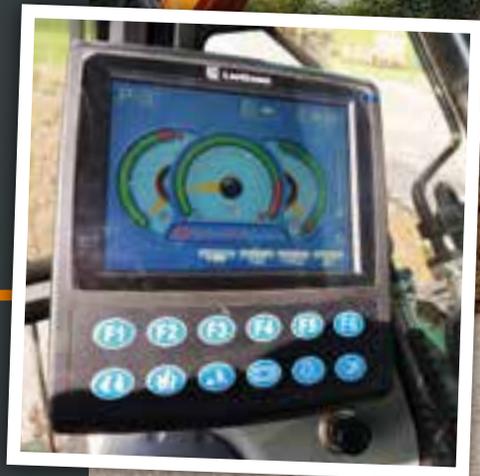
BAM Ireland recently acquired three new LiuGong excavators – two 950Es and a 939 – which are currently earning their keep on a major project in County Kildare; Plant & Civil Engineer has been finding out how the machines, supplied by FJS Plant, have been performing.

It's the first time BAM has invested in the LiuGong brand, so we were keen to get the company's initial reaction to how the machines have been working out on the contract at Leixlip where microchip giant Intel is investing €3.5 billion on an expansion of its manufacturing facilities.

The two 950E machines are currently employed on rock breaking, while the 939E is being used for loading up trucks and according to BAM plant manager Tommy Flaherty they have been 'living up to our expectations.'

He told us: "We've only had them for a few weeks, so it's early days, but so far they are performing very well; they are doing everything we had hoped they would."

Added Tommy: "It is true LiuGong is not a widely known brand in this part of the world, but its reputation is growing.



They use high quality components such as Kawasaki hydraulic pumps and Cummins engines which are well tried and tested, and used by other major manufacturers; we have Kawasaki pumps, for example, fitted to cranes that we have been running for nearly 30 years without any problem, so that gives us added confidence in the LiuGong machines."

So how have BAM's operators reacted to the arrival of the LiuGong machines on site? "To be honest, we were initially concerned about how the men would respond, but those worries quickly melted away. The operators are very happy with how the brand has been performing, they are happy with the cab, with how all the controls are laid out, with great all-round visibility, all of which provides them with a very comfortable working environment in what can be tough operating conditions. I haven't heard a bad word said about the LiuGong machines."

Focus on 950E

Taking a closer look at the machines, focusing on the 950E in particular. It is powered by the latest Cummins QSM11 engine with a rated net power of 260 kW (349 hp) @ 2,100 rpm





950E'S ADVANCED INTELLIGENT POWER CONTROL (IPC) SYSTEM INTELLIGENTLY DELIVERS THE POWER YOU NEED

in compliance with EU Stage IIIA emission standards.

For operational efficiency, the engine uses a precise, high pressure common-rail fuel injection system, turbo charger and air-to-air intercooler, along with electronic engine controls to deliver optimal performance in every shift. Engine emissions are virtually eliminated by NOx and Dual reduction Technology, ensuring that the 950E delivers, both for the environment and the bottom line.

LiuGong's advanced hydraulic system regenerates oil in the cylinders more efficiently reducing heat, increasing fuel efficiency and improving cycle times. The hydraulic system is highly effective in delivering power and precise control to where the operator really needs it, making even the toughest job simple.

The 950E's advanced Intelligent Power Control (IPC) system intelligently delivers the power you need – when you need it. This new generation computer-aided IPC system allows the 950E's mechanical, electrical and hydraulic systems to work together in perfect harmony and helps even novice operators get more from the machine. An improved hydraulic pump system delivers efficient oil output

under lower engine speeds, resulting in fuel efficiency and reduced noise level.

Safer Cab

A comfortable operator is a productive operator – and they can feel safe and secure in the spacious cab which benefits from ROPS (Roll Over Protection System) and FOPS (Falling Object Protection System). Visibility, too, is key to protecting both operator and workers on site. The large glass surface area, combined with the rear-view camera, provides an extraordinary view of the 950E's surroundings.

It is also safe and easy to get in and out of. Trips and slips can account for the majority of accidents onsite, but well-placed door handles, safety rails and anti-slip tape on the upper part of the machine make it easier and safer for operators to enter and exit the cab in all weathers and conditions.

The controls are where the operator needs them to be. They are easy to see, easy to reach and easy to handle.



view from the cab



read, full-colour LCD monitor displays all the critical information the operator needs, including working mode, hydraulic oil temperature, hydraulic pressure and service intervals, while a multi-adjustable air-suspension seat is comfortable and designed to keep the operator fresh and alert.

The cab is sound insulated, vibration protected and well ventilated. It has advanced climate control to handle the changing seasons and is completely sealed to prevent dust from entering the work environment. Eight all-round vents, five selection modes and 6 kW of cooling capacity, creates the perfect working conditions whatever the weather outside, while easy-to-replace air filters eliminate dust and prevent particles from polluting the cab.

The 950E features a tougher, reinforced heavy duty boom and arm built from high-strength tensile steel, with castings and forgings in high stress areas for heavy-duty performance and maximum uptime. Over-sized pins have

also been used to allow the 950E, not just to work harder, but to work harder for longer.

Switching attachments like buckets, breakers and shears can be time consuming and hazardous, but with LiuGong's quick coupler and powerlatch tilt coupler, that task is fast, safe and simple; attachments can be changed from the seat of the cab in less than a minute, quick, safe and easy.

Service and routine maintenance are also made easy, thanks to the convenient location of inspection parts, filters and water separator, while an automatic greasing system improves bearing life and reduces repairs by delivering regular and precise amounts of grease to each bearing.

Incidentally, handrails are also fitted as standard on the 950E, enabling safe access to the upper structure for easy engine service and maintenance.

Dealer Support

Another factor that influenced BAM to invest in LiuGong, apart from being 'keenly priced,' as Tommy put it, was the fact that they can rely on good dealer support from FJS Plant with whom they already had an established and successful working relationship.

"FJS have an excellent reputation," says Tommy. "They have carried out servicing and maintenance work on other brand machines for us over the years and have always been dependable.

"When investing in machines, you are not just buying the product, you are also buying into reliable aftersales service and support, and that's what we get from FJS Plant – plus, as a bonus, they are located just half an hour away from our site here in County Kildare, so they can be with us quickly, not that we have needed such support for the LiuGong machines yet!"



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PLANT SERVICES IRELAND EXPANDS ITS PLANT & AGRICULTURAL PRODUCT PORTFOLIO

When Brendan Commins set up Plant Services Ireland in May 2015, he was determined to grow the business as quickly and as successfully as possible – and he has done just that in a few short years, with a diverse customer base and an equally diverse range of plant and machinery.

Although his core activities centre around the service and repair of construction and agricultural equipment, both on site and in the company's fully equipped workshop, the sales side of the business is rapidly growing.

The latest addition to the company's expanding portfolio of dealerships is the JMac franchise

and already it is attracting plenty of attention from customers.

JMac backhoe loaders are manufactured in Turkey and imported to a UK dealer based just outside Birmingham.

"I knew they were looking for some representation in Ireland, so I met up with the team at JMac, was impressed with what they had to offer and done the deal," says Brendan, never one to pass up a promising business opportunity.

"The 9.5 tonne JMac 888 backhoe loaders are very well built; they have an excellent specification, including a 100hp Perkins engine, automatic power shift, 4-wheel drive, an ECC filtration system and air conditioning, so they represent really good value for money."

In addition, the JMac comes with a two year warranty, so understandably there is plenty of potential for the machine which will appeal to a wide range of customers looking for keenly priced equipment that they can rely on.

"We already have had a demo model out with quite a



**A DIVERSE CUSTOMER BASE
AND AN EQUALLY DIVERSE RANGE
OF PLANT AND MACHINERY**

view from the cab



few potential buyers, and they've all been impressed with the JMac's performance." Of course, it's not the only franchise Brendan has secured over the past couple of years. Based at Ashbourne in Co Meath, Plant Services Ireland also represents a number of other leading brands.

They include Pronar who manufacture a range of trailers and other equipment for the agricultural sector, Dynaset Hydraulic Equipment, Nordmann Electric Crushers, Sandhurst excavator attachments, Sunward Engineering, whose product range includes excavators and earthmoving machinery and Tyrone based McQuaid Engineering, manufacturers of quality attachments for the mining, quarrying and construction industries.

Also in Plant Services Ireland's portfolio are Gyru Star screening buckets and screenpod cannons "When I first started out I saw a niche in the market for a company that would cover all of Ireland, servicing and repairing plant and agricultural machinery, from engine work to restoring and resprays," explains Brendan. "Now, with a good spread of dealerships, we can offer for sale a diverse

range of plant and machinery covering a wide spectrum of applications. "Our customer base is very diverse, from quarrying companies to local farmers, and we pride ourselves on providing a top class after sales back-up service; we appreciate that it is imperative for our customers to have reliable support to avoid any unnecessary downtime which is why, with fully equipped vans on the road, we operate a 24/7 call out service. "We also carry a full range of parts and spares enabling us to get our customers back up and running again with the minimum of delay."



ALLU Global dealer meeting huge success

ALLU recently held the 'best ever' meeting of its global dealer network. Close to 100 representatives from ALLU dealerships came to Finland for what proved to be a fantastic occasion.

ALLU has placed a great deal of emphasis over the last few years in growing its highly professional dealer and distributor network. Throughout Europe, Latin America, Africa, the US and increasingly SE Asia, the network has continued to grow enabling customers throughout the world to easily benefit from the unique attributes of the ALLU Transformer and Processor ranges.

During the meeting, the dealers enjoyed a series of events aimed at providing them with the latest developments and application thinking concerning the ALLU product lines.

In addition to seminars, workshops and a highly informative walk-through of the production process, ALLU product and service experts were also on-hand to provide advice in order to help the



dealers assist their customers maximize their investments.

"The dealer conference and meeting was the perfect occasion for me to meet the ALLU people in the field," said ALLU vice president of sales Jeroen Hinnen. "I thought it was an excellent occasion, enabling us at ALLU to not only help our partners, but also to listen to what they and their customers want from ALLU."

At a gala dinner held on the last night of the meeting, an awards ceremony was held to recognise

the outstanding performance of ALLU's dealers. Tianjin Deal Electronic and Mechanical Equipment Trading Company Ltd from China was presented with 'dealer of the year', with R D Williams from Australia being awarded the 'ALLU award for excellence'. Finally, newly appointed dealer, Murray Plant from the UK, was given the 'best performing new dealer' award.

"Our dealers are vital link between us and the customers. And the dealer's performance

has been outstanding in 2018," said ALLU president Ola Ulmala.

"The ALLU awards recognise how well our dealers are performing, providing customers with outstanding solutions wherever they are in the world."

The dealer meeting is one of a series of events ALLU intends to hold throughout 2019 aimed at helping its dealers help their customers. Service workshops are scheduled throughout the world, as are application seminars.

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MACHINE TOOLS

SIMPLY NORTHERN IRELAND BUILDS TEAM AND PLANS FOR FUTURE GROWTH



Simply, the non-bank lender that was set up in April 2017 in response to the need for disruption in the asset finance sector, has hired four new employees in Northern Ireland and has moved the whole team into a new office in Belfast.

All four individuals will report into Gary Coburn, head of sales for Northern Ireland, and are now located at the Clockwise offices in River House, Belfast, a flexible and professional shared office space.

Gary Coburn, head of sales for Simply Northern Ireland, commented: "It's a very exciting road ahead, building the Simply brand and presence in the region. As the first lender in a long time to properly commit to Northern Ireland by establishing a local presence here, Simply is serious about supporting the local business economy and has ambitious plans for growth.

"Firms here in Northern Ireland – with their growing need to finance – have

welcomed us with open arms, and my new team will be making sure that our customers get exactly what they need from the very beginning."

Mike Randall, CEO, Simply, added: "The team in Northern Ireland has over 100 years' relevant experience between them and I am very happy welcome our new members on board. As a locally-based asset finance provider we can actively support SMEs in the region with their funding requirements, and we believe that Simply's expansion is good news for brokers and small and medium-sized businesses alike."

At Simply we do asset finance differently

**Call us on 028 9244 9842
or visit www.simply.finance**

Gary Coburn
Head of Sales for Northern Ireland
M: 07908 765551

MEET THE TEAM

The four newest members of the Simply family



Mark Crothers
Area Sales Manager, Mid-Ulster
M: 07944 414828

Mark has over 16 years' experience in the banking sector. For the last seven years, he was a client manager at Close Brothers Invoice Finance where he worked with businesses with turnover ranging from £500k up to £60m. Mark is a keen sportsman (martial arts, golf and rugby). He also enjoys travelling, cooking and spend time with family and friends.



Cecil Doherty
Area Sales Manager, North West
M: 07944 414806

Cecil is an experienced company director in the construction and leisure industries. Most recently, he worked at Close Brothers for seven years and before that spent 20 years as a teacher. Outside of work, Cecil is a keen golfer and an avid Liverpool fan.



Tony Neill
Area Sales Manager, Co. Down
M: 07944 414878

Tony has over 34 years' banking experience, spanning four different providers. In the summer of 2018, he decided to take early retirement but has now decided to join Simply on a flexible part-time basis. He spends his free time with his three grandchildren and playing golf.



Patricia Carmichael
Business Manager, Belfast
M: 07944 414833

Patricia has worked in the banking industry for 16 years, and specifically in the asset finance space for nine of them. She loves to spend time with her family and is a box set aficionado.



SimplyNI Team



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customer open day

MULTIPLE WASHING SPREADS IMPRESS AT McCLOSKEY CUSTOMER OPEN DAY EVENT

Washing equipment specialists, McCloskey Washing Systems (MWS) along with their UK dealer Max Innovate Ltd, recently held its first multi-spread demonstration event, at Monk Plant Hire (MPH) in Hockering, Norwich, highlighting the power of the washing equipment working together.

The demonstrations were an integral part of events tailored to familiarise both new and established dealers and customers with the versatility and productivity of MWS latest products.

The highly successful event attracted more than 200 attendees who enjoyed guided tours to inspect and view the equipment at work while taking the opportunity for questions and answers with McCloskey experts. The event highlighted new washing and classifying equipment for both quarrying and recycling applications.

The Monk family have been involved in the recycling and demolition industry for almost 20 years. MPH offer the supply of crushed concrete, brick rubble and road planning's along with screened top soil in to the local construction market.

The McCloskey spread included a dual power R105 scalping screen which feeds a minus 40mm into the Aggstorm150 log washer to produce a clean product which

is split in to three aggregate fractions. The minus 5mm sand is processed through the Compact Sand Plant 120 creating two grades of sand. The washing system at MPH has been in operation for 3 months and has already processed approximately 60,000 tons of material creating clean drainage aggregates & concrete sands. Prior to this the material would have been crushed and sold as a low cost sub-base material.

MPH are currently producing 6 sellable products, 3 aggregates, 2 sands and a clay from the filter press. This material was previously taking up valuable space on site prior to the new system being installed. In addition, the customer was missing out on a significant revenue opportunity that could be realised through the introduction of an effective washing system. The MWS product along with the water treatment plant installed at MPH has addressed both issues and resulted in the customer being able to maximise returns from their operation.

There are many features of the Aggstorm150 log washer that make it stand out from other similar products in the market. The variable speed drive for the shafts allows you to alter the retention time. One feature that captured the attention of all at the



recent open day was the MWS patented side door access system. This advanced engineering breakthrough makes it the only log washer in the industry that has been designed with absolute focus on the machine operator for ease of maintenance.

"The system has been designed to allow the operator access to the hull from a standing platform when carrying out maintenance tasks such as the removal of rope, rags or wire from the shafts and blades which is a common occurrence within this sector. Previously operators would be required to lay on top of the hull face down to carry out this process, which posed safety issues, along with a much longer downtime for the operator," explains Ben Frettsome, MWS Sales & Applications Manager.

The unique and innovative AggStorm modular wash plant brings together rinsing, scrubbing & screening capabilities on a single transportable chassis. Primarily designed for the processing of construction & demolition waste, the AggStorm at Monk is producing three grades of aggregate, 40mm, 20mm and 10mm aggregate along with pre-screening a 0/2mm and 0/5mm sand product.





DUAL POWER R105 SCALPING SCREEN WHICH FEEDS A MINUS 40MM INTO THE AGGSTORM150 LOG WASHER TO PRODUCE A CLEAN PRODUCT

The wash plant also includes a full water management system incorporating a 9-meter diameter low level rake thickener along with a filter press, recycling more than 95% of the water used in the washing system.

For this application MPH are using a 1500mm x 1500mm x 130 plate filter press for the slurry dehydration which is produced from the rake thickener.

The filter press produces a dry solid 'cake' with a residual moisture content of below 22% which allows for this to be transported immediately, in comparison to other methods such as centrifuges or traditional tailings ponds which require multiple handling & days to dry. This also allows for a separate revenue stream to be created through the sale of this 'by-product' to several local industries.

"At a time when operators are focused more than ever on maximising efficiencies within their sand and aggregate processing operations, our plant at MPH provides evidence that there are significant opportunities to be taken advantage of with the processing of recycled waste," explains Mark Monk, Director at Monk Plant Hire.

"We are deeply appreciative for the opportunity MPH gave us to demonstrate our equipment at their site. The perfect

weather, combined with this perfect venue, made the event a resounding success on every level. We extend our sincere thanks to them, as well as to all those who joined us, we were delighted with the turnout," said Sean Loughran, McCloskey Washing Systems Director.

Fintan McKeever, Managing Director at MWS UK dealer Max Innovate, said, "The initial interest in the open day was phenomenal, and we quickly realised that we were going to have to spread the event over two days to accommodate all those who wanted to attend.

"The tours impressed the visitors with the attention to detail and pride that everyone at McCloskey and Max Innovate takes in what we do, and it made me proud to be part of such a market-leading company. As I have come to expect from the team at MWS, the open day speaks volumes for the company's ethos, as well as to serve as an indicator for future growth plans."

Following the huge success of this event, McCloskey Washing Systems will be hosting another UK exclusive Open Day event in Sheffield in September 2019.



(L-R) Mark Monk, Director, Monk Plant Hire, Fintan McKeever, Director, Max Innovate and Sean Loughran, Director, McCloskey Washing Systems

from the desk of



DENNISON JCB



Jonathan Forsythe
Dennison Aftersales Manager

THE IMPORTANCE OF REGULAR JCB MACHINE CHECKS AND SERVICING

Keeping your JCB machine up to date with regular health checks and servicing will vastly reduce machine downtime and simple little problems are dealt with quickly before developing into larger issues. Regular maintenance, servicing and using genuine JCB parts will give peace of mind that our JCB machine will remain in optimum condition for many years to come.

Here, Jonathan Forsythe, Aftersales Manager at Dennison JCB, highlights the range of aftercare service and promotions to assist customers with getting the most out of their machines as well as offering value for money with tailor made promotions which will appeal to all JCB owners.

At Dennison JCB we are focused on offering a complete customer service. Your JCB journey is only beginning when you purchase your machine from Dennison JCB; we aim to be your partner throughout your JCB's lifespan. Our aftersales team are on hand to assist customers with parts and servicing of their machines. Regular maintenance and servicing of JCB machines will reduce repair costs in the long term - with any potential issues identified quickly and repaired with minimal

cost and downtime. Maintaining servicing and maintenance also helps to protect the customer's investment in the machines, as it will assist with the machine holding its value when it comes to resale or trade in.

The aftersales team are great advocates for using genuine JCB parts. These parts are specially designed for the machines which will eliminate unnecessary repairs and downtime. Using alternative parts may not have the same quality and could prevent the machine from carrying out its essential tasks.

One of the main benefits of purchasing genuine JCB parts is that they come with up to 12 months warranty when fitted by a Dennison JCB service engineer. Our team of Engineers are always on hand to assist customers and have very competitive rates.

In addition to the parts and servicing, Dennison JCB also offers a large range of JCB agri and construction attachments to give machines a multi-purpose on site. Attachments include shear grabs, brushes, screening shovels, crusher buckets, rock breakers, plus many more. For more information on our attachments, please give me a call at 028 9344 2222.

Apart from our great range of products and services on offer, we understand that

our customers want value for money, which is why we run quarterly and annual promotions to give our customers great products at competitive prices.

Here's a breakdown of the current promotions we have available:

Heritage Promotion

Is your JCB machine over six years of age? Join our heritage club today and receive 10% off parts and service for all machines over six years of age.

Machine Health Checks (MHC)

Take advantage of our Machine Health Check promotion. Our engineers will carry out a free health check while on site. If a problem is identified during the check, customers will receive 10% off parts and labour on all repairs authorised through the machine health check system.

Damaged Parts

Special Discounts on JCB parts prone to damage through everyday wear and tear. This would include, lights and mirrors. Give our parts team a call today for discounted prices on these items.

Brake Pads

This is our newest promotion. We have a number of discounts on all our brake pads for all our machines - give the parts team a call today to discuss your brake pad requirements and see what discounts is available.

4 FOR 3 on JCB Grease

JCB Grease plays a vital part in offering the long-life protection that can keep machinery up and running. They contain the highest quality extreme pressure performance additives, providing maximum component protection even under severe shock loading conditions. For every three boxes of JCB Grease purchased get one box free.

Get in Touch - Give our aftersales team a call today at 028 9344 2222 or email: jcb@dennisons.co.uk



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DENNISON JCB

IT'S MILLER ONLY FOR LEADING IRISH CONTRACTORS

Safety and operational efficiency come first at Ward & Burke, one of Ireland's principal Civil & MEICA Engineering Contractors, which is why they have chosen to employ Miller couplers on not just some but all their excavators.

The company specialises in the design, manufacture, supply, installation, commissioning, operation and maintenance of water and wastewater infrastructure with all associated mechanical & electrical, civil, and, environmental, activities in Ireland and the UK.

With their Head Office located in Kilcolgan, County Galway, Ward & Burke's portfolio also encompasses bridge and road infrastructure projects incorporating construction and rehabilitation works.

Driven by the demand for added safety and efficiency, quick coupler designs have changed dramatically over the last two decades and advances in materials are helping manufacturers like Miller UK to keep finding new ways of making couplers lighter for fuel efficiency and stronger to enhance life cycle.

More often than not, users will look at specifying a coupler thinking that all quick couplers share the same properties. Miller Coupler technology has developed to meet the needs of all types of working conditions, driven by the requirements of contractors to carry out work efficiently without compromising on safety or economy.

The right coupler should complement and enhance the machine and make each task as smooth and efficient as possible, saving contractor's fuel, time and money. Put simply, specifying the wrong coupler will cost more in the long run – and Contracts Manager Cian Burke from Ward & Burke agrees.

Reliable & Trusted

We caught up with Cian while working on a major contract for Irish Water near Dublin Aerodrome. The company has employed two Kobelco machines and a new Cat 352 excavator, all fitted with the latest Miller couplers.

"Miller is a reliable and trusted brand. We've never had an issue with them," says Cian.

"Miller is a quality product, with safety built



in and the back-up and support we get from the manufacturer cannot be faulted."

Ward & Burke's Service Manager Jason Glynn goes even further. "We've only ever used Miller couplers; every new excavator that joins our fleet is fitted with the double lock coupler, so we must have well over 100 across the company."

Jason tells us he likes the fact that the Miller PowerLatch coupler has two

independent mechanical locking systems, ensuring both the front and rear attachment pins are locked in position preventing the attachment from accidental release.

The first is a blocking bar which acts as a positive mechanical lock, ensuring the rear at pin is retained. And the second is the front latch which is referred to as the Automatic Blocking System (ABS). This acts as a secondary locking mechanism that is independent of the primary retention system.

The ABS is locked in position which can be clearly viewed by the driver during operation and can only be released by intentional release of the primary engagement system; it prevents the accidental release of an attachment. In the unlikely event of a hydraulic failure or driver error, buckets cannot be dropped or swung dangerously on the front pin.

This feature meets a key element of the relatively new ISO13031 International Standard that "the coupler will prevent disengagement of the attachment in the event of loss of hydraulic pressure and swinging of the attachment is not allowed."



Uniformity

Another bonus for Ward & Burke in only using Miller is that all the operators have become conversant with the product, no matter on what machine they are working.

"Having that uniformity throughout the company rather than using a variety of different hitches with different systems avoids complications and enhances operational safety and efficiency," says Jason. "And because all our operators have been fully versed in the workings of the Miller product, there's no confusion or concerns if they have to suddenly switch from one digger to another; they know there will only ever be a Miller coupler on the machine."

PowerLatch Benefits:

100% cast from high tensile steel, delivering exceptional high strength performance

A shorter pin to point measurement delivers maximum breakout force for greater productivity

Cast lifting eye located in the centre of the rear coupler for maximum strength and lifting capacity

Turn your compact excavator from a digging machine to a multi-tooled carrier maximising machine uptime

Dual ABS independent back up system, which ensures the attachment remains securely engaged.



from the desk of



Tom Verner
Group Managing Director,
The Momentum Group



UNLOCK YOUR BUSINESS POTENTIAL WITH R&D TAX CREDITS

Over the past few years the number of R&D Tax Credit 'professionals' has increased, like any marketplace that experiences an increase in demand for services. However, if you sign on the dotted line with an inexperienced, unqualified advisor, this can have damaging consequences for your business.

At Momentum, we are calling for all companies to do their due diligence before signing up with 'so-called' R&D Tax Credit professionals and not to be swayed by a cheaper option.

It is important that companies engage with a credible advisor in order to claim everything they are entitled to and optimise the full potential available to them through R&D Tax Credits.

R&D Tax Credits are an incredibly valuable source of funding for innovative businesses. Statistics from HMRC show that Northern Ireland businesses have claimed a total of £55m R&D Tax Credits this financial year.

Whilst this is positive, NI accounted for just 3% of total claims and 2% of the total tax benefits claimed, highlighting there is still a wealth of opportunity available across the NI business sector.

The lack of claims could be as a result of companies being hoodwinked regarding the R&D Tax Credit initiative. Look for the warning signs, such as if an advisor is repeatedly contacting you unnecessarily, coming across

as forceful or asking you to sign a lengthy contract. We would advise that companies being contacted by those claiming to be specialist advisors ask for a list of previous and current clients to prove credibility.

We would also encourage companies to ask potential advisors of their experience with HMRC investigations and a breakdown of fees. A reputable R&D Tax Credit advisory firm should always be able to provide evidence of expert knowledge and insight into legislative changes.

To date, HMRC has identified and prevented £300m in fraudulent R&D Tax Credit claims. As a member of HMRC's R&D Consultative Committee, we highly commend HMRC's high level of scrutiny. At Momentum, we provide the highest level of standards to every claim, 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 across most sectors, we encourage companies to make the smart decision and do your research to ensure you are working with a credible advisor.



Find out if you qualify for R&D Tax Credits at momentumgroupni.com or contact us on 028 9140 4030 for a confidential no obligation review.

REDUCE > REUSE > RECYCLE

EMS are currently looking for expressions of interested to represent the MB product in Northern Ireland, for details please contact Seamus Flynn

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THE CRUSHING EVOLUTION

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30th anniversary

EMS MARKS 30 YEARS IN BUSINESS



Marking three decades in business this year, EMS (Embankment Machinery Sales) which is headed up by Seamus Flynn and Eamon O'Loughlin, continues to make a big impact in the industry.

Since it was established in 1989, the company has developed its total solutions strategy for its customers by providing a comprehensive range of brands and products which are sold on a national and international basis.

Among its many successful brands is the innovative range of MB crusher and screener buckets, grapples and cutters, all of which are specially designed for use in the crushing, demolition and recycling sectors.

The range has become increasingly popular and well respected and trusted across Ireland and now EMS is planning to further grow the brand and is currently looking for expressions of interest from companies to represent the MB product in Northern Ireland; interested parties should contact Seamus at s.flynn@msmachinery.com

MB, of course, has been the world leader in the crushing field for over 18 years, with over 60 years of crushing expertise. All its equipment is designed to solve any type of situation, even the most challenging.

From excavators weighing more than 70 tons down to 3.5 tons, from loaders to backhoe loaders, to mini loaders to telescopic forklifts, there is always a suitable MB attachment.



Seamus Flynn, EMS Sales director, and HSS Hire & Laois Hire Group Managing Director Michael Killeen, with the new order of Mecalac dumpers.

Installation is quick and easy, whether it is a larger or a smaller unit in the MB range.

MB crushing buckets, for example, are typically perfect for crushing inert materials

directly on site, including rock, hardcore, stone, tile, concrete, glass and asphalt. This allows immediate on-site recycling and reuse of waste materials. They are ideal for a range





of applications and are predominantly used in the construction, demolition, quarrying, recycling and landscaping industries.

The advantages of an MB crushing bucket are many. It is much more versatile than traditional and cumbersome crushing plant.

It crushes materials directly on site, solving the problem of having to dispose of demolition materials offsite. Only one bucket is required to demolish, crush, recycle and load materials.

It can be used to load materials directly to a truck, eliminating the use of another bucket needed with traditional crushers, so it cuts down on time, transportation and manpower costs, too.

Incidentally, EMS Machinery allows customers to try out the range before deciding to buy, with MB buckets available for medium and long term hire.

Expanding Portfolio

While EMS has quite a comprehensive product portfolio, it is the policy of the company to continually explore

new products and markets, which will allow it to continue to satisfy the ever-evolving needs of its customers.

Other products available from EMS includes Montabert rockbreakers to suit carriers from 0.75 ton up to 120 ton, Mecalac site dumpers from 1 ton to 10 ton, the full Doosan range of mini and large excavators, mobile excavators and wheeled loaders, Kaeser compressors, Mecalac backhoes, Bobcat telehandlers, GEHL skidsteer loaders, Terex Trucks articulated hauliers, Simex road planers and wheel saws, and Weber compaction plates and rammers.

Service & Support

Whatever you decide, you can be sure of an excellent aftersales service and support from EMS who has a full workshop and spare parts facility at its premises in Naas, Co Kildare.

"Aftersales service is a crucial part of the offering from EMS," says Seamus Flynn, "and the company prides itself on its professional aftersales and product support. Our service department provides a complete field and workshop service operation, and we are

continually investing in people and facilities to ensure we provide the quality of service customers have come to expect from EMS."

Indeed, between its onsite and inhouse technicians, EMS is in a perfect position to resolve any problem – its technicians, who only use genuine spare parts, are equipped with the most advanced technology available to ensure your machine is back working as soon as possible.

The EMS parts department, which has an enviable reputation within the construction, agricultural, and industrial trade sectors for their excellent customer service, can also be accessed online to make it even easier for customers to get the part they require as quickly as possible.

EMS also offers preventative maintenance contracts for all types of equipment, and in the eventuality of a breakdown it can provide onsite assistance, or even replacement machines depending on availability at the time.





RECORD BAUMA ATTRACTS MORE THAN 620,000 VISITORS

With more than 620,000 visitors from over 200 countries, bauma 2019, the world's leading trade fair for construction machinery, building material machines, mining machines, construction vehicles and construction equipment, generated the best results in the exhibition's 65-year history.

The number of visitors rose by about 40,000 over the total produced during the previous event in 2016. More than 250,000 visitors came from countries outside Germany. Plant & Civil Engineer's Justin Carrigan was among them.

The top 10 visitor countries after Germany were: Austria, Italy, Switzerland, France, the Netherlands, Russia, Sweden, the Czech Republic, Poland and Great Britain.

The trade fair also experienced a strong increase in attendance from overseas visitors. Significant gains in this group were produced by China, Australia and Japan. More than 5,500 visitors came from China alone. The number of exhibitors totalled about 3,700 from 63 countries – likewise a record. With its unprecedented 614,000 square metres of space, the largest bauma ever held was once again a bauma filled with records.

During the 2019 edition, exhibitors unveiled a huge number of innovations



and new products to the trade fair's global visitors. Zeppelin/Caterpillar, for instance, introduced more than 20 world premieres. Business conducted at the exhibition was correspondingly good. Many exhibitors spoke of a high willingness to invest.

HYUNDAI 1 TONNE MINI EXCAVATOR MAKES ITS DEBUT

Hyundai Construction Equipment Europe (HCEE) has launched its smallest mini excavator. The new HX10A is the ideal workmate in closed spaces or urban areas and completes the HX machine line up which ranges now from 1 tonne – 90 tonnes.

The introduction of the new HX10A sees Hyundai enter the micro excavator market for the first time. With its slim design, the HX10A allows for easy transport and excellent access through doorways or operation in space confined areas.



THE HEARTBEAT OF OUR INDUSTRY

MB CRUSHER INTRODUCES NEW GENERATION OF SHAFTS SCREENERS

"With this new machine we pushed our boundaries: it is packed with innovative features and technology. After years of testing, we are thrilled to launch it onto the market, so that it can benefit the professionals and companies for whom it has been created."

With these words Diego Azzolin, Production Director at MB Crusher, announced the new generation of Shafts Screeners.

"The new MB-HDS series is radically different from all the other systems available on the market. It has been designed to be a real wild card: it can adapt to a range of different working environments and can select different types of materials with unprecedented simplicity and speed, without the need for a specialist or special training."



The record-setting bauma also had a strong impact on order books as exhibitors generated the highest sales in the history of their participation at the trade fair.

Thanks to the smooth operation of the exhibition and the consistently positive feedback by exhibitors, Klaus Dittrich, Chairman and CEO of Messe München, was more than satisfied with the results of bauma 2019: "For the industry, bauma is by far the world's most important innovation platform and economic engine, something that we clearly saw this year."

"Particularly in these times of sweeping technological change that is being triggered by digitalization, bauma provides the industry with security and confidence. Thanks to the momentum in demand generated by the fair's seven days, companies will be able to calmly face economic slowdowns. bauma 2019 highlighted the opportunity and tremendous outlook of the industry as a whole."

Franz-Josef Paus, Managing Director of Hermann Paus Maschinenfabrik and Chairman of the bauma Advisory Council, described the trade fair's unique character this way: "With exhibitors from more than 60 countries and visitors from over 200 nations, bauma is an industry platform where technological variety, ingenuity and performance can be demonstrated to an immense international business audience."

Exhibitors

For exhibitors, bauma 2019 was a complete success, as occasionally euphoric statements about it showed. Masa Managing Director Frank W. Reschke described it as "the most successful bauma of all times."

Martin Herrenknecht agreed: "Every bauma is something special. But 2019 topped everything for Herrenknecht." Domenico G. Ruccolo, CEO of the Wirtgen Group, rated bauma 2019 as "the most successful in the history of the Wirtgen Group."

Once again, bauma proved itself to be an excellent business platform, many exhibitors noted. Andreas Böhm, a member of the Board of Directors of Liebherr International AG, said: "We took orders from all parts of the world and made a whole lot of new contacts."

PERI is also "taking many excellent orders home with it," said Alexander Schwörer, Managing Director for Marketing and Sales.

Zeppelin Baumaschinen also "closed a lot of business deals," said Fred Cordes, Chairman of the Management Board.

Joachim Schmid, Managing Director of the Construction Machinery and Building Material Association of the German Engineering Federation, said he learned one thing in his conversations with exhibitors: "Many trade fair exhibitors had a specific interest in buying when they dropped by company booths, something that fuels hopes for continuing economic stability."



METSO TO LAUNCH A NEW, COMPACT MOBILE SCREEN FOR ENTRY-LEVEL BUSINESSES

Metso is introducing a completely new mobile screen unit enabling new business opportunities in screening.

The Lokotrack ST2.3 brings the proven quality and operational reliability of Lokotrack track-mounted solutions to a completely new lighter-weight screening solution. Thanks to its compact and safety-driven design, the easy-to-use ST2.3 is an ideal solution for entrepreneurs looking to enter the screening business.



KUBOTA UNVEILS THE PROTOTYPE KX019-4 LPG MINI EXCAVATOR

Kubota has unveiled the KX019-4 LPG (Liquid Petrol Gas) mini excavator prototype, which can run on LPG and is powered by a next generation Kubota Spark Ignition series engine.

The new KX019-4 LPG makes it possible for users to work in emission restricted access areas such as cities applying diesel-bans and also generates less noise emissions. Using the industrial standard gas bottles available everywhere, the machine is easily and quickly refuelled by replacing the bottle. The machine is equipped with a reserve tank (gas accumulator) so that the operator can notice before the gas bottle becomes empty.



HYUNDAI CONSTRUCTION EQUIPMENT PREPARE THEIR EXCAVATORS FOR ENGCON TILTROTATORS

Hyundai Construction Equipment Europe (HCEE) and the Swedish expert for tiltrotators, Engcon, have announced a cooperation in terms of product completion.

Customers of a Hyundai excavator are now able to order a machine which will have an Engcon tiltrotator ready mounted by the factory. That means no lengthy or complicated retrofit at the dealer or customer site needed anymore, including a factory-installed technology, passing the same quality gates as the machine.



Visitors

bauma 2019 was impressive not just because of the internationality of the visitors who journeyed from all parts of the world to Munich. "The quality and quantity of decision makers from our target groups were exceptional," Martin Herrenknecht said. Gernot Hein, Director of Communications and Public Affairs at ZF Friedrichshafen, said: "The number and quality of professional conversations were very high."

And Riccardo Magni, the President of Magni Telescopic Handlers, had an explanation for the trade fair's tremendous performance: "The experienced and professional visitors and the careful organization were the foundation of bauma's success."

The clear focal point of this year's bauma was sustainable and digital solutions. All exhibitors agreed that digitalization is a "megatrend" in the construction machinery industry, said Andreas Klausner, the CEO of PALFINGER AG.

Sensors and communication interfaces that collect and analyze data have become standard equipment. Overall, machines and vehicles are becoming cleaner, quieter and more efficient. Many now have electric and hybrid drive systems. "Customers' interest in electric drive systems has never been so high as it was this year," said Dr. Frank Hiller, Chairman of the Board of Management at DEUTZ AG. "It was a dominant issue at bauma 2019." Some of the most interesting innovations were honored

with the bauma Innovation Award on the evening before the trade fair opened.

Bauma's visitors added a strong new accent to Munich during the seven-day trade fair. There were people from all parts of the world everywhere you looked – this was the defining feature of the fairgrounds in Riem, both in the halls and on the outdoor exhibition area.

Visitors massed at the trade fair's hot spots, the impressive vehicle and machine displays set up by major exhibitors.

In addition to its industrial focus, bauma was also a huge world of experience and adventure with a selfie tower and Ferris wheel.





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CDE has launched the Combo in a move set to revolutionise the wet processing industry; the world's first all-in-one wet processing plant encompasses five processes - feeding, sizing, sand washing, stockpiling and complete integrated water management which is a first for the industry and an important innovation to address a challenge

faced by all customers of wet processing systems.

Sean Kerr, Chief Operating Officer, CDE said: "The Combo is no ordinary machine but rather a technological response to the challenges faced by materials producers. It has been designed with a focus on transferring greater reliability and efficiency benefits to customers. Offering a turnkey solution that delivers unrivalled control of in-spec washed products from a wide range of feed materials the Combo can be used in the construction, C&D waste recycling, industrial sands, mining and environmental sectors."



HYDREMA READY TO RAISE STANDARDS FOR SAFETY WITH NEW DUMP TRUCK

Hydrema is ready to set new safety standards for working with small dump trucks; the Danish construction equipment manufacturer has launched a new dump truck that breaks with old traditions by offering a brand new design in the 6-9t sector.

This new machine, which has been made to comply, in particular, with the UK safety regulations concerning site dumpers, is the world's largest site dumper market and in the last couple of years operators and contractors have pioneered a strategy to reduce dumper accidents on site.

NEXT BAUMA THE NEXT BAUMA WILL BE HELD FROM APRIL 4 TO 10, 2022, AT THE MESSE MÜNCHEN EXHIBITION CENTER.



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YOUR CONSTRUCTION SHOW

NEW MACHINERY, ALONGSIDE NEW INITIATIVES TAKE CENTRE STAGE AT PLANTWORX

The Plantworx Construction Machinery Exhibition hosted by the CEA (Construction Equipment Association) is almost upon us! The 4th biennial working construction event is taking place at its brand-new home at the East of England Arena in Peterborough from 11-13 June.

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 spans more than 140,000 square metres – that's an area bigger than 20-premier league football pitches – so a good pair of walking boots are advised.

With more than 120 companies making their show debut, it promises to be another record-breaking event.

Rob Oliver, Chief Executive of the CEA (Construction Equipment Association) said, "After Bauma, Plantworx will be the first opportunity to see new products from many of the major OEMs. With the advent of Stage V engine requirements – and more entrants into the electric-powered arena, Plantworx 2019 promises to be the best yet to see new machines."

Plantworx will also see the launch of the Construction Equipment Association's latest Sector Report, on the UK construction equipment industry which reveals that the prospect of Brexit has not had a direct impact on sales of construction machinery in the UK.

Extracts from the interim report showed record revenue for the industry in 2018, with sales of £13bn, up by 18% on the benchmark set for 2013.

The UK was the largest producer of construction equipment in Europe in 2018, and the 5th largest in the world – producing in excess of 60,000 units – earning manufacturers around £13bn in revenue. The confidence of the sector is due in part to massive infrastructure projects like High Speed 2 (HS2), Hinkley Point C and Highways England's current £15bn five-year roads programme (RP1).

The Government has committed to further significant infrastructure investment and aims to expand the current housebuilding programme by another 30 per cent to 300,000 new homes a year. 2017 was a record year for new infrastructure and housing projects, with a value of around £106.5 billion.

CONTINUED ON PAGE 52 →



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CONTINUED

Investment in R&D increased a further 10% in 2018 to £220m and at Plantworx visitors will see first-hand the fruits of the manufacturers' labour, with more entrants into the electric powered arena and a significant rise in manufacturers' use of digitalisation and automation.

The use of Drones in construction has also grown dramatically in a short space of time - Plantworx has embraced this aerial revolution and for the first time will host a dedicated Drone Fly Area - where suppliers will demonstrate the very latest in UAV technology.

Skills Shortage

There are 1,500 companies in the construction equipment supply chain, with a total direct workforce of 42,000. Yet the final Sector Report will reveal that one of the biggest challenges facing the industry remains that of skills. The skills gap for UK construction equipment operators and manufacturers is widening. The technological advancements expected in the CE sector in the next 10 - 15 years are going to broaden this gap even further - particularly with emerging technologies. Automation and autonomy can fill that gap, but it is still a big challenge for the industry.

The final day at Plantworx (Thursday, 13 June) is dedicated to encouraging new blood into the industry and is welcoming primary and secondary schools and colleges to the event to explore the construction sector and the diverse opportunities it can offer.

The Plantworx indoor arena will also host the Get SET (Skills, Employment, Education and Training) zone which is designed to help visitors and exhibitors explore job openings, training courses and apprenticeships. There will also be support and advice about

education, including upskilling, employment and training opportunities across the both the rail and construction sectors.

Dig Zone

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.

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.

The show also has 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.

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 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!

Entry Tickets

Put the 11th, 12th, 13th June 2019 in your diary - the Plantworx team look forward to welcoming you all to East of England Arena and Events Centre, Peterborough for Plantworx and Railworx.

Register now for your free Fast Track Entry tickets to the show at www.plantworx.co.uk/event/2019/tickets



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Experience the Hyundai Effect.

More New Launches, More Exhibitors...

Many other new launches have been confirmed by exhibitors. Here, we highlight a selection of other companies exhibiting new products, equipment and/or services at the show.



Hidromek, is showing the new HMK 145 LC SR excavator, the company say it's designed to work with power and precision in tight spaces, reducing the risk of damage and improving safety in all fields and conditions. Opera Control System is used to facilitate the easy use of the machine. **Stand G3**



Miller will be exclusively launching, what they claim to be, their safest, most innovative, intelligent quick coupler; the GT Series at Plantworx 2019.

The innovative GT Quick coupler features an Intelligent Coupler Connect System as well as a novel ISO complaint locking system, devised to ensure that the widest set of OEM pin pickups are safely attached even if there is a loss of hydraulic power.



Finning will be showcasing the new range of Award winnin Next-Generation Caterpillar Mini-Excavators at Plantworx, giving UK customers the chance to experience the huge range of features that make operating easier and more efficient. The eleven new models in the Cat® mini hydraulic excavator line-up start at 1.5 tonnes and stretches up to Caterpillar's first ever 10 tonne excavator.

Magni UK is showing the new Magni RTH 8.25SH at Plantworx. This model was first launched at Vertikal Days, the model at its launch, held the record for being the heaviest capacity rotating telehandler in the world.

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.



Rototilt says that a tiltrotator completely changes the way of using an excavator.

It transforms the excavator to a multi-tool carrier. Until last year, this was only possible at excavators up to 32 tonne.

With Rototilt's new model R9, the biggest tiltrotator in the universe, this is now also possible at excavators up to 40 Tonne.



Takeuchi is back at the Show with a new towable mini. The new Takeuchi TB225 2.25 tonne mini machine is ideal for tool hire companies looking for a towable mini that sits safely within trailer towing limits.

The machine was specifically designed to meet the growing demand by hire companies who wanted a heavier Takeuchi within trailer towing weight.

Available in both cab and canopy, it powers in just under 2400kg cab or 2265kg canopy with plenty of room for extras in the trailer. The machine also comes with an integrated trailer tie-down.



Montracon has taken a leaf from the car industry when designing its new MT45 machinery carrier by engineering a standard specification base platform, with a range of optional modules, providing a trailer with unrivalled load versatility and its owner with optimum operational flexibility.

The MT45 is plated up to 45t gross trailer weight and includes a low profile trailer neck coupled with a reduced incline air operated neck ramp.

ATE are exhibiting its Towmate plant trailers as first revealed at the Executive Hire Show earlier in the year. "We have listened to the valuable feedback of our customers and will be showcasing the new, improved prototypes – available to purchase soon – and we'll also have a hog roast at our stand – contact marketing@ate-uk.com for your exclusive invitation. We look forward to seeing you at **stand B7**."



CONSTRUCTION SOLUTIONS REDEFINED



NEW R-SERIES EXCAVATORS ENHANCE THE BOBCAT CONSTRUCTION RANGE

At Bobcat, we develop loaders, excavators, telehandlers and more than 100 attachments to get your job done. For over 60 years, our machines have proved how tough they are on site. But instead of looking back, we're constantly focusing on the future, to make sure we are shaping it for you.

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A number of the products on the **Doosan Construction Equipment** stand are being shown for the first time.

They include the company's new Stage V DX27Z, DX62R-3 and DX85R-3 mini-excavators, the latest version of the DA30 articulated dump truck (ADT) and the new DL420CVT-5 wheel loader.



Atlas Copco's E-Air electric-powered compressor is part of the company's new award-winning Power Technique range.

The E-Air provides up to 40% greater flow for the same power consumption as conventional portable compressors while weighing less and having a 15% smaller footprint than comparable models.

Altrad Belle will showcase the new RPX 59 range of heavy-duty reversible plate compactors which are being launched to extend the RPX family alongside the RPX 35.

Built to withstand the harshest site conditions, it has an improved baseplate design for excellent gradeability, increased travel speeds and a higher compaction force for shorter usage times and deeper compaction.



Tobrocco-Giant is showing the company's all-rounder GIANT skid steer. Whether it concerns construction & demolition or maintaining roads and paths, the GIANT skid steer loader cleans, sweeps and demolishes!

This ultra-compact machine has a minimum width of 76cm built with 350kg lift capacity. It can be equipped with an integrated diesel particulate filter reducing emissions by 90%!

For working with hydraulically driven attachments (rotary mower, sweeper, hydraulic hammer, etc.) the machines can be equipped with a double gear pump.



Yanmar has released its first Stage V compliant engines, having received certification for the European off-road emission legislation that came into effect from January 2019.

There are three Yanmar air-cooled diesel engine models available under 19kW; the L48V, L70V and L100V. Ranging from 3.1kW to 6.8kW these engines feature both recoil and electric start facility.



In 2018, **Mecalac** commenced a game-changing R&D project to redefine the compaction roller market. The result - its all-new TV1200 - this new concept is driven exclusively with a joystick on the right-hand side console. In removing the roller's steering column, Mecalac has revolutionised the access and driving style of this type of vehicle.

SITECH UK & Ireland will be bringing the latest in machine control technology to Plantworx this year in the form of the Trimble® Earthworks Grade Control Platform.

This next-generation control system is designed to optimise your mixed fleet and create an integrated site solution.

With a simple and intuitive platform utilising Android™ UI on a 10-inch touch screen, visitors can learn more and trial the system on the company's advanced simulator.



Brigade Electronics, a market leading supplier of safety devices, is introducing its new Backsense Radar On-Screen Display.

Brigade's Backsense® radar sensor systems detect people and objects in vehicle blind spots, significantly reducing accidents.

Working in conjunction with a Backeye® camera monitor system and up to two Backsense® Network radar detection systems, the on-screen display module warns the driver of obstacles in the danger zone by overlaying 5-stage audible and visual radar data onto the camera image on the monitor.

The **Merlo** ROTO range has changed the movement method for telehandlers by introducing the rotating turret system that could rotate 360 degrees without having to reposition the machine.

Now the new ROTO family marks a new era, introducing new standards in the field of telehandlers for the Construction sectors and expanding the product offer with three different ranges.

The new ROTO stands out for the next high-comfort cab, the new "modular" construction concept and for the use of technology that increases safety standards and an unparalleled level of performance and efficiency.

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Hyundai Offering 'Hands On' Experience at Show

Hyundai Construction Equipment Europe (HCEE) will show eight machines, including two new models, on the company's 1,440 m² stand - which is located in the 'dig zone' area H15 - H16.

With a 576 m² demo area, the HCEE stand offers an invaluable experience for everybody working in the construction sector.



Plantworx will see the UK launch of the new HX220AL 22-tonne, crawler excavator with Stage V engine, which will be available for testing in the demo area alongside the R30Z-9AK, which is a three-tonne zero tail-swing compact excavator.

Visitors to the Hyundai stand will have plenty of opportunities to see and experience what makes Hyundai construction equipment machines a popular choice for operators, hirers and contractors. Dedicated Hyundai product specialists and the UK dealer teams will be on-hand to highlight the

important machine differences and describe key features and new technologies.

Adjacent to the demo area, visitors will find the static area showcasing six additional machines: the brand new HX10A, which was first launched at Bauma Munich, the 13-tonne HX130LCR, the 14-tonne HX140LC, the 30-tonne HX300 L, the 14-tonne HW140 wheeled excavator and the HL955 wheeled loading shovel.

The Hyundai A-Series are machines that comply with the European stage V emission levels - and cover Hyundai Construction Equipment Europe's complete product range which includes, compact excavators, crawler excavators, wheeled excavators and wheel loaders.

Hyundai have not only fulfilled the European mandatory requirements - with the new Hyundai A-Series - but have exceeded expectations by offering its broad customer base maximum performance, enhanced productivity, additional safety features, improved uptime management, while at

the same time the machines remain convenient and 'user friendly' for the operators.

Hands on experience is exactly what Plantworx is all about. Hyundai believe that the best way to find out why the brand continues to grow in popularity within the sector, is to get 'up close and personal' with their machines and meet with the team behind the brand.

A vital part of the customer journey is the machine experience - and with this firmly in mind - Hyundai is inviting Plantworx visitors to put on their work boots, don their hard hat and enter the cabin of the South-Korean manufacturers 'world-class' machines. Hyundai report that the only way to know how Hyundai equipment will perform at a jobsite is to put it to work and experience it first-hand.

The general theme on the Hyundai stand at Plantworx is the 'Hyundai Effect, which the company say, is synonymous with the customer's experience when working with Hyundai, ranging from a top-notch machine and technology experience, to the complete peace of mind thanks to the wide dealer network, the great service provided and the strong spare parts availability throughout Europe.

NOX Tiltrotator Sets New Standards

For the second Plantworx in succession, Kinshofer will share a stand with fellow Group company Auger Torque and will feature both static and live demonstrations that focus primarily on the versatility of the cylinderless NOX Tiltrotator range.

As well as the more established models in the series, there will be previews of two new model sizes, the NOXTR07 and NOXTR11, and a chance to learn more of the newly developed and highly advanced NOXPROP CSP control system.

A full assortment of products that complement the NOX range from Kinshofer's one-stop-shop will also be on display - showcasing the breadth, high quality and global expertise that make Kinshofer a unique player in the UK attachments market. The HPXdrive range of

cylinderless, low-maintenance grabs, plus twin-lock quick hitches, drum cutters, and the Swedish designed '3-in-1' SK13 bucket, specifically for use with tiltrotators, will be present.

There will be a live NOX Demonstrator machine, courtesy of authorised Kinshofer dealer Dunrave Plant Services, showcasing the NOX and the advantages of its cylinderless design and consistent torque delivery across a large 50 degree tilt angle.

Additionally, Kinshofer Group company RF Systems, based in Sweden, will be displaying the NOX Tiltrotator at the Railworx show (stand RB4). The NOX gained Network Rail Product Approval status in the



UK last year and has seen great success within the rail sector since, due mainly to its cylinderless design. A selection of rail specific product also on display will include Ballast Tampers, Ballast Brushes, Sleeper Changers and Clamshell Buckets.



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Strickland MFG Set to Introduce New Innovations

Strickland MFG's sales team are excited to be showing off their tried and trusted product lines, including the S-LOCK COUPLER, the most versatile coupler on the market, with the least moving parts; alongside these will be a few new introductions.

Strickland MFG, Europe's largest stockist of Buckets, Couplers & Attachments entered 2019 with a bang, taking up where the last trading day of 2018 ended.

Being the preferred choice on both buckets and couplers for the majority of both OEM's & OED's in UK & Ireland as well as the large Plant Hire companies, means that the sales team are kept on their toes at all times.

"Being in a position to react quickly to our customers demands sets us apart from our competitors," says National Key Accounts Manager Nicola Troy. "We have again increased our market share over the last 12 months. Having a dedicated and knowledgeable sales team who make the effort to know their customers individual requirements gives our customers the confidence that they will receive what they want, when they want and how they want it.

"This year on year growth that we have been seeing has required us to grow our sales team, with new Admin & Account Managers coming on board in 2019."

With an Ireland based manufacturing facility, producing hydraulic couplers for UK, Ireland & the worldwide market and a UK based



Head Office holding in excess of £5 million worth of finished product available for immediate shipment, Strickland MFG still remain a force to be reckoned with within the construction industry. They are recognised as a market leader, an accolade they have worked hard for and are very proud of.

Innovation is Electric on the Bobcat Stand

Plantworx will see the first appearance in the UK of the new Bobcat E10e Electric Mini-Excavator, the industry's first commercially available battery-powered, zero tail swing mini-excavator in the one tonne class.

The E10e is part of a full display of Bobcat mini-excavators that includes the new R-Series models from 2-4 tonne at Plantworx for the first time. Bobcat is also debuting new telehandlers and compact loaders at the show.

The new E10e mini-excavator answers a customer need for a zero emission and low noise tool for indoor work. Combining this with a width of just 71 cm, Bobcat's new E10e battery-powered, zero tail swing (ZTS) mini-excavator can easily pass through standard doors and in and out of lifts.

Explaining why Bobcat has concentrated on this area of the electric excavator market, Jarry Fiser, Mini-Excavator Product Line Director, Doosan Bobcat EMEA, said: "Based on market research and customer interest, we concluded that the 1 tonne electric mini-excavator sector is the most useful type and size - it is ideal for indoor demolition and basement digging. In addition, by



coupling the E10e to an optional external Bobcat super-charger, the E10e can operate for a full working day, while operators are on normal work breaks."

Another important UK premiere at Plantworx will be the new advanced Remote Control System for Bobcat compact loaders, one of a number of new attachments on show, including a new range of flail mowers for Bobcat mini-excavators. Bobcat will also be demonstrating 3D laser grading using the company's compact track loaders.

Bobcat is the first manufacturer to introduce a Remote Control System as original 'Plug&Play' equipment rather than offering it as an add-on development from a third party. It is compatible with Bobcat compact loaders equipped with the company's Selectable Joystick Controls. The new system will be commercially available later this year.

Being able to control the loader from outside the cab offers the operator a completely new and alternative opportunity in terms of visibility and communication. The new plug and play system

comprises an easily portable and industrial radio remote control solution that can be mounted and dismantled on machines in a matter of minutes, leaving behind the standard machine in its original form.

Bobcat is also showing the new high performance Bobcat TL43.80HF telehandler at Plantworx for the first time. The TL43.80HF offers a high lift capacity of 4.3 tonne and a maximum lift height of almost 8 m, for handling applications in general industry and recycling. It is also ideal for farming work.

The TL43.80HF is designed with a heavy duty concept comprising reinforced axles, an additional counterweight and Z-bar kinematics which together give an outstanding range of motion and extra break-out force, combined with the fastest boom movement available in this market.

Bobcat's TL30.70 compact telehandler is also a newcomer to Plantworx. The TL30.70 provides a maximum lift capacity of 3 tonne and a maximum lift height of nearly 7 m, for a wide range of applications found in the construction and rental industries. The compact width of 2.1 m in the TL30.70 ensures it provides a cost effective format in the 7 m class.



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SPECIFICATIONS

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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

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Plantworx Innovation Award Winners 2019

Innovation comes in many forms – from new machines to safety initiatives, and from simple solutions to the latest digital technology. The best innovations in the construction and rail equipment sectors have been celebrated with the announcement of the Plantworx Innovation Awards 2019 Winners.

The winners were announced and presented with their awards following the CEA's (Construction Equipment Association) annual conference, during a Gala Dinner, hosted by snooker legend, Steve Davis OBE.

More than 150 guests attended the presentation, which took place at the Plantworx exhibition's new home at the East of England Arena in Peterborough. The entries were judged by a panel of experts

with knowledge and understanding of the construction and rail industries and of the importance of innovation in today's market.

The judges awarded Gold, Silver and Bronze awards to the best innovations in each category, and all of the innovations will be prominently displayed during Plantworx and Railworx from 11-13 June 2019 at the East of England Showground.



The Certas Energy UK team celebrating their award win in the environmental category for the company's Shell GTL Fuel.



The Plantworx Award winners were announced at a Gala Dinner at the East of England Arena.

WINNERS

Commitment to Skills And Training - Gold:

Nylacast; **Silver:** A-Plant; **Bronze:** Mecalac

Digital Innovation – Gold: Bomag (BOMAP app);

Silver: Silbuster (Clarity)

Efficiency- Gold: Thomson Engineering (EDC15-01 E-Clip

De-Clipper); **Silver:** Young Black (RB441T/CE TwinTier);

Bronze: Caterpillar (Next Generation Cat Mini Excavators)

Engineering - Gold: British Steel (next generation descaling);

Silver: Atlas Copco (Power Technique E Air 250);

Bronze: Tufftruk Ltd (Truxta EV Mini Dumper)

Security - Gold: CanTrack Global Ltd (CanTrack Protect);

Silver: Amber Valley (ToolDefend alarm)

Environmental - Gold: Wacker Neuson (DW15e Electric Site

Dumper); **Silver:** AJC Trailers (EasyCabin EcoSmart ZERO);

Bronze: Certas Energy UK Ltd (Shell GTL Fuel)

Non-Operated Plant & Support Products -

Gold: Brendon Powerwashers (Dustec DT400);

Silver: Ground-Guards Ltd (KerbGuards KG 400 and KG 90)

Safety Innovation - Gold: Wacker Neuson (Dual View Truck);

Silver: Dual Inventive (Minfo 3000); **Bronze:** GKD (Height&Slew)



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NOX+Powerful operation
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NOX+Increased versatility
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NOX+Smart control system
NOXPROP smooth, fully-proportional controls reduce operator fatigue and offer multi-user profiling



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JCB Excavators Build X-Citement For Plantworx

Plantworx 2019 will mark the first public appearance for JCB's brand new 13-16-tonne X Series excavators - purpose built for ground working specialists. They will be joined by the 19C-1E electric mini excavator.

Joining the 210X and 220X models launched last year, the new 131X, 140X and 150X feature the JCB X Series hallmarks of robust durable design, increased productivity and improved operator comfort and ease of use.

Key features of the new 131X, 140X and 150X include: a wider operator cab for all-day comfort, in cab noise reductions of up to 68%, modern styling with durable strike points to reduce total ownership cost and increased diameter high-flow pipework to boost efficiency. The two larger models also deliver a 6% improvement in tonnes per litre productivity.



JCB Chief Innovation and Growth Officer Tim Burnhope said: "In the UK alone this class of machine accounts for nearly 60% of all tracked excavators sold, so we are hugely excited about the introduction on three new X Series machines which cater directly for

the needs of the all-important groundworks sector. The 210X and 220X have already delivered on customers' demands for greater levels of strength, durability, comfort, ease of use, reliability, efficiency, productivity and serviceability in the 20-tonne sector, so we are delighted to bring this new level of detail to our 13 and 16 tonne models."

Zero emission operation at point of use, with no tethers or unsafe trailing cables, the new, fully electric 19C-1E mini excavator will allow contractors to work inside buildings and in emissions-sensitive inner-city environments or underground without having to install costly exhaust extraction equipment.

Utilising leading-edge automotive battery technology, the 19C-1E will deliver all of the performance of a conventional diesel-powered 1.9-tonne mini excavator with a reduction of both internal and external noise levels.

Contractors will also be able to work after normal hours in urban streets, without disturbing residents, as well as operating in other noise sensitive environments including near hospitals and schools.

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Geith Products are Innovative and Durable

Geith has maintained a premium product quality for the past 60 years and still have one of the most durable buckets, quick hitches and attachments available worldwide – and there are good reasons for that.

For one, Geith has always been known for having excellent welding on all of its products. Its welding process focuses on having proper penetration with an emphasis on “dressing” the finished weld properly to reduce the possibility of cracking.

In addition, Geith has always used highly abrasive resistant material in its cutting edges and all contact points on bucket. Geith uses the most flexible, durable,

weldable material available for all its range of Quick Hitches and Attachments from 1 to 90 tonne machines

Geith has consistently redesigned its products over the past 60 years to align with customers’ evolving demands, allowing improved machine performance and attachment safety. This constant design focus has helped keep Geith as the world’s premium attachments manufacturer.

From Alaska to Alabama, Mexico to Montenegro, Dublin to Durban, Melbourne to Manchester, Riyadh to Rome, Geith continues to grow, evolve and be the benchmark for attachments quality.



Mecalac to showcase new model line-up

Mecalac Construction Equipment UK (CEUK) will showcase a suite of new additions to its compact equipment portfolio.

The result of significant research and development, each innovative model has been developed to set the standards in performance, productivity and safety. From ground-up design to class-leading operator technologies, each update has been specifically designed with the user in mind. New models include:

The latest payload addition to Mecalac’s pioneering cabbed site dumper range, the 3MDX features a 37kW (50 HP) Kubota D1803 diesel engine and boasts a ground-up focus on site safety features. With operator technologies including driver presence detection with seatbelt warning, stop-start, idle shut off, auto park brake test and a service alert, the model sets new standards of safety, comfort and productivity.

With an operating weight of 2810kg the 3MDX delivers outstanding manoeuvrability and a hydrostatic transmission offering a top speed of 19kph for improved productivity. The new model set to be launched in 2020 meets Stage V emissions standards.



While most tandem rollers are manoeuvred using a steering wheel, the TV1200 has been re-imagined with a joystick design. 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.

Mecalac’s latest tandem roller concept (which is looking to be available in 2020) has also undergone an extensive facelift, with the entire architecture redesigned for better visibility to ease operation. Redesigned to incorporate hydrostatic drive, the MBR-71 pedestrian roller delivers greater flexibility and ease of use for site workers.

Specifically designed for the compaction of granular and asphalt materials, the MBR-71 is perfectly suited to applications including highway repair, footpaths, cycle lanes, playgrounds and landscaping environments.

Meanwhile, also updated for 2019, the latest MCR crawler-skid excavator from Mecalac features a Stage V-compliant engine, new rejuvenated hood design and an optional excavator type boom on the smallest model. Compact, productive, fast and efficient, the MCR can switch from compact tracked excavator (top speed of 10 km/h) to loader (360° rotation capability) within seconds.

Available in three model variations – 6MCR (0.49m³ bucket capacity), 8MCR (0.53m³ bucket capacity) and 10MCR (0.75m³ bucket capacity) – each unit is powered by a 55kW engine and features unbeatable total swing diameter.

Also on show will be the Mecalac TLB range. With acceleration and road speed essential for high operator productivity, Mecalac’s renowned backhoe loader portfolio has been revamped for 2019 to incorporate all-new Carraro direct drive transmission.

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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

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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.

DENNISON JCB

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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.

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.

PLANT, CONSTRUCTION & QUARRY AWARDS 2019



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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.



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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.

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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.



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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.



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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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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
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Avant Tecno introduces new Avant 800 series

The completely NEW 800 series is the largest and most powerful loader series from the Finnish manufacturer Avant Tecno.

AVANT Tecno (UK) Ltd will use the 2019 Plantworx event to launch the brand-new flagship 860i model:

- Avant 860i telescopic loader with Kohler KDI 1903 TCR 42 kW/57 hp common rail turbocharged diesel engine, EU Stage V and US Tier 4 final compliant.
- Versatile compact loader with more lifting capacity (1900kg) and more lifting height (3.5m)
- Standard specification includes telescopic boom with smooth drive, self levelling and boom floating system
- Hydrostatic transmission with a hydraulic drive motor on each wheel together with two drive speed areas
- Max. drive speed of the 800 series is 30 km/h
- Auxiliary hydraulics oil flow for attachments is as high as 80 l/min.

Avant 800 series has a certified ROPS/FOPS open cab as standard, in addition an enclosed heated cab is available as an option. This DLX cab mounts on the chassis of the loader with anti-vibration mounts, which guarantees excellent noise and vibration isolation. Efficient heating and ventilation and large windows further improve user friendliness. The DLX cab can be equipped with air conditioning as well.





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Respect our road workers, they are working to improve your journey

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.

Hundreds of workers carry out essential improvements to our roads across Northern Ireland every day, yet in recent years a number of road workers have been injured after being struck by vehicles driven by members of the public who disregarded stop signs and unlawfully drove through a road closure.

Andrew Murray, Deputy Secretary at the Department for Infrastructure, said: "The Department takes the safety of its employees, contractors and utility workers very seriously. Road workers are there to improve our journeys by carrying out essential work on carriageways and to ensure that essential services are available to homes and businesses by working on the utility equipment which lies beneath the roads. They should be permitted to carry out these duties without fear of injury or abuse.

"The Department tries to keep roads open as much as possible while work is carried out, but this can only be done with the co-operation of road users.

"Traffic controls are put in place for everyone's safety and by ignoring speed restrictions, stop signs and coned areas, you are not just risking the life of road workers, but you are also putting yourself and others in danger."

Gordon Best, Regional Director of MPANI which represents road maintenance companies contracted to DfI, said: "Road operatives do an incredible job often working in close proximity to live traffic that is too often passing at excessive speed. In addition, they regularly work unsociable hours, in difficult weather conditions and poor light,

to complete jobs so the public can have smoother journeys and better services.

"These men and women deserve to carry out their duties without fear for their safety so I would appeal to all road users to show respect, slow down and help protect the lives of our workforce."

The appeal is being supported by the PSNI who are reminding road users of the law around driving through or near road works.

Inspector Rosie Leech MBE explained: "The Police Service of Northern Ireland treat breaches of temporary speed limits in the same way as other permanent speed limits. During the last two years we have issued over 1,100 fixed penalties to road users breaching temporary speed limits, which carry a £60 fine and three penalty points. For those motorists who disregard 'Road Closed' signs we have a range of options available, from Fixed Penalty through to prosecution for Careless Driving.

"Considering that inappropriate speed for the conditions is still the single biggest cause of collisions which kill and seriously injure people on roads across Northern Ireland, breaking temporary speed limits though roadworks, particularly where contractors are working in close proximity to traffic, is incredibly dangerous and will not be tolerated.

"At major road work sites the lane alignment, road layout and temporary surfaces can change regularly, so it is absolutely critical that motorists drive at a safe speed for the prevailing conditions of the carriageway. There can be no justification for breaking these temporary speed limits day or night, whether there appears to be work ongoing or not.

"All road users must realise that speed and other temporary restrictions are not there to inconvenience them but to make our roads safer for everyone."

Delegation Meets with Conservative Party Group

As part of an NI Business delegation the MPANI Regional Director Gordon Best recently met with the Conservative Parties Alternative Arrangements Group, chaired by Nicky Morgan MP and Greg Hinds MP, in Belfast.

"Our delegation was extremely well prepared and co-ordinated," says Gordon. "The content and order of contributions was carefully considered from movements of milk and other products of animal origin. Most of the contributions were made by our side.

"The Commission team were more in listening mode. They presented no proposals. Neither was there any attempt to link this work to the workstream outlined in the recent Strasbourg agreement whereby the UK and EU would begin investigating any potential technological options post approval of the Withdrawal Agreement.

"The differences between a deal involving no rules of origin on intra-Single Customs Territory goods movements, with a system where separate customs territories are involved and rules of origin apply. The costs of even extensive mitigations on RoO remain high, particularly for SMEs."

He added: "On SPS, the alignment mechanism within the backstop permits friction free movements of fresh produce, some of which cross the N/S border and over to GB and back several times in manufacturing processes.

"We were open to seeing the fruits of their work on alternative arrangements but it clearly had to touch on many bases from regulatory alignment and conformity assessment to VAT and indirect tax to provide a solution approaching frictionless trade for our members and beyond.

"In general the AAC delegates seemed a bit taken aback by the level of complexity and detail in our examples. There was no rush to answer our problems. We agreed to stay in touch and to forward some more detailed stats to back up a number of the points we made. We will await their final report."

Young Leaders Group Visit Road Project

Our Young Leaders group recently visited the A6 Dual Carriageway construction project kindly hosted by the Graham Farrans Joint Venture.

Commented MPANI Regional Director Gordon Best: "I would again urge any young manager or supervisor reading this article to seriously consider joining the group.

"The networking and partnership building opportunities are enormous as well as getting to visit some very interesting places and projects."



Members of the MPANI Young Leaders Group who visited to CDE Global HQ in Cookstown earlier this year.



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BLOCKBUSTERS ENVIRONMENTAL SERVICES: LEADING THE WAY WITH CUTTING EDGE TECHNOLOGY



As one of our leading and long-established companies, Blockbusters Environmental Services specialises in drainage maintenance, civil works, oil contamination and no-dig pipe rehabilitation technology, with its teams of highly accredited surveyors and engineers working across numerous sites throughout the island of Ireland and the UK.

Its continuing and growing success is down to investment in people and in the very latest technology, enabling it to take on challenging and difficult contracts that others might shy away from.

Dedicated to providing efficient and reliable drainage solutions, the company has employed advanced equipment such as Trenchless Cured-in-Place Pipe (CIPP) technology and modern CCTV drain survey equipment in order to consistently deliver the best in class service for its customers.

The company was set up five years ago in Newry, County Down, by joint Managing Directors, Antoin Smyth and Bernard Murchan, and has offices in Dublin and Manchester; Antoin has been listed as one of Northern Ireland's Top 40 Under 40, featuring amongst some of the biggest



The installation of a liner under railway tracks, we were able to repair the entire length of a pipe without affecting the railway lines at all.

names across Northern Ireland including companies such as Ulster Bank and Deloitte.

With a highly trained and multi-skilled accredited workforce, the company is continually expanding its service offering and regularly adopts new cutting-edge technology to provide simple, cost effective solutions to its ever growing customer base.

The company, for example, employs the use of Trenchless CIPP technology, now a well proven and much utilised alternative to digging or lifting soil from roads, footpaths or even private patio areas. This, of course, results in less disruption and also makes it easier for the company's expert teams to detect any issues underground and repair the damage within a shorter time frame.

CIPP technology combines the use of heated fibreglass, UV rays and resin material to form a new pipe. Using this method, the pipes can

then be cured as the old pipe is replaced from the inside with a newly installed pipe. It is also more environmentally friendly as less vehicles and equipment are required, cutting down on fuel use and helping to protect the surrounding area as less digging is involved.

CIPP Trenchless technology employs a number of different processes, including patch repair which eradicates the need for costly, time consuming excavation and repair of the whole drainage system; it is a long term solution that has been tried and tested for many years.

"Our 'no-dig' advanced patch repair technology is used to reduce the resistance caused by cracks, holes or dislocated joints which have appeared in drains. This allows water to flow normally through the drains and reduces the likelihood of blocked drains," comments Antoin.



Confined space entry work, big emphasis on health and safety.



The Vacuum Excavator.



“Using our advanced CCTV camera drain survey, we firstly assess the location and main cause of the damage. Once we know the exact location of the damaged drain, we will carry out a simple small fracture in the drain and insert a packer or bladder. This will then be inflated, forcing the one metre long patch and resin lining to bond and secure itself to the inside of the drain.”

Robotic cutting

Then there’s ‘robotic cutting’, a revolutionary concept which helps to cut out lateral connections from small pipes. A uniquely engineered piece of equipment, a robotic cutter makes the process of drilling through pipes much more simple and easy. Robotic cutters are capable of drilling through a large range of materials from PVC through to cast iron pipes and obstructions such as tree roots, rock, gravel and even small amounts of concrete.

Manhole Repairs

With manholes increasingly in need of repair, manhole rehabilitation has become a lot more commonplace and CIPP technology

has revolutionised the way Blockbusters Environmental Services, as drainage specialists, approach the problem.

The technology is a proven long-term solution for manhole repair and is much safer since it can be installed without the need for confined space entry. It has helped to significantly decrease overall costs of manhole rehabilitation, whilst preserving the condition of the grounds around the manhole.

Vacuum Excavation

Two years ago, Blockbusters Environmental became the first company in Northern Ireland to acquire a Vacuum Excavator and remains one of the few companies in Ireland who specialise in vacuum excavation.

It offers a safe method of excavating soil from in and around existing pipelines, cables and sewers. Material is sucked up by the force of the air from a hydraulic power arm without directly touching anything. It is often used in areas where there are multiple utilities.

The method requires a smaller, self-contained excavation area, meaning there is less disruption to traffic and pedestrians. It is also

more environmentally friendly as there is less disturbance to the soils and ground materials.

Comments Bernard Murchan: “Vacuum excavation really is a no brainer - it is the safest, cleanest way to excavate and in particular in areas with utilities.”

Other Services

Blockbusters Environmental, which also operates a domestic division, offers a comprehensive range of other industrial and commercial services - from high pressure water jetting to clear debris from drains, and pumping station maintenance and cleansing, to CCTV drain surveys and cleaning up oil spills.

“Having numerous mobile teams on the ground across Northern Ireland, Ireland and the UK means that we can offer our services immediately for any emergencies; we can cater for customers nationwide at a moment’s notice,” adds Bernard. “We also understand that most of our industrial customers have very unique requirements for every project and we will always cater our drainage and maintenance services to their specific needs and requirements.”



CIPP Patch Repair of 1440mm Dia Concrete Pipe.



CCTV Survey of a 450mm dia brick sewer.



Relining of a culvert for Irish Rail.

CQMS19 IS A SHOW YOU CANNOT AFFORD TO MISS

All roads lead to Punchestown for the Construction & Quarry Machinery show (CQMS19) taking place on the 21st and 22nd of June. With the latest technology and equipment on show and expert panel talks, it is an event that anyone involved in construction and quarrying needs to attend.

Last time CQMS was held in Tullamore, Offaly, when over 8,000 came through the doors over two days. However not everyone liked the idea of having it in a quarry and wanted easier access, so it was decided to hold this year's event in Punchestown.

The famous Kildare racecourse is an ideal location. Just off the M7 motorway and close to the town of Naas, it ticks all the boxes with regard getting there and it has great facilities. Over 180 exhibitors will be on site, displaying a wide variety of equipment, services and parts.

The venue offers a clean and relaxed setting in which to do business. It also offers an opportunity to provide zones that couldn't be provided in a quarry.

The dig zone will allow you to test drive excavators yourself. The tipper test track will allow you to get behind the wheel of the wagon to get a good feel of it.

The tilt-rotator zone will allow you to see the latest tilts in action and where you can ask all the technical questions to satisfy your interests, while the green zone will allow you to see the machines that are becoming very popular in urban locations and where zero emissions are required.

The venue will also feature expert panel talks. In comfortable surroundings you will be able to hear expert advice and opinions on the latest technology, government capital



spending, equipment manufacturing, Brexit, large civil projects and lots more. There will also be large TV screens around the venue broadcasting live footage of interviews with machinery dealers and indeed end users.

Latest Products

Show visitors will be impressed with the latest and best products from leading companies such as Komatsu, Kobelco, Takeuchi, Yanmar, Case, Euro Auctions, Hitachi, AIB Finance, Bomag, Dynapac, Takeuchi, Dieci, Volvo, Sino, LiuGong, and RB Auctions. Earthmoving tyre providers such as Magna Tyres, BKT and Continental will showcase their toughest rubber, while attachment providers like Hill

Engineering and Geith will be there to display the best tools to complement your machine.

Tilt-rotators are becoming an essential piece of equipment for excavator owners, and top tilt makers Engcon, Steelwrist, Rototilt and Kinshofer will be turning heads with their latest products in a dedicated demonstration area.

Many Northern Irish dealers will be there, including Glendun Plant Sales, WAC McCandless, Epiroc, while Komatsu will be showcasing their new pre-installed software which is the very latest in cutting edge

CONTINUED ON PAGE 80 



**21st & 22nd
June 2019**



For more information contact
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CONTINUED

machine guidance systems. There will be a host of other brand-new exhibitors such as welfare cabin providers Rego Hire and drilling and trenching experts Lucas Plant Hire.

Ashbourne Truck Centre will also be showcasing their huge range of quarry-spec trailers. There is lot more for the visitor to view at the show such as new cabbed dumpers, new electric specialist equipment, quarry plant and demolition tools from Worsley Plant.

Meanwhile, Laois Hire will not only participate in this year's CQMS, but will also be involved as a co-sponsor. They plan to show off some of their new kit purchased recently as a result of heavy investment, part of their ambitious expansion plans, and are excited

to meet present and future clients helping to develop further brand awareness.

Test Drives & Talks

One highlight of the show will be the two-kilometre-long tipper truck route, where machines from the likes of DAF, Renault, Sino and MAN will be available for test drives. Visitors can also take in the conference section, where Minister Damien English will talk about Project Ireland 2040 and where the Government will be focusing the spend on capital projects.

Tom Parlon will talk on areas where the CIF feel this finance will be needed most, while Brendan Crowley, Head of Asset Finance at AIB, will give a talk on financing construction equipment in the future.

There will also be speakers from the worlds of civil engineering and recruitment, and construction equipment manufacturers will talk about products we can expect to see in the future.

Visitors to the show, which is held every second year, will also be able to view and learn about the future of 'green machinery' such as the new wave of hybrid and electric dump trucks and excavators coming onto the market, which are just as powerful as their diesel equivalents. However, diesel is not yet dead as manufacturers are rising to the green challenge and are beginning to produce diesel powered machines that are exceptionally clean and quiet enough to rival their potential electric counterparts.



21st & 22nd JUNE 2019

Strong Presence at CQMS Show by McSharry TRACK

McSharry TRACK will be at the show, with two impressive outdoor displays of Kobelco excavators and undercarriage parts.

They will present the full range of Kobelco excavators,

micro to heavy line, the only brand with a line-up that is completely hand-built in Japan. The Kobelco range is renowned for its build quality and fuel saving technologies and since relaunching in 2015 it has gained massively in popularity, not least

because of its fuel economy and its unique iNDR (integrated Noise & Dust reduction) system which comes as standard on the short radius range.

The new class leading SK75SR-7 and SK85MSR-7 models will be shown for the first time. On

the new models, engine output is increased 23%, cycle time increased 15%, and digging speed increased 37%. The cab has also been enhanced in terms of operability and comfort.

The McSharry TRACK stand will also showcase a selection of Okada hydraulic breakers that combine with their Kobelco excavators.

Undercarriage

Undercarriage can account for up to 40% of the spend on a machine over its lifetime, so operators should consider their options carefully.

McSharry TRACK are regarded as the most experienced undercarriage dealer in Ireland, being the exclusive Berco (Italy) undercarriage dealer for Republic of Ireland and Northern Ireland since 1979; Berco is recognised as the leading brand of undercarriage in the world.

McSharry TRACK have the largest range of undercarriage parts available ex-stock in Ireland, so customers can rely on immediate support and availability of parts.

At the show, McSharry TRACK will display a range of steel undercarriage parts and rubber tracks. They are also offering free advice and best quotes on the day.



CLOSE BROTHERS COMMERCIAL FINANCE CONSTRUCTION SMES FOCUSED ON GROWTH

According to research by Close Brothers Commercial Finance*, many Irish businesses are optimistic about the future. Almost a third expect their company to expand over the next 12 months.

Construction firms across the UK and Ireland have an even more positive outlook. Thinking about their performance over the coming year, 45% expect to grow and 55% plan to seek funding. It is evident that SMEs have growth ambitions despite the continuing political and economic uncertainty.

However, a recent study by Close Brothers shows that many companies do not know about all of the finance options available, which leaves some missing out on the funding solutions that are most appropriate for their needs. Asset finance is one such financial option.

Asset finance

Beyond traditional funding options, asset finance can be instrumental in helping SMEs to survive and thrive. At Close Brothers, we offer a range of solutions, including hire purchase, refinance and financial leases.

These products enable businesses to spread the cost of new assets such as commercial vehicles, construction, plant and machinery or release money from existing assets, giving them funding for day to day tasks and additional capital to help them move forward.

We have a wealth of experience working with the construction industry and will take the time to understand your needs and ambitions. Our asset finance solutions could provide the opportunity to raise working capital quickly at a competitive business finance rate.

Refinancing solutions

Refinance, for example, can help asset-rich SMEs access the equity tied up in their asset while continuing to use it for daily work.



It's simple and straight-forward. We value the asset, 'purchase' it from you, finance it back and at the end of the finance agreement, you will once again own the asset.

This highly flexible funding opportunity gives you cash up front. It's designed with businesses in mind, providing suitable, supportive funding for firms.

Close Brothers

Close Brothers is a UK merchant banking group providing lending, deposit taking, wealth management services, and securities trading. Close Brothers Group plc is listed on the London Stock Exchange and is a member of the FTSE 250.

Our core purpose is to help the people and businesses of Britain and Ireland thrive

over the long term. To achieve this, all of our diverse, specialist businesses have a deep industry knowledge, so they can understand the challenges and opportunities that our customers and clients face.

We support the unique needs of our customers and clients to ensure that they thrive, rather than simply survive, whatever the market conditions.



To find out more, visit www.closecommercialfinance.ie or call 02890 995 950

* All figures unless otherwise stated are from a GMI survey conducted April 2019. The survey canvassed the opinion of 896 SME owners and business managers from several industries across the UK and Ireland on a range of issues affecting their businesses. The survey was commissioned by modern merchant banking group, Close Brothers.



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focus on hire

CRUMLIN PLANT SALES, YANMAR AND DROMAD HIRE MAKE A PERFECT PARTNERSHIP

As one of Ireland's leading and award winning plant hire companies, Dromad Hire has built up a reputation for using only the best products available on the market; it is what their broad customer base expects, which is why they are continually investing in top brands like Yanmar, supplied by dealers Crumlin Plant Sales.

That working relationship with the Portadown based dealership has grown steadily over the past 27 years during which time Crumlin Plant Sales has delivered scores of machines and other products to the hire company which is headquartered in Dundalk.

It is a perfect partnership made possible by the quality of the

Yanmar brand and the service provided by Crumlin Plant Sales.

"We have been supplying Yanmar products to Dromad Hire since 2002; they have a great management team, an excellent company to work with and they appreciate the value of good service and customer loyalty," says Crumlin Plant Sales' Keith Willis.

He adds: "The Yanmar brand is clearly popular with their customers, not least because they are easy to operate and are reliable, featuring smooth hydraulics and good digging forces. They are also competitively priced and retain a good second hand value, all of which makes them ideal for hire."



Popular models supplied to Dromad Hire over the years range from the SV08 micro through to the 1.7 tonne VI017 and the bigger VI026.

The SV08 is a tenacious worker for narrow spots such as housing foundations, indoor



**A PERFECT
PARTNERSHIP
MADE POSSIBLE
BY THE QUALITY
OF THE YANMAR
BRAND AND
THE SERVICE
PROVIDED
BY CRUMLIN
PLANT SALES**



renovation, pipe laying and landscaping. Similarly with the VIO17, this is a machine that is ideal for work in narrow areas, where a conventional machine is not able to work, and like all Yanmar compact machines it is easy to transport from site to site.

The VIO26-6 is also a true zero tail swing mini-excavator that boasts a very small turning radius, and like the VIO17, neither the counterweight, nor the front part of the upper frame project beyond the track width, improving safety for both the operator and side workers, always critical on the jobsites.

Yanmar Construction Equipment Europe celebrated 50 years in business in 2018 when their relationship with Crumlin Plant Sales was placed on a more solid foundation by appointing them as official authorised dealer for Northern Ireland and parts of the Republic.

"Being able to deal direct with Yanmar since last July has given us a definite edge in the market as the pricing structure better favours both us and our customers, while

the service and back-up and spare parts prices are more competitive than ever," says Keith.

While Dromad Hire services and maintains its own Yanmar fleet, Crumlin Plant Sales supply all the necessary spare parts and accessories on a regular basis and being an appointed dealer means availability is never an issue.

Comments Seamus Byrne, Dromad Hire Managing Director: "We have always focused on quality when choosing manufactures to run in our rental fleet, but it is equally important to choose suppliers who can provide service, backup and aftersales support.

"Keith and Crumlin Plant have provided us with an unbeatable service over the years – which is probably the sole reason we continue to only run Yanmar diggers in our fleet."



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CP HIRE CONTINUES TO EXTEND ITS REACH AND IMPACT ACROSS THE UK

As more and more local contractors are securing work across the Irish Sea, CP Hire, with its growing network of hire outlets, is clearly well placed to meet their plant and machinery needs, and it has been doing just that!

A past winner of the 'Plant Hire Company of the Year' award, CP Hire has been making a big impact in recent times on the UK mainland. It is headed up by Andrew and David Hutchinson in Northern Ireland, along with John Rawnsley who is Managing Director of the CP Hire GB operation.

Celebrating

Not far away from celebrating half a century in business, CP Hire, founded by the late Norman Hutchinson in Coleraine, currently has seven depots province wide at Coleraine, Derry, Ballymena, Magherafelt, Dungannon, Belfast and Banbridge – and its depot network across the water



includes sites at Swansea, Cardiff, Bristol, Birmingham and Newbury, giving it an excellent geographical spread in the southern half of the UK.

It is eight years since the company, also a major winner at the Executive Hire Show awards in the past, first entered the market there, and its timing couldn't have been better, for over the

past number of years increasing numbers of local firms have won major contracts outside Northern Ireland; local firms working in England or Wales often prefer to do business with familiar names, and CP Hire has certainly benefitted from that.

"We are always happy to discuss the needs of any contractors here planning to take on work across the water. For some it might be a big step into the unknown, but hopefully we can assure them that we can supply any of their plant or machinery requirements," says Andrew.

Andrew adds: "Our growth in the south of England, especially, has been phenomenal in recent times. We now have a bigger business there than in Northern Ireland – and when you think about it, the population here is 1.7 million, but within a one hour drive radius of our depot in Birmingham, for example, we have access to 7.5 million people!

"House building sites in England can comprise up to 10,000 new homes, underlining the sheer scale of projects, compared to here in the Province, so it gives you an idea of the potential we at CP Hire can benefit from – and that is what we are doing."

That, of course, has necessitated major investment





by CP Hire. Having the latest up to date plant and equipment is essential, as many of the contracts in England stipulate that machinery on site must be no older than 24 months!

"Every hire company has to adhere to that standard, so for us at CP Hire it really comes down to being able to offer the very highest level of customer service and support, in addition to quality of the hire fleet," says Andrew, "all of which keeps us very focused on our business."

All of CP Hire's outlets in England and Wales, which employ a total of 90 people, concentrate on supplying plant only – from 0.8 tonne diggers to 20 tonne machines - whereas in Northern Ireland, tools also feature in its hire portfolio.

With the shortage of skilled operatives, especially across the water, CP Hire can also supply drivers; it currently has around 50 on its books, available for hire to customers.

"When we first opened a depot in Cardiff, we managed to secure business from a number of major contractors unhappy with the service they were getting at the time from other outlets and



CP Hire - Swansea Team

since then we have been able to build on that momentum over the years."

Experienced

Although Andrew is a regular visitor to CP Hire's depots across the water, the day to day business there is overseen by John Rawnsley, Managing Director of CP Hire (GB) Ltd., who has a highly experienced and fully focused and loyal team to support him. John's experience in the industry is vast, having held top positions with several major brands, including Bomag, Terex and Wacker Neuson Europe.

For CP Hire, success has been hard won, and the company is not resting on its laurels. "We constantly strive to stay ahead of the game, so to speak, by keeping our finger in the pulse of the industry; we are always looking to

grow and to better develop the service we provide; we are still very passionate about the hire industry, and being a family business we have family values, offering a personal and individual approach to our business which our customers really appreciate, both in Northern Ireland and on the UK mainland. We are always only ever a phone call away."



Construction Apprentices Compete to be the best in their trade at Skillbuild NI 2019

Over 80 local construction apprentices gathered their tools to compete against each other in the annual Skillbuild NI National Finals which was recently held at Belfast Metropolitan College.

Skillbuild NI organised by CITB NI and supported by the Department for the Economy and local sponsors helps assist with maintaining and raising the status and standards of professional and technical education and training.

The competition is held annually each spring with many winners progressing further to represent Northern Ireland in the Skills Show UK and potentially at WorldSkills and is also supported by local construction employers who sponsor each trade category

The Skillbuild NI competition is designed to test skills, technique and ability within tight timeframes in order to win coveted titles in 10 different trades ranging from brickwork to wall and floor tiling.

Maurice Johnston, Chairman CITB NI said: "CITB NI is proud to have been involved in construction skills competitions for over 40



Pictured here are Scott Barr from SERC who won the Haldane Fisher Cup for the best Skillbuild NI apprentice with Sarah Travers and Maurice Johnston, CITB NI Chairman.

years and we have a record of success at skills competitions not only on a local level but also on a regional, national and world level "Skillbuild NI is a great opportunity to showcase and celebrate the high level of skills we possess and the impressive talent of our workforce. It

reflects the high standards of training in our colleges and the commitment to excellence demonstrated by the competitors. "Congratulations to everyone who has taken part and those who have excelled in their trade. "Skillbuild NI couldn't happen without the support of the local

sponsors and the training network and we extend our thanks to all who have helped the apprentices to be able to compete at this competition. Our young people are more ambitious now than ever and we hope that Skillbuild NI National Finals will be part of their journey and future careers within the construction industry."

Belfast Met Principal and CEO, Marie-Thérèse McGivern, said: "I am so very proud of the Belfast Met Science, Engineering and Construction team in addition to our college support staff for hosting and organising such a fantastic Skillbuild event in collaboration with CITB NI. Well done to all the winners from each of the colleges including our own Thomas Ellison and Finn Steadman from Belfast Met who achieved gold and bronze in carpentry – I am sure you all have wonderful careers in industry ahead of you.

"The event highlights Belfast Met's excellence and commitment to training in the construction and building services area which it has been successfully doing since 1906."

One Billion in Balances as Industry Counts on JCB Finance

A lender which finances the purchase of JCB products in the UK has a billion reasons to celebrate – literally.

JCB Finance - one of the biggest lenders to the construction and agricultural industry in the UK - is celebrating the milestone news that total lending has reached an all-time high. For the first time in its history the amount currently being lent to fund the purchase of machines has broken through the £1 billion barrier.

And for the firm's 100 employees it's a real reason to celebrate because bosses have treated them to a weekend away for two to mark the milestone which comes 10 months before the company's 50th anniversary.

JCB Finance was set up in February 1970 under the name JCB Credit and has expanded massively from humble beginnings with JCB Chairman Lord Bamford as one of its original Directors. Today JCB Finance provides hire purchase and leasing options for UK business customers and supports the JCB UK dealer



JCB Finance employees celebrate the £1 billion milestone lending figure.

network and has facilitated the purchase of more than 250,000 JCB machines over the past 49 years. Including money loaned

to acquire other plant and vehicles, JCB Finance has lent more than £13 billion to UK businesses to help them grow and invest.



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focus on hire

MORE 'NATIONAL' RECOGNITION FOR KELLYS POINT HIRE



Family run Warrenpoint company Kellys Point Hire continues to impress. It was recently named as a finalist in two categories at the prestigious Hire Association Europe awards which honours the best in the industry for their 'outstanding' contribution to the hire sector.

Competing against some of the UK's major national rental firms, Kellys Point Hire featured in the 'Website of the Year' and 'Catalogue of the Year' finals which were hosted by BBC Strictly Come Dancing star, Anton Du Beke, at the capital's impressive Grosvenor House Hotel.

Last year, the company was nominated in the 'Safehire Company of the Year' when it was awarded a certificate in recognition of excellent performance and was formally "highly recommended" by the Hire Awards of Excellence.

"We are delighted to have been once again recognised in this way, especially when we were up against some much bigger organisations, with multiple branches," commented Director Gary Kelly.

The company, based at Milltown Industrial Estate, Upper Dromore Road, Warrenpoint, supplies a vast array of plant –



from dumpers and diggers to boom lifts, telehandlers and concrete rollers - to a wide range of contractors working on projects across the country; it is one of three major companies within the Kellys Group, all of which operate in or service the construction industry.

So what does Gary believe the company's success is down to? "We believe in being able to service our customer base with the best, most reliable machinery available;

over the last 18 months we have probably invested more than a





million pounds in new and additional equipment, and this year we have already added more electric and diesel scissor lifts and more recently more mini diggers to our fleet.

"To stay ahead in this business, you have to be investing not every couple of years but every couple of months because our customers deserve to have the very best plant and equipment available; indeed, it is what they have come to expect and appreciate from us."

Gary added: "There is a huge difference between using older machinery on site and using fresh new machines. Not only is the safety and reliability of the machines vastly improved, but also the speed and efficiency of the work, and, of course, comfort for the workers."

Kellys Point Hire has been in business for three decades, providing large and small equipment and machinery not just

to the local area, but regularly delivering to clients as far away as Dublin and Belfast for larger scale construction projects.

"We have our own workshops where our team of trained mechanics regularly service and maintain all our plant and equipment before it goes out on hire," says Gary. "Our customer base is a loyal and a growing one and our main aim is to provide the highest levels of service and support to them, making sure we can always meet their needs, on either short or long term hire contracts."

Being located just a short drive away from the Newry by-pass and the main Belfast to Dublin motorway is a bonus.

"We are only a few miles away from the motorway network, so we have easy access to supply and service our customers whether they are in the north or south of the country."



HSS HIRE & LAOIS HIRE GROUP BUZZING WITH ACTIVITY

New stock due to ambitious expansion plans, trade show participation and a successful sponsorship of new cars are but just a few of the exciting things happening at the HSS Hire & Laois Hire Group recently.

The group have always been eager to keep their fleet up to date and that isn't going to change anytime soon. They have just recently unveiled an extensive range of new equipment purchased from EMS and FJS Plant Ltd. which has been steadily streaming into their nationwide network of branches.

EMS is the National Distributor for some of the most respected international brand names in the construction machinery industry. Among the new equipment purchased were Montabert Breakers – a brand known for its use of innovative high performance technology in product design and manufacturing.

A massive order of new Mecalac dumpers was also put in to EMS – ranging from 1 ton to 9 ton with greater skip carrying technologies meaning reduced cost of operation. Many of the dumpers also feature a cab, hugely reducing the risk of accidents on site and number of times that the driver has to mount/dismount.

From FJS Plant Ltd. in County Kildare, a large variety of brand new high quality Kubota diggers were purchased, extending from 0.8 ton to 8 ton. FJS are known as the market leader in the supply of plant equipment in



Seamus Flynn, EMS Sales director, and HSS Hire & Laois Hire Group Managing Director Michael Killeen, with the new order of Mecalac dumpers.

Ireland and have been helping the Group with their ambitious expansion plans for years. These new Kubota diggers are powerful and designed for comfort and will be a valuable

addition to the Groups range of kit. All these brands are efficient and reliable choices for customers, two qualities the Group aim to supply with all their hire & sale products.



Laois Hire & Priority Construction equipment on site.



New Kubota diggers.



The HSS Hire & Laois Hire Group nationwide branches also boast extra supplies of everything from powered access to generators to Hilti tools, providing a complete equipment management and hire service to big businesses, trade and DIY customers.

The group's kit can be found on many of the major sites around Ireland from the New Children's hospital to large scale residential projects and their associated civil works such as those being undertaken by the well known and respected Priority Construction.

Managing Director, Michael Killeen says: "Safety and quality are two of the core principles that the company work under, and this is reflected in our equipment and eagerness to provide our customers with the best of the best. We have been working with Seamus Flynn in EMS for 20 years, and Frank Smyth in FJS Plant Ltd for 10 years due to the products, and the back-up service.

"Our customers like the products; there is less downtime on site and more operator satisfaction. We will continue to invest heavily so our customers can benefit from excellent customer service,

**POWERED
ACCESS TO
GENERATORS
TO HILTI TOOLS,
PROVIDING
A COMPLETE
EQUIPMENT
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AND HIRE
SERVICE TO BIG
BUSINESSES,
TRADE AND DIY
CUSTOMERS**



New 3 tonne dumper and 8 tonne digger ready for delivery.

well-maintained quality equipment and a commitment to health & safety."

Shows & Sponsorships

The Group are excited to showcase some of their new equipment at the Construction Quarry & Machinery show at the PuncHESTOWN Event Centre on June 21st & 22nd.

Ireland's only construction and quarrying show will bring industry leaders together and attract an expected 10,000 visitors.

Aside from all this the group are currently sponsoring KN Group's CEO Donagh Kelly and his son Eamonn Kelly in their respective rally cars during 2019.

The duo have been competing in major rallies up and down the country and the

team have their sights set high with their hopes to achieve multiple podiums.

The first major success came as Donagh sped in first in his Ford Focus WRC after a dramatic final loop in the Monaghan Rally, withstanding the strong challenge of Josh Moffett & Andy Hayes to win by a margin of 5.7 seconds.

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Anticipating More Changes in Transport Industry

Great change is upon us and we are all struggling, in both our professional and personal lives, to plan for the future without any real level of certainty.

The transport sector is not immune from this uncertainty. In fact, the sector has arguably more uncertainty than most with the UK's recently published 'Future of Mobility: Urban Strategy' declaring that we are on the verge of a transport revolution and that the sector is likely to see more change in the next 10 years than the previous hundred. Whilst we all struggle to understand what the future may hold and how best to plan the most effective way to approach it, we look to other bodies, other institutions, to help us find a modicum of clarity and comfort.

The Chartered Institution of Highways & Transportation (CIHT) is the leading voice of the highways and transportation infrastructure profession. We are the prime source of advice for national and local government and other strategic stakeholders when they are seeking technical expertise and knowledge to guide future policy and investment.

In Northern Ireland, our members work across the industry spectrum from government and public sector bodies to academia and private sector business. We are involved from policy and strategy through to design, delivery and operation. Within our Region we offer the opportunity for members to get the best understanding of the situation today within our industry as they will anywhere.

CIHT, as a learned society, offers technical events to help widen members understanding and have recently completed a study tour in the West Midlands looking at the management of strategic road and rail networks, the development of Connected and Autonomous Vehicles (CAVs) and major infrastructure delivery.

The Institution is the natural home for all people working in transport infrastructure who are seeking education, professional qualifications, technical guidance and networking in a welcoming environment.

CIHT offers routes to qualifications including Chartered Engineer, Incorporated Engineer and Engineering Technician, the SoRSA Certificate of Competency and Transport Planning Professional.



Clive Bradberry, Chair, Chartered Institution of Highways & Transportation - Northern Ireland Region

If you would like to find out more about joining CIHT, please take a look at our website: ciht.org.uk

CIHT Commendation for GRAHAM

GRAHAM's Travis Brow Link Road project has been commended by the Chartered Institution of Highways & Transportation (CIHT) at its North West Awards.

Described as "probably the single most important new strategic highway connection in Stockport", the Travis Brow to A6 Link Road is an £8m project that, once complete, will deliver a new classified Link Road approximately 390m long, and retaining walls that carry the Link Road under a Grade II listed Stockport Viaduct, which dates back to the 1840s.

The Link Road will significantly improve access to and around Stockport, to the

M60, the rail station, and to key sites within the town centre. Offering an alternative route for vehicles travelling along the A6 Wellington Road to access Junction 1 of the M60 from Wellington Road North, it includes a series of highway improvement works along Travis Brow, George's Road and Wellington Road North.

Intelligent Design

Awarded through Highways England's Collaborative Delivery Framework, a standout aspect of the project was GRAHAM's intelligent design solution that enabled a two lane dual-carriageway to be formed through a single arch.

The CIHT North West Project of the Year Award is given to an outstanding project that demonstrates a contribution to the mobility of the community in the north west of England. The award was presented to GRAHAM's civil engineering division on Thursday 28th March at a black-tie event at the Park Royal Hotel in Stretton, Warrington.

On receiving the award, GRAHAM's Managing Director- Civil Engineering, Leo Martin, said: "We are delighted to see the Travis Brow Link Road named Project of the Year by the CIHT North West. The award is great recognition for our project team, which has worked tirelessly to provide a link road that will improve access, help reduce traffic congestion and improve the efficiency and reliability of Stockport's highway network, bringing significant benefits for businesses, residents and visitors alike.

"Throughout the project we have strived for efficiency and sustainability in our delivery, taking particular care to minimise the impact of construction works on local stakeholders and the wider community. Thanks to the hard work of our team in collaboration with the client, Stockport Metropolitan Borough Council, we have succeeded in our key objectives of achieving best value, minimising disruption and efficient delivery, living up to the project's mission of 'we all succeed together'. Congratulations to all involved in this scheme on this fantastic achievement."





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Major Contract Win for Local Company

Highways England has awarded GRAHAM a major new package of works covering maintenance and improvements in the East of England as part of its Collaborative Delivery Framework (CDF).

The Highways England OD East Packages P&Q, valued at almost £25 million, comprise 84 maintenance and improvement work programmes including multiple surfacing, drainage, signage, bridge projects and concrete road repairs across the Eastern region, including A1, A11, A14, M11, M1, A5, A12, A120 and A47 roads.

The packages will be delivered collaboratively with design teams from AECOM and Mott MacDonald/Sweco supporting the works.

Throughout the packages, GRAHAM will engage with local stakeholder groups and communities to establish strong and effective relationships and maintain clear lines of communication with road users during works.

Rob Cook, Regional Director for GRAHAM, said: "We have worked with Highways England on its Collaborative Delivery Framework since 2017, and have delivered many successful improvements to Britain's roads during this period. We're delighted to have been awarded this latest package, which we will continue to deliver with the open and honest values that make GRAHAM such a respected partner in the highways industry. "The mobilisation of the P&Q packages represents the next steps in our ongoing



relationship with Highways England and as part of their customer focus strategy we will be supporting and engaging with the local community throughout the programme of works, with several initiatives currently planned for rollout."

As an integral part of Highways England's supply chain, one of GRAHAM's strategic priorities, which is already bearing fruit and delivering lasting

impact, is to continue developing this strong collaborative relationship.

In 2017, GRAHAM delivered two major work packages on the CDF covering the A47, A11, A1 and A12 roads. The £19m contract consisted of multiple key safety improvements, surfacing, structures and technology schemes extending from Peterborough to Norwich, through to Lowestoft via Great Yarmouth.

Excellent Progress on North-West Transport Hub in Derry

It's a case of 'all systems go' in Derry as construction work continues to progress on the new Transport Hub which will serve as a gateway to Northern Ireland's North-West.

The project involves the restoration and refurbishment of the listed station at Waterside in Derry.

Approximately £27m of funding has been secured from the European Union's INTERREG VA Programme, with support from the Department for

Infrastructure (DfI) and the Department of Transport, Tourism and Sport in Ireland.

Northern Ireland's public transport body, Translink, has appointed Farrans to construct the Transport Hub, working in Joint Venture partnership with railway engineers, Rhomberg Sersa.

Translink representatives have described the scheme as one which will protect the Victorian station building and serve as a "catalyst for development in the wider Waterside and

Duke Street area", supporting business, leisure and tourism opportunities in the wider area.

The JV project includes the construction of new platforms, a new 100-space Park & Ride and the demolition of the current train station, with the site being redeveloped to facilitate more practical communal use.

Once completed, the Transportation Hub will include a community space, and will open up a significant swathe of new space along the banks of the River Foyle.

Other station features will include a new bus-turning circle and a greenway link to City Centre via the Peace Bridge, as well as track, signalling and telecoms works.

There will also be an Active & Sustainable Travel Centre including an information point, training facilities and secure bike parking.

The North West Multi-Modal Transport Hub is due to be completed in late 2020.



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Translink - Investing in Public Transport

Translink's investment in public transport in Northern Ireland is paying off, with record numbers of passengers across all services; encouraging more people onto their services delivers on the outcomes of the draft Programme for Government.

Translink's headline investment during the past 12 months has been Glider, linking East and West Belfast via the city centre and running to Titanic Quarter. Funded by the Department for Infrastructure, the service is a £90m investment in modern public transport, an innovative, high-spec, low emission system helping to connect the city.

The figures speak for themselves - over 45,000 additional passenger journeys are being made per week, with high levels of frequency and reliability. Two additional Glider vehicles will arrive later this year in order to provide further capacity.

NI Railways, Metro, Goldline and Ulsterbus also continue to perform well, with growing passenger numbers right across the network.

This success means that Translink is on course to increase passenger journeys again this year, highlighting the need for ongoing investment in our public transport infrastructure. As part of this programme, Translink announced a £50m contract with Spanish rail manufacturer CAF in December 2018 to supply 21 new train carriages.

Fully compatible with their existing Class 4000 trains, these new carriages will arrive by 2021 and will create additional seating capacity for 1400 people, helping to accommodate the growing number of passengers using NI Railways services.

A major development is ongoing at the Grade B listed former Waterside Train Station in Derry~Londonderry. This facility will form part of an innovative cross-border North-West Multi-Modal Transport Hub, giving additional capacity and integrating with public transport services in the city, as well as acting as a catalyst towards



The new Glider Service.

regeneration in the Waterside area. With significant funding from the EU's INTERREG VA programme, the new facility will be ready for use by late 2019.

Along the coast at Portrush, a new train station is being completed ahead of the 148th Open, taking place at Royal Portrush this summer. This replaces the existing facility and will accommodate ever-growing passenger numbers passing through the coastal town during the all-important summer months, acting as the town's gateway for visitors.

Transport Hub

The Belfast Transport Hub is a major project, which will transform public transport in Northern Ireland, creating a

world-class transport interchange and surrounding master plan development at Weavers Cross.

It will provide a new gateway to Belfast and a main bus and rail connection point reaching out to every corner of Northern Ireland and beyond, replacing Great Victoria Street Train Station and Europa Bus Centre. The proposed Weavers Cross master plan development will present significant regeneration opportunities for this part of Belfast.

With plans to transfer the Enterprise service to the new Hub upon completion, Translink and Iarnród Éireann will continue to jointly develop the Enterprise Strategic Development Plan in order to achieve an hourly service on the key cross-border route,

alongside a reduction in journey time. This will require significant investment, but it is essential if rail is to be developed along this important economic corridor.

Translink sees the need to continue to maintain their assets on an ongoing basis, with for example Belfast Central Station being given a refurbishment and renamed Lanyon Place Station to better reflect the commercial area that has grown up around it.

They're also maintaining and enhancing services across the network, with new/replacement Metro and Ulsterbus fleet due to be delivered this year, alongside major track relay works in Lurgan this summer in order to maintain overall performance and high safety standards on the vital southern rail corridor for both local and cross-border rail services.

Other areas for focus include the extension of their park and ride capacity, building on the success of their recently opened facilities in Portadown and Blacks Road.

Delivering on the outcomes of the draft Programme for Government will require sustained investment in public transport infrastructure going forward. Translink will continue to work with partners and stakeholders to deliver the investment required, ensuring Northern Ireland continues to develop and prosper.



New Planned Station at Portrush.

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New Faymonville 4 axle 9ft wide, extendable, payload 60ton, double flip ramps, hydraulic legs under rear, out riggers, marker boards, ready to go.



DUCON CONCRETE – METSO USER AND PRIDE OF DUHALLOW

Who amongst us has not heard that traditional Irish ballad the 'Bold Thady Quill' and its memorable opening lines: 'Ye maids of Duhallow who are anxious for courting, a word of advice I will give unto you - proceed to Banteer, to the athletic sporting, and hand in your names to the club committee'.

Thanks, in part, to those charming lyrics, the region known as Duhallow is as well-known as any other part of Ireland. Largely rural, it stretches from northwest Cork into southeast Kerry and includes the towns Kanturk, Banteer, Millstreet, Newmarket, Rathmore and villages in-between.

At its heart, minutes from Kanturk and adjacent to the main road that runs from Mallow to Killarney, is the Ballymaquirk headquarters and concrete products manufacturing base of leading aggregates producer, Ducon – acronym for Duhallow Concrete.

A high-profile operator whose trucks have a highly-visible presence on worksites throughout Cork, Kerry, Limerick and Tipperary, Ducon is a multi-faceted enterprise whose facilities also include a limestone quarry at Ballyhest, near Mallow, and a sand and gravel pit at Coachford.

A family owned business which has grown from modest beginnings into one of Ireland's leading independent concrete manufacturers with over 40 years experience in the production and supply of concrete and concrete products, Ducon was one of the first concrete manufacturers in



The Metso Lokotrack LT300HP cone plant - soon to be replaced by a similar unit, proving the level of operational reliability Metso is delivering for Ducon Concrete.

the country to attain the ISO 9002 certification for all products.

Proudly, it was also amongst the first of a group of leading Irish quarry owners to purchase a Metso crushing plant to meet its production needs.

Now a committed Metso user, recent units installed by the company were supplied to it by McHale Plant Sales following their appointment as distributors in Ireland for the well-known Finnish brand.

First of these - a Lokotrack LT106 mobile jaw crusher - was purchased as replacement for an LT105 model which the company traded-in as part of the deal. Delivering all that was

expected of it, the Metso unit has made what Ducon managing director, Frank Healy says is a "significant contribution in helping us deliver on our mission to provide quality products and a first-rate service to customers".

Speaking to Plant & Civil Engineer, Frank told us: "At our Ballyhest facility, where we produce some 300,000 tonnes per annum, the LT106 operates as the primary crusher, producing 12 and 20mm aggregate used in readymix and concrete block making."

Also part of its crushing inventory is a Metso Lokotrack LT300HP cone plant, also supplied by McHale. Shortly, the LT300HP model will be replaced by a

similar unit, proving the level of operational reliability Metso is delivering. A familiar sight on Irish roads, Ducon's eye-catching orange and white trucks deliver readymix, blocks and aggregate to customers within an approximate 30miles radius of its Ballymaquirk plant. Pre-stressed and precast units are delivered nationwide.

Servicing residential, agricultural and construction industry customers, Healy is proud of their role as an employer, with a staff of some 60 persons, humorously noting: "had the Bold Thady Quill been around today, it is highly likely the famed Muskerry sportsman would have been part of our Ducon team'.



Compelling reasons to choose hydraulic pile breaking over conventional methods

Various factors should be taken into account when undertaking concrete pile breaking operations. In no particular order, three major points to consider are: Cost; Health and Safety; and Time.

As with most construction projects, cost and time are inextricably linked as one will have a significant bearing on the other. Traditional pile breaking methods using heavy excavator hammers or hand held pneumatic breakers make the process labour intensive, running up many hours of demanding work. The uncontrolled and erratic nature of traditional cropping methods also carries a risk of causing concrete spalling and irreparable damage to rebars.

Added time inevitably means additional cost, and with conventional pile breaking taking on average forty five minutes per pile, it becomes obvious that costs will quickly spiral, especially when working on large construction projects. This is further exacerbated due to hand pile breaking being limited to three twenty minute sessions per day to reduce the risk of Hand Arm Vibration Syndrome (HAVS). There is also a considerable environmental impact in terms of noise and ground vibration; a major concern when operating in populated or urban areas.

In contrast, Hydraulic Pile Breakers offset the negative impact of time, cost and safety by effectively addressing all three issues. The average pile can be cut in just three minutes; up to fifteen times faster than when using traditional methods. Furthermore, no operator time restriction is placed on pile breaking activity

when using hydraulic pile breakers. Putting all this together means huge savings in terms of cost and time, with the health and safety benefits alone far outweighing the alternative use of hand held equipment.

As well as being fast and many times quieter; the operator controls the entire process from the safety of excavator's cab. The pile breaker uses the excavator's hydraulic system to give a clean accurate and controlled

cut with minimal risk of rebar damage or concrete spalling: both of which give rise to additional cost due to the increased need for integrity testing, repair or replacement piles.

Groundforce Ireland offers an extensive hydraulic attachments range with a Hydraulic Pile Breaker to suit all applications, helping the construction industry to save time and money, as well as maintaining and promoting a safe working environment.



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ANNUAL CIHT DINNER 2019

CIHT Northern Ireland Annual Gala that Dinner took place in April 2019 at The Stormont Hotel, Belfast.



Rodney Hughes, Clare Hughes, Paula Brogan, Paul Brogan (Chairman of the CIHT NI).



Su Taylor (Queens University), Steven Caldwell (past Chairman), Paul Brogan, Gerard Hamill.



Mathew Lugg (President CIHT), Susan Lugg, Ronnie Porter (Past President of the CIHT).



Liam Beckett MBE.



Karen Mchane & Su Percy (CIHT Chief Executive).



Adam Heanen (CIHT Secretary), Paul Taylor (Institute of Structural Engineers), Ross Speirs (Chair of CIHT Scotland).



Gordon Best (MPANI), Chris Conway (Translink), Dr Andrew Murray (Deputy Secretary, Department for Infrastructure).



Paul Brogan & Mathew Lugg presenting David Calvert.



Mathew & Susan Lugg.



Mathew Lugg & Paul Brogan presenting Dr Andrew McCartney Murray PhD MBA BSc FCIHT.

MAPLOC8 HELPS PLANT OPERATORS KEEP A CLOSE EYE ON VALUABLE ASSETS

The recent spate of 'hole in the wall' cash machine robberies across Northern Ireland has brought into focus plant security.

In all of the robberies, thieves used stolen diggers from nearby construction sites – and all of them were badly damaged or destroyed in the process. Contractors and owner operators seeking to protect their assets need look no further than Co Antrim based vehicle tracking company Maploc8.

The company has been actively building a diverse customer base across the island of Ireland over the past five years, with Plant Hire outlets being an important part of their business from the very beginning.

Maploc8 offers quality tracking options for customers, all without any binding contracts. This and a high level of customer service and support are the main reasons for their fast growth in this sector.

Customer can choose between two options. A monthly Premium Plan offers a detailed tracking and monitoring platform with many useful reports and features, while a prepaid 'Trackin the Box' option offers the lowest costing tracking around with reduced available features without compromise on quality. Not surprisingly, Maploc8 have lately seen a sharp rise in demand for both platforms due to the recent cash machine robberies as both options offer Engine Immobilisation and Geofencing which Maploc8 believe are a major advantage in protecting machines by stopping them before they start. Comments Sales Director Alastair Whann: "An Immobilised machine would be a good start to this cash machine problem. Many new machines already have GPS trackers supplied by the manufacturers, but these are generally more about the health of your machine and monitoring usage for the benefit of the manufacturers who provides the warranty.

"Quite often owners don't even know they are there. Our system totally involves the machine owner and is solely for their benefit. By listening and responding to our customers we have built specific features around their requirements such as our popular Remote Engine Immobilisation which is easily applied via our App and also the Geofencing feature with Alerts.

"Other additional features available on our Premium platform include Daily Work Reports, Service Reminders, Maintenance Recording, Fleet Efficiency and Digital Walkaround Checks." Maploc8 claim the quality of the GPS tracking provided by many machine manufacturers is another issue as they provide reduced reporting designed to limit data usage and keep costs low for the manufacturer. Maploc8 are also aware that most customers

in this sector are not always office based, so they provide a clever App which enables monitoring and immobilisation from a phone or other device.

"We are always happy to arrange a site visit, demonstrate both systems, advise and provide a competitive quotation," says Alastair, who claims that in his experience most customers don't believe how little it costs to protect and monitor their valuable Plant 24/7.

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KEEP YOUR ASSETS SAFE WITH LATEST TRACKING TECHNOLOGY

In this era of modern technology, we are seeing vast improvements and developments in all aspects of life. From medicine to marketing, transportation to television, the world around us is seeing ever increasing levels of sophistication and modernisation.

However, whilst it is easy to discuss the improvements of modern technology as a tool for good, it is important to acknowledge that there are people who will use them for less ethical means. One such example has been the rise in the theft of motor vehicles, plant and machinery. In the last three years, the UK has seen an increase of 30% of vehicle theft, with London alone experiencing a 24% increase. This amounts to a total of 83,688 reported incidents, with 53% of the vehicles in question going unrecovered. These numbers are simply staggering. Just think, if you had a vehicle stolen in the UK today, you have a less than 50% chance of ever seeing it again.

This increase can largely be attributed to the more modern and cunning techniques used

by thieves. The use of keyless entry for many vehicles for example might be seen as an improvement in technology for the average car owner, but to a thief, it is an opportunity. With a device that amplifies the signal from the keyless 'fob', thieves can now gain access to many cars with ease. Another way in which thieves are operating these days, is to capture your key's code as soon as it is used. Electronic devices can 'grab' the code whenever you unlock or lock your car, and some more sophisticated devices can even acquire the code even if the key hasn't been used. Even if you have a GPS device installed in your vehicle, it is unlikely to deter or foil thieves. With GPS jamming systems cheap and readily available, thieves can render your attempts to protect your vehicles obsolete. Moreover, even if the GPS signal isn't jammed, their signal is often too weak to penetrate metal containers or lock ups, which stolen vehicles are often transported and stored in.

So, what can be done to stop those that would steal your vehicles or machinery? Well, that's where TRACKER comes in. Having

been established for over 25 years, we are the market leader in tracking technology within the United Kingdom. With our award winning, patented technology, and our unique relationship with the UK police, we are the leading provider of 'stolen vehicle recovery'.

TRACKER's core technology is long range VHF (Very High Frequency) band, with a signal that is extremely difficult to jam. Even should your vehicle be stored in a steel shipping container, lock up, or underground car park, it will continue to transmit a strong signal, allowing your vehicle to be tracked quickly and easily. In addition, the TRACKER Mesh Technology means that any vehicle fitted with TRACKER that encounters a TRACKER-equipped vehicle emitting its 'stolen' signal, will instantly alert our 24/7 control room. This information is then quickly passed on to the police, who can deploy a TRACKER-equipped police vehicle of their own. The numbers don't lie either. With a 96% recovery rate, 80% of which are recovered within 24 hours, TRACKER is invaluable in ensuring the safety and protection of your vehicles and machines. When we remember how many vehicles have been stolen in the UK in the past three years, and bearing in mind these numbers are rising, can you really afford not to take the appropriate measures to safeguard your vehicles?

If you'd like to find out more about the TRACKER technology, then contact Pauline on 07775 773806, or alternatively you can send her an email at Pauline@dfctracker.co.uk



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Want to know more about TRACKER in action? Speak to Pauline on 07775 773806 or email pauline@dfctracker.co.uk



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Topcon launch new scanning robotic solution for vertical construction

Topcon Positioning Group has unveiled a new generation of scanning robotic total stations - the GTL-1000.

A compact scanner integrated with a fully featured robotic total station, the system is designed to offer a powerful instrument for single-operator layout and scan on a single set up. Combined with ClearEdge3D Verity, it offers a new standard of construction verification workflows.

The innovative instrument includes a complete robotic total station that provides full-featured layout functionality with single operator control. The system is designed to build upon proven prism tracking and accuracy that allows operators to confidently

layout points in challenging construction environments. With the press of a single button, operators can then initiate a scan.

The instrument is designed to enable significantly faster speeds than comparative site scanning workflows. "Operators can conduct a full-dome 360-degree scan in just a few minutes. More traditional systems and methods take considerably longer," said Ray Kerwin, director of global product planning.

After processing with MAGNET Collage, the workflow is completed with ClearEdge3D Verity, an advanced software tool that automates construction verification.

Over 10,000 workers joined the Irish construction workforce in 2018

A new report from the Construction Industry Federation (CIF) shows that 10,600 extra workers joined the Irish construction workforce in 2018, up 8% year on year and bringing the total workforce to 145,500.

There was a 20% increase in investment in building and construction in 2018, with €26 billion invested during the year. The report shows that housing investment increased by 24% in 2018, with 18,072 new housing units completed, an increase of 25% on 2017 and 22,467 new housing units commenced construction in 2018, which is an increase of 28% year on year.

Speaking at the CIF's quarterly briefing, Jeanette Mair, CIF Economic and Policy Research Executive said: "CIF forecasts predict completions of new homes will increase to 23,000 in 2019 and 28,500 in 2020, with an increase in housing investment in 2019 of 20% and further increase of 12% in 2020.

The report also shows that non-residential construction increased by 12% in 2018, which has been driven by the commercial and FDI sectors.

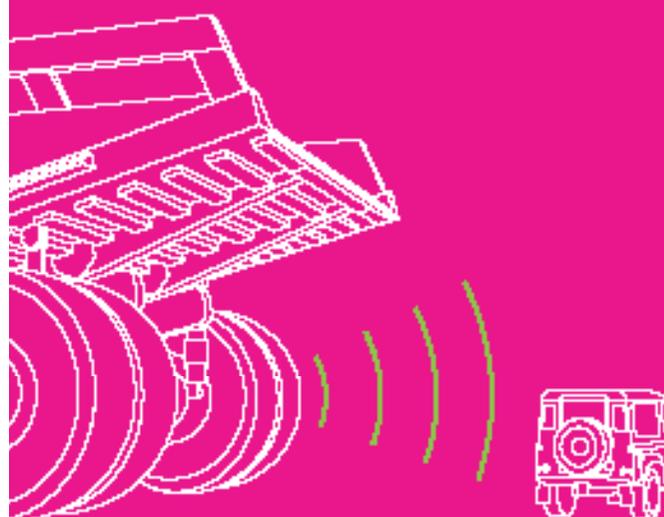
"However, due to the sheer volume of commercial building from 2015-2017, it is expected this growth will slow in 2019 and 2020 to 7% and 6% respectively.

"Growth in the sector is expected to average 16% in 2019, before moderating to 10% in 2020. Even with growth moderating after 2020, the Department of Finance has predicted investment in the sector will increase to €41 billion by 2023."

The report also shows the cost of construction rose by 7.7% in 2018 and is forecast to rise by 6.5% 2019. The CIF report indicates that these increases are being caused by the high demand for construction services, skill shortages in the sector and wage increases.

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DAF UNVEILS EXPANDED RANGE FOR CONSTRUCTION SECTOR IN SUNNY SPAIN

The last year was certainly an historic one for DAF. It ended 2018 as the second largest truck brand in Europe with a market share of 16.6% in the heavy class and was market leader in no fewer than seven countries, producing a record number of 67,000 trucks. But as Export & Freight's Phil Eaglestone reports from a 'ride & drive' event in Malaga in Spain, the manufacturer is clearly not resting on its laurels.

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According to Richard Zink, Director of Marketing and Sales and member of the Board of Management at DAF Trucks, the company has plans for further growth and in particular it aims to make itself an even more prominent contender in the rigids and construction vehicle segment where it sees considerable potential.

To underline that intention, DAF Trucks is expanding its range to include a number of new vehicle configurations, including an 8x4 'tridem' rigid with double-drive tandem and steered trailing rear axle. DAF is also introducing a 10-tonne front axle, and a completely new 7.5-tonne non-steered trailing axle.



In addition to the existing 7.5, 8 and 9-tonne front axles, the new 10-tonne version in the CF and XF will be offered from the second half of this year. This is of particular interest for applications in the construction segment, where high front axle loads are commonplace.

The new 10-tonne front axle features parabolic suspension with three-leaf springs, and minimises the risk of overloading with diminishing loads. The new 10-tonne front axle is available for configurations of the CF and XF which feature a single front axle and are powered by the PACCAR MX-11 or MX-13 engines.

DAF is also introducing a brand new 7.5-tonne trailing axle with single wheels, featuring a newly designed die cast axle housing, which boasts even greater rigidity and is even more robust than its predecessor, while its weight has been reduced by 10 kilograms. The static load capacity has been increased by no less than 25% to 26 tonnes — an important consideration if the load rests briefly on the

rearmost axle during loading and unloading of, for instance, a roll-on-off container.

For construction applications, the new 7.5-tonne trailing axle is ideal for use on payload sensitive work and in less arduous applications, such as for container delivery systems and for transporting building materials, where the truck is equipped with a rear-mounted crane. In Germany, this type of trailing axle is also often specified on trucks featuring BDF swap body systems, which are prevalent in the country. The new trailing axle is also used on FTR tractor unit variant of the CF and XF — a configuration ideally suited to, for example, low-loader work above 44 tonnes.

Irish Appeal

For 6x4 and 8x4 CF and XF trucks that are regularly driven off-road or that require additional traction, DAF offers a choice of double-driven, low-maintenance tandems.

The first is the SR1132T, a 19-tonne tandem with





DAF LF 290 FA 4x2 Construction 19t.



DAF CF 450 FAD 8x4 Construction.

single reduction, leaf spring suspension and disc or drum brakes. This tandem is ideally suited for payload sensitive applications such as lightweight 6x4 and 8x4 concrete mixers, and is particularly popular in the UK and Ireland.

For heavier applications, DAF offers 21 and 26 tonne variants of the SR1360T single reduction tandem which is equipped with disc brakes and air suspension. This is offered on in three and four-axle tractors and rigids.

In addition, DAF also offers 21 and 26-tonne hub reduction tandems with the HR1670T, which can be equipped with air or leaf spring suspension and features drum brakes. This is not only ideal for heavy haulage, but also lends itself to off-road applications.

Chassis Range

DAF is also adding a number of new axle configurations to its range. A new configuration within the already extensive range of four-axle trucks with single and double drive is the FAW, which will be available ex-factory later this year. This is a four-axle CF or XF rigid with



a tridem, consisting of the SR1360T tandem with single reduction or the HR1670T tandem with hub reduction, and a steered rearmost axle.

The new 8x4 FAW chassis has a technical GVW of 37 tonnes and, thanks to the steered trailing axle, can be manoeuvred with great precision. A turning circle of just 7.8 metres makes the 8x4 FAW ideally suited for transporting large or heavy loads to construction sites where there is relatively little space. The new chassis lends itself perfectly as a tipper, concrete mixer, for bodywork with a rear loading crane or for a combination of a loading crane with a hook lift system. Also on show at the event was the latest generation of the XF FTM heavy-haulage tractor which has not previously been shown to the international trade press.

This FTM is an 8x4 tractor with double-drive SR1360T or HR1670T tandem and steered pusher axle, which together form a tridem. The impressive XF is ideal for heavy haulage and exceptional transport applications, where combination weights can add up to 120 tonnes. The use of a single front axle and three rear axles means that the axle capacity can be fully exploited without exceeding legally permitted loads.

Construction

Meanwhile, DAF will continue to offer Construction variants of the LF and CF, especially for trucks that are regularly driven off-road. They feature a specifically designed bumper and grille, a 25° approach angle and a generous ground clearance of 32 (LF) or 40 (CF) centimetres, to suit operation across uneven terrain.

The CF Construction is available as a 6x4 FTT tractor and 6x4 FAT and 8x4 FAD rigids, both with double-drive tandem and the latter with two steered front axles. The CF Construction versions are equipped with a special off-road mode of the TraXon transmission as standard, for optimum shifting performance on challenging terrain. Gear changes are extremely fast and made at high engine speeds to ensure maximum traction in heavy terrain.

The LF Construction is available with a 19-tonne chassis. It goes without saying that the LF Construction offers the same benefits as all LF models: for example, a high payload thanks to the low kerb weight, excellent manoeuvrability, excellent all round visibility, enhanced by the optional window in the co-driver's side door, a low entry, and high fuel efficiency.



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



Gordon Best, MPANI

HIGH TIME FOR POLITICIANS TO FINALLY DELIVER

I am sure you are all looking forward to a short or long summer break with your family and friends and removing the "election fatigue" we have all experienced over the last few months. I don't think I can ever remember a period in my life when national politics in the UK has been so broken, bitter and in need of repair. I just wonder sometimes how in two or three generation's time commentators will look back on this period and view it.

More importantly though, at this stage, many of us are both fearful and curious as to how our experiences of Brexit will change the political and social landscape in the UK and Ireland. I earnestly hope we can, whichever way Brexit concludes, repair relationships within the country and within politics.

The recent April PMI published by the Ulster Bank gives reason for concern. The PMI signalled that the Northern Ireland private sector moved deeper into contraction territory. Business activity, new orders and employment all fell to the greatest extents since the final quarter of 2012, with Brexit and a lack of government at Stormont impacting negatively on operations.

On a positive note however it is good to see the political parties in negotiations in an effort to re-establish a working Executive and Assembly. It is high time that our politicians got back to making decisions on health, education and delivering on the various infrastructure projects that our society and economy are crying out for.

Since the last publication of Plant & Civil Engineer, MPANI have been engaged with HM Treasury and HMRC as part of a comprehensive review of the Aggregates Levy. The first meeting of the expert panel took place on the 11th April in London at which we made the strong point that the high level of the levy, £2.00 per tonne, compared to the gate price of aggregates was the main driver of tax evasion and illegal extraction in NI. Also the impact of the Levy in increasing the levels of recycling and use of secondary materials was minimal in Northern Ireland given our rural economy and lack of urban regeneration.

In May MPANI hosted a visit to Northern Ireland by Treasury and HMRC Officials during which we visited sites in Co Fermanagh, Co Tyrone and Co Antrim and meeting local Members.

Safer by Sharing

The MPA 'Guide to Energy Isolation and LOTOTO' has now been widely circulated to members, IQ, BAA, MPQC course participants and also (4000 copies) with the April issue of the Quarry Management magazine.

Posters and stickers, with two images focusing on the high risk of not isolating plant and machinery correctly from all energy sources, and a third reaffirming the nine steps of LOTOTO using images to assist employees' understanding of the process, have been produced.

These should be positioned on communal notice boards, at welfare facilities, and in control and switch rooms as a reminder prior to starting work.

By embracing the MPA principles of 'Safer by Sharing' and maximising the distribution and use of these materials, we are helping to reduce the risk of another 'Fatal 6' incident occurring. This approach forms part of a wider industry campaign.

The series of workshops organised by HSENI and supported by MPANI focusing on dust, vehicle maintenance and mental health will commence in early September.

The joint MPANI / HSENI Stay Safe letter to all school principals in Northern Ireland has been circulated and we will be assisting Members who will be visiting schools to warn young people about the dangers of cold water and trespassing in disused and active quarries.

Planning Response

On the planning front MPANI are in the process of drafting a response to the Ards and North Down Council Preferred Options Paper. We also recently submitted a detailed response to the Mid Ulster Draft Plan Policy. A number of meetings with Members were held with Mid Ulster Members prior to the submission and it was great to see that the vast majority did engage with the Council and submitted responses to the Draft Plan Policy.

We continue our ongoing engagement with the Department for the Economy focusing on the need to gather as much information as possible as part of the annual quarry return and to improve the information gathering from our aggregates industry for local councils as part of the information input to their Local Development Plan process.

As an Association we are working very hard, and to be fair making steady progress, in encouraging our Members, (we don't represent everyone) to complete any information requests on aggregate production, permitted reserves and sales both locally and regionally. However there is still a long way to go!!

In an effort to build relationships and understanding between our Industry and local Council planning departments we are organising a series of meeting with local planners and operators from each Council area. We have already with planners in Ards and North Down and in Causeway Coast and Glens.

The positive news is that a number of Councils have responded to our request and meeting dates are currently being agreed. At present, meetings have been organised with Fermanagh Omagh Council on the 10th June in Omagh, Newry and Mourne Council on the 11th June in Downpatrick, Mid Ulster Council on the 19th June. We are awaiting a response from a number of the other Councils on suggested dates.

The Association, in partnership with Carson McDowell Solicitors, has organised two Planning Briefings for Members. The first on Tuesday 4 June will cover Case Law and Enforcement Update giving an update on recent case law most relevant to the minerals industry and developing trends of planning and environmental enforcement against the mineral industry. (Registration and continental breakfast: 8.30 am; Planning briefing: 9.15 to 10.30)

The next briefing is Wednesday 25 September: Protecting Your Assets – an update on the position with regard to protecting your assets since the change in position of the Planning Appeals Commission to the requirements to lawfully commence a planning permission. (Registration and light lunch: 12.30pm; Planning briefing: 1.15 to 2.30) To register for these briefings please contact myself or Fiona at the MPANI office.

On the Concrete front the Association continues to work with QSRMC and BSI to promote the use of quality assurance in the sector. We are also working with Government construction clients and NHBC to ensure monitoring of construction materials being used on site.

First generation 8 series of Liebherr crawler excavators now available

Since the beginning of 2019, Liebherr has launched seven crawler excavator models that make up its generation 8 series.

Now in production at Liebherr-France SAS in Colmar and available worldwide, the full range of generation 8 crawler excavators includes the R 922, R 924, R 926, R 930, R 934, R 938 and R 945.

With the exception of the brand-new mid-weight R 930 that was developed with earthmoving works in mind, the models in the series, which range from 22 to 45 tonnes, replace earlier models and offer greater mechanical power and other enhancements compared to their predecessors.

Liebherr has significantly increased digging forces and improved tractive forces, resulting from the upper carriage's swing torque, thereby enabling the generation 8 crawler excavators to achieve a much higher level of performance on construction sites.

At the same time, the new equipment concept devised for this latest generation of excavators offers increased bucket capacity and optimises the load curve and



inertia of the swivelling drive in order to reduce fuel consumption. Operators of Liebherr's generation 8 crawler excavators benefit from an ultra-spacious, temperature-controlled cab. Pneumatic seats with vertical and longitudinal suspension and a high resolution, user-friendly seven-inch touch screen make work particularly convenient.

The cab's windscreen, which along with the right-hand window is made of tinted laminated glass, can be fully lowered. An unobstructed panoramic view and monitoring cameras at the rear and sides maximise safety and the foldaway console makes cab access safe and easy.

The upper carriage is now accessed from the front of the machine via a secured platform that is fitted with handrails to ensure three points of contact. The entire area is fitted with non-slip studs.

The certified ROPS cab structure provides robust protection with the rear window serving as an emergency exit on all configuration versions of the excavator.

LED technology has completely replaced the halogen headlights, increasing operating life and reducing electricity consumption whilst dramatically improving illumination of the working area.

First off the production line is the R 922, which will be closely followed by the rest of the series. This redesigned machine boasts a heavier counterweight, greater traction force and a higher swing torque than its predecessor. Highly competitive in terms of reach, lifting duties, digging depth and fuel tank capacity, the R 922 has enviable breakout and digging forces with arguably the largest bucket in its class. Winner of an iF Design Award 2019 in the product category, the R 922 is now in stock.

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EURO AUCTIONS DELIVERED ANOTHER POPULAR SALE AT ITS DROMORE SITE

Euro Auctions again saw immense customer interest and demand for its recent two day unreserved used equipment auction at its Dromore site in County Tyrone.

“Our auction site in Dromore continues to draw real crowds, with bidders from over 40 countries registering for the recent end of April sale,” stated Jonnie Keys, Euro Auctions’ Operations Manager. “Approaching 400 interested buyers registered interest in the sale, over 50 of whom were first time bidders, and all were looking to secure one or more of over 1200 quality used and some new equipment lots.

“These lots had been consigned to this auction by approaching 200 vendors; and more than one in ten of them were also using our sales services for the first time. All our auctions around the globe are unreserved and extremely popular with buyers



who can always be confident that they will get quality, dependable equipment and that if theirs is the highest bid, it’s theirs.”

Significant interest in the late April auction in Dromore came from the UK and Ireland which together accounted for almost £3.5m towards the hammer total; with other significant shipments also going to Belgium,

the Netherlands and the USA. Following on from the top five were buyers from Spain, Canada, Poland, Australia and Romania, all placing the winning bids on further key pieces of equipment. “We regularly ship consignments across Europe from the Dromore auction and often to the other side of the world where it is put back into service by

the successful buyers. Euro Auctions provides the complete service, from initially liaising with consignors to get the equipment to the sales site, to helping prepare it for sale and ensuring that the machines are both presented in the best possible way, and with all the right paperwork in place. We then actively market to a database of over 150,000 potential and interested bidders. We also give them an opportunity to inspect the machinery and when they place the winning bids can then help them arrange shipment and delivery to where it’s needed.”

He added: “We’ve a busy auction schedule over the next couple of months with auctions taking place at almost all of our sites around the globe including the next sale in Dromore that will take place June 20-21 and is already building a strong inventory of new equipment to be sold.”

£70m hammer for Euro Auctions

Euro Auctions recorded its biggest UK sales week in the history of the company, hosting the now famous Leeds sale on 20th 21st and 22nd March, in addition to the Hawk disposal sale on the 14th & 15th with total sales exceeding £70 million.

There are not many auction specialists in the UK, or Europe, that could have achieved what Euro Auctions achieved in hosting two specialist sales in two locations in the UK with the logistics of getting the equipment ready for sale, attracting an international audience, whilst achieving strong prices across all ranges.

The now famous sale at its flag-ship depot just outside Leeds repeatedly catalogues approximately 5,000 pieces of construction plant and agricultural machinery for sale. The three-day Leeds sale in March recorded a hammer of just over £40 million and 4,733 lots

sold, from over 450 vendors from 25 countries around the world and 10% of those vendors selling for the first time.

Add to that the Leeds hammer total, the results from the eagerly awaited Hawk Plant Hire sale in the same seven days, on 14th and 15th April, where the overall hammer total was £30 million, a staggering £70 million of machinery was sold.

Such was the sheer size of the auction and the numbers of ranges of equipment, makes and models presented for sale in Leeds, Euro Auctions amassed and displayed the most comprehensive range of excavators, again breaking the previous record set in January. With 808 excavators up for grabs, what were the numbers?

- 306 mini diggers
- 148 wheeled excavators
- 92 six tonne excavators

- 39 twenty tonne excavators
- 223 ten tonne excavators

What did buyers and sellers like about this sale? “Whilst we have a reputation for selling good quality machinery, and lots of it, we think it’s a combination of things,” explains Jonnie Keys, Euro Auctions Operations Manager.

“We have a global network, and our loyal buyers have confidence that Euro Auctions will present good quality, late, low hours equipment and machinery at our regular Leeds auctions. This in turn gives our consignors the confidence to send stock to the Leeds sale from all over Europe and even further afield.

In addition, the expansion of the Leeds site is allowing us to display more equipment at each sale, with around 5,000 lots going over the ramp making this auction being the biggest in Europe.”



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EURO AUCTIONS

VERTIKAL DAYS REACHES NEW HEIGHTS

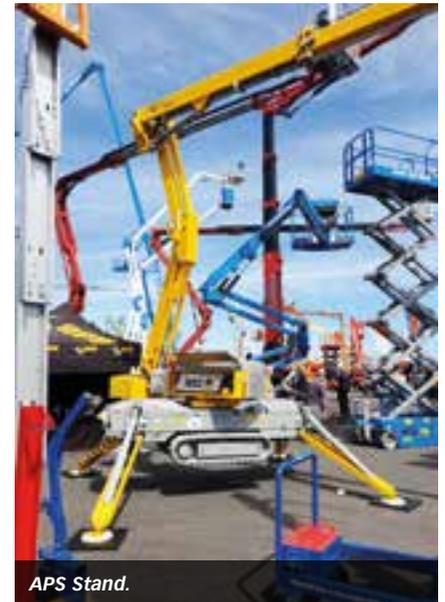
Vertikal Days 2019 at Donington Park broke new records this year, with the largest range of equipment on display in its history.

The number of machines in display ran to several hundred units, ranging from large struck mounted lifts to the smallest scissor lifts, to scaffold towers, compact electric telehandlers up to a wide range of tower

cranes, including the largest self erectors, to hydraulic luffers and articulated models to the 650 tonne All Terrain cranes, spider cranes and electric pick & carry cranes,

In addition, there were more ancillary products, services, rigging equipment, electronics and software than ever before.

Plant & Civil Engineer was there, too...



APS Stand.



JCB scissor lifts on the JCB stand.



Sky Jack Stand.



Genie Stand.



Link Belt.



Kobelco Cranes.



APS.



Manitou Stand.



Nifty Lift Stand.



Demag Cranes.



Liebherr Cranes.

New security feature locks thieves out

John Deere is now offering a new PIN code locking system to help deter the theft of valuable GreenStar in-cab displays and StarFire satellite receivers. This has been designed to make it impossible to use the components if they are stolen.

Because of their popular 'plug and play' design, John Deere displays and GPS receivers have also become more susceptible to theft compared to some other systems on the market. Until now, they could only be locked and protected mechanically. To increase the level of protection, John Deere has therefore introduced the built-in PIN code lock, similar to that used on smartphones, for both components.

The PIN code for the display and the receiver can be entered via the John Deere display. If the



user forgets the code, they can continue working for a limited period, up to a maximum of 72 hours. After this a Master Unlock Code is required, which can be easily generated in the StellarSupport online portal. The

customer's MyJohnDeere login grants access to any John Deere component previously registered in their StellarSupport account.

The new PIN code locking system is now available for John Deere 4240 and 4640 Universal Displays

and the StarFire 6000 receiver. It is bundled with the recent 19-1 software update, which permits the upgrade of these specific displays and receivers. This latest security feature complements the range of precautions already introduced by John Deere this decade to deter thieves. The company's agricultural tractors sold in the UK and Ireland, including the 6M, 6R, 7R, 8R and 9R Series models that are made in the company's main factories at Waterloo in the US and Mannheim in Germany, are fitted as standard with the CESAR Datatag security system, as well as an immobiliser system whereby the key has a transponder unique to each individual tractor. This means that while any other John Deere tractor key will still fit the door and ignition, the tractor won't start without the proper key.

New code to help farmers reduce air pollutant

A new guide to help farmers improve the environment by reducing ammonia emissions has been launched by the Department of Agriculture, Environment and Rural Affairs (DAERA).

Produced in collaboration with the farming industry, the 'Code of Good Agricultural Practice for Reducing Ammonia Emissions' provides farmers with a range of practical steps they can take to minimise emissions of this air pollutant which is harmful to the environment through

the deposition of excess nitrogen on sensitive habitats. Ammonia is also one of a number of contributory factors in the formation of Particulate Matter which has negative impacts on human health.

"Reducing ammonia emissions is one of the key environmental challenges facing agriculture," explained Norman Fulton, Head of DAERA's Food and Farming.

"Many farmers have already made good progress by using methods that reduce ammonia emissions including how they

store and spread manures and by changes made to their livestock diets. But we need to do more and farmers are in a great position to help us protect and enhance our environment, our sensitive and protected habitats as well as the air we breathe.

"We are committed to working with the industry to find ways to reduce ammonia, help farm businesses work in harmony with the environment and develop a sustainable agri-food industry. We need widespread adoption of the measures to achieve that," Mr Fulton added.

It is hoped the new voluntary 'Code of Good Agricultural Practice for Reducing Ammonia Emissions' will help Northern Ireland contribute to the UK targets of reducing ammonia emissions by 8% in 2020 and 16% in 2030.



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BALMORAL SHOW BREAKS MORE RECORDS


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With around 650 trade stands at the recent Balmoral Show, plant & machinery exhibitors were out in force, taking up more space than ever, enabling them to better promote their products and services.

A record attendance of over 120,000 visitors throughout the four days, the show benefitted from a spell of good sunny weather for the most part.

RUAS Chief Executive Alan Crowe commented: "We are delighted with how our 2019 Show went and are thrilled to announce a record high attendance. There were huge crowds each of the four days and the famous Balmoral buzz was certainly there."



balmoral show review



As usual, a highlight of the show was the selection of the 'Best Trade Stands,' with Dennison JCB winning the 'Best Overall' prize. FP McCann and Burkes of Cornascriebe also featured among the winners.

The full list is as follows:

- Best Overall Stand at the Show: **Dennison JCB**
- Best Trade Stand displaying farm and horticultural equipment: **Burkes of Cornascriebe**
- Best Trade Stand displaying other equipment and vehicles: **FP McCann**
- Best Trade Stand displaying local food: **Rooney Fish**
- Best Trade Stand within the Pavilions: **Farm Wardrobe**
- Best Trade Stand not displaying equipment: **Lidl**

Plant & Civil Engineer magazine was there over the four days to capture the event on camera.



Burkes of Cornascriebe.



Dennison JCB.



Farm Wardrobe.



FP McCann.



LIDL.



National Trust.

balmoral show review



Terex Trucks' upgraded TA300 hauler impresses at Balmoral Show

Terex Trucks' dealer in Northern Ireland – Sleator Plant – were proudly displaying the TA300 articulated hauler on their stand at the recent Balmoral Show.

The updated machine incorporates a new transmission that leads to a 5% improvement in fuel efficiency. It allows operators to be more productive, achieving faster cycle times, lower cost per tonne and reduced carbon emissions.

"The upgraded TA300 hauler at the show was the cornerstone of our stand," says Jonathan Campbell, Dealer Principal at Sleator Plant. "It was impressive for visitors to see the robust TA300 up close. We wanted to show that we are at the forefront of the construction industry; our business is all about innovation and pushing boundaries – and that is something we share with Terex Trucks."

Adds Paul Douglas, Managing Director of Terex Trucks: "The TA300 is a proven performer that delivers low total cost of ownership and high productivity. This articulated hauler is simple to operate, robust and easy to maintain. It's great that visitors were able to see the machine up close and learn about the latest product improvements and customer benefits, such as improved fuel efficiency and increased productivity."

Since August 2018, the TA300 has incorporated a new transmission. The updated machine now delivers a 5%



improvement in fuel efficiency, a 5 km/h (3.1 mph) increase in speed to 55 km/h (34 mph), an extended maintenance period and enhanced performance when compared with the previous model. All of this means that customers can be more productive, achieving faster cycle times, lower cost per tonne and reduced carbon emissions.

The TA300's new transmission comes with eight forward gears as well as four reverse gears, higher overall gear ratio spread, equal ratio steps between gears, and optimized gear shifting with partial load shifts. These features mean that the upgraded TA300 offers lower fuel consumption with smoother

gear shifting and thereby higher levels of operator comfort. The TA300 also now comes with long life transmission fluid, increasing the length of time between oil maintenance intervals from 1,000 to 4,000 hours.

Terex Trucks also manufactures the TA400, a 38-tonne (41.9 ton) articulated hauler which is used for hauling excavated rock, moving processed materials and removing overburden. Due to its ability to effectively traverse established haul roads quickly, even in adverse conditions, the TA400 is the ideal hauling solution for customers who need even more power and capacity.



Profit growth places CDE among UK's top-performing companies

CDE has been ranked among the top UK private companies with fastest-growing profits having grown its annual profit by 61 per cent over the past three years.

CDE, an industry-leading solutions provider of wet processing equipment for the construction, mining, industrial sands and construction and demolition waste industries, secured the 80th spot in the annual Sunday Times BDO Profit Track 100.

Working across five sectors and eight regions with some 2000 projects across the world, CDE's breakthrough technology is creating a positive impact by extending the lifespan of natural resources.

For example, CDE technology is helping businesses recover sand from dredging of



Brendan McGurgan, Group Managing Director at CDE.

water bodies; recycle excavation waste from tunnelling projects; reclaim contaminated land through land remediation projects; save rivers by replacing natural sand with

manufactured sand and reduce the need for plastic by producing high-quality glass sands. To this end, the company has just launched the Combo in a move set to revolutionise the wet processing industry. The patented Combo - the world's first all-in-one wet processing plant - was unveiled at bauma in Munich. Brendan McGurgan, Group Managing Director at CDE, said: "Securing rank as one of the top-performing companies in the UK is testament to the work of our dedicated team. It is the efforts of these forward-thinking colleagues and engineers who provide consistent and unrivalled customer care and engagement which places CDE among the leading manufacturers of wet processing equipment in the world."

Lack of Cranes Indicate Lack of Construction Activity

The CIF National Crane Count has highlighted a concerning low number of cranes located outside of the Dublin region. New figures show that regional crane counts are not even 10% of those in Dublin, demonstrating a lack of construction activity outside the capital.

The Irish Times reported that 123 cranes were visible in Dublin city in March, but when compared to crane counts from other cities in Ireland the difference is stark. According to AECOM Ireland's most recent crane count, there are two cranes in Galway City, two in Limerick City, and seven in Cork City. CIF says they are deeply concerned about the disparity between the crane counts, as

they show a distinct lack of construction activity and growth in regional parts of Ireland.

Conor O'Connell, CIF Southern Regional Director said: "As expected, there are more tower cranes in operation in Dublin than any other urban centre in Ireland. The scale of the differential between Dublin and other cities in Ireland is greater than expected even allowing for factors such as population growth and economic output. "At this stage in our economic cycle, after several years of economic growth in most sectors of the economy in most regions, there should be far greater construction and development taking place outside Dublin. We should ensure that our policy across all areas of the economy is "stress tested"

for regional flexibility. For instance, how can we produce residential units at the current market prices in regional towns across Ireland? How can we connect the clusters of industry all over Ireland together in a more efficient manner?"

The regional crane counts were conducted by AECOM Ireland and show that while the overall crane count is up, building activity is not dispersed evenly through the island of Ireland. Many regional cities are today waiting on the delivery of critical infrastructural projects that in many cases are years away from delivery. An example of this is the N6 Galway City Ring Road project which is currently awaiting planning permission. However, assuming this project receives planning permission,



it will most likely be a number of years before we see the delivery of this project. In the mean-time Galway City's traffic congestion problems continue to deteriorate and investment decisions are on hold until the future of the ring road is known."

Crane Count Figures

Dublin City.....	123
Cork City.....	7
Galway City	2
Limerick City	2

Wills Bros Prove Value of Undercarriage Maintenance

In what Komatsu distributor in Ireland, McHale Plant Sales calls an 'amazing' return, leading civil works contractor Wills Bros of Foxford has recorded 10,000 hours of operation from their D65PX dozer before bushings and seals needed replacement.

Two-and-a half times longer than the 4,000 hours Komatsu advises owners to expect replacement might be needed, the result achieved by Wills Bros is attributed to three key factors – their careful attention

to ongoing undercarriage maintenance, care in the operation of the machine, and the features of Komatsu's Parallel Link Undercarriage System (PLUS).

In the D65PX dozer, a rotating bushing and dual seals concept means that an additional bushing segment is fitted between the seals on each side of the chain whose centre pin can be remotely greased. Sprockets can also be changed individually, and by hand. Stressing that good undercarriage management encompasses all aspects of



machine operation, McHale Plant Sales director, John O'Brien said: "Knowing the contribution that good maintenance can make towards reducing costs, Wills Bros must be complimented in doubling the operational return their D65PX delivered."

Good Practice Guide for Safe Use of Dumpers Now Available

In order to help address the problem of injuries and fatalities associated with the use of dumpers, the Strategic Forum Plant Safety Group (SFPSG) has launched a Good Practice Guide for the Safe Use of Dumpers.

The SFPSG is chaired by the Construction Plant-hire Association (CPA) and the guidance was borne out of an industry forum set up through a partnership of the CPA alongside the Health and Safety Executive (HSE) and the Civil Engineering Contractors Association (CECA) who collectively took the initiative to tackle dumper incidents that have occurred such as overturns and individuals being struck by dumpers. As part of the forum's campaign on dumper safety, a seven-point strategy was devised with development and production of a safe use guidance document forming an integral part of that strategy. The safe use guidance extends to 96 pages and is designed to help those involved with planning and carrying out dumper activities achieve a better awareness of the particular risks involved and the measures that can be put in place to mitigate those risks. It focuses specifically on forward tipping dumpers as they are most commonly used on construction sites to transport earths and materials. This involves the machine negotiating ground and terrain - which is variable and not always suitable for a loaded dumper - and discharging their loads into excavations or on spoil heaps. Such activities have led to operational incidents resulting in serious injuries and deaths to either the dumper operator or those near to the machine.

Topcon Unveil Cloud-Connected Logistics Application for Paving

Topcon Positioning Group has introduced Pavelink, a cloud-based logistics application designed to connect every stakeholder in real-time throughout the paving process.



The mobile application is designed to complete a connected ecosystem workflow between the asphalt plants, delivery trucks, company office, and paving site.

The software as a service (SaaS) application has been developed by the Topcon Technology Eindhoven paving application

center in the Netherlands, which expands the portfolio of Topcon paving solutions.

It is designed to seamlessly integrate with existing planning and management tools to improve and advance efficiency, minimising issues such as overages or potential paver stoppages by addressing them more quickly or before they arise.

The system automatically generates digital weigh tickets at the plant that are delivered to the truck driver's loaded app, as well as uses geofence recognition of the arrival of a haul truck at the job site, and tracks all activity digitally — designed to simplify the reporting and documentation process with push-button efficiency.

Engcon develops sorting grabs for new generation of tiltrotators and excavators

Engcon is modifying its stone and sorting grabs to meet the needs of a new generation of tiltrotators and excavators.

A series of adaptations will strengthen the grabs and improve their performance with excavators across a range of weight categories. The new grabs will be available in six different sizes suitable for excavators from 1.5 tonnes up to 33 tonnes.

Grab arms will be closer together, enabling tools to retain small items more securely. Grabs will also be pre-prepared for the installation of side plates, so a stone and sorting grab can quickly and easily be converted into a clamshell bucket.

As with Engcon's existing grabs, the attachment points will be bolt-on and ready for the EC-Oil connector. All joints will be fitted with expander bolts to minimize play, cutters will be bolt-on for simple replacement and the grabs ready for mounting bucket teeth.

The SG12 will be the first model in the new grab series for release, with a grab area of 0.34 m² and suitable for 6-12 tonne excavators.

The new stone and sorting grab will be on show at Bauma 2019, with production due to begin in the summer of 2019.

"Since Engcon first launched its SK stone and sorting grabs fifteen years ago, the tools have



become increasingly common due to the flexibility and adaptability they offer excavator-operators," says Johan Johansson, design engineer at Engcon Group. "Tiltrotators have of course also developed during this time, with new weight categories and more powerful excavators. As well as strengthening the grabs, these adaptations will mean better performance and adaptability for a new generation of tiltrotators and excavators."

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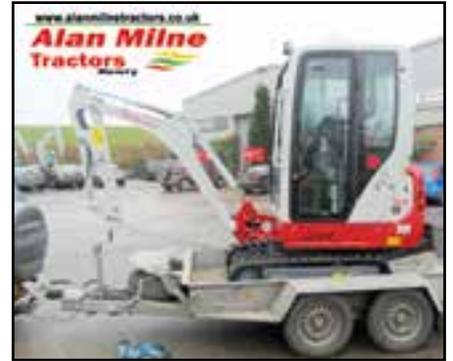
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A new Truxta B450-E Electric Mini Dumper for Drogheda Hire, from Ballyward Plant Services.



New Komatsu WA480-8 being collected by John Munroe from McHale Plant Sales Ltd.



New Takeuchi TB216 sold to Cyril Johnston Hire in Carryduff by Alan Milne Tractors Newry.



TA3SH sold by Sleator plant to JB Hire Omagh.



McGuirk Hire taking delivery of another Kubota U48-4 from FJS Plant.



Malachy Boden, Newcastle, Co. Down received a SK140SRLC-5 from McSharry TRACK. He visited their stand with family at Balmoral.



James Armstrong from Armstrong Structural Ltd, Benburb collecting his new JCB 3TS-8W Teleskid.



2 of 6no. Rotair MDVN22 compressors supplied to dyson energy from Crumlin Plant sales.



New yanmar VIO50 being supplied to tony Marley of Marley hire.



Dromad hire Dundalk take delivery of 4 new yanmar machines from Crumlin Plant sales.



A new Giant SK Mini Skid Steer Loader for M Harris, from Ballyward Plant Services.



Caroline and Enda, Ballinrobe Plant & Tool Hire, Co. Mayo with their SK45SRX-5 and SK28SR-6 from McSharry TRACK.



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Dieci Agri Farmer 32.6 sold to P Rafferty in Keady Co Armagh by Alan Milne Tractors Newry.



GS1932 sold by Sleator Plant To McAuley Engineering, Ballymoney.



New Merlo TurboFarmer TF42.7 sold to Derrick McCarter by McHale Plant Sales Ltd.



TA1EH sold by Sleator plant to JB Hire Omagh.



New Case 721G supplied by Cowan Bros to Agri Contracts Ltd, Dungannon.



First New Komplet 48.25 mini tracked crusher sold to Lehane Tarmacadam, Macroom, Co Cork.



Gareth Culbertson with his new Manitou MLA-T 533 Elite.



Pc dynes insulation collecting their new Rotair MDVN26 compressor from Crumlin Plant sales .



Liam Maher, LMP, Co. Tipperary and his son Jack with their SK140SRLC-5 from McSharry TRACK.



Armstrong Transport with new Faymonville 4 axle 9ft wide extendable low loader.



Baloo Hire collected their first batch of their JCB telehandlers.

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New Komatsu Forest 931XC Harvester sold to Pat Doyle by McHale Plant Sales Ltd.



Yanmar V1033 loaded and ready for delivery to CGM Utilities from Crumlin Plant sales.



New Case CX130D supplied by Cowan Bros to Hugh & Michael Morgan, Newry.



Bryan Kee and Paul O'Donnell, John O'Donnell Construction, Ballybofey, Co. Donegal with their SK140SRLC-5 from McSharry TRACK.



A new Giant D254sw for KC Hire, from ballyward plant Services.



Willis Farms, Portadown took delivery of this new Manitou MLT635-140 V Elite.



New Wacker Neuson RD 18-100 Tandem roller sold to Hirestation, Edenderry, Co Offaly.



Willie and Scott McMullan, Dungannon taking delivery of their New Manitou MLA533-145 Elite.



A Demoter S170 with a post drive sold to B. Waugh in Donoughloney Co Down by Alan Milne Tractors Newry.



A new Adler K600/180 Sweeper for SMC Contracts from Ballyward Plant Services.



John and Margie McSweeney, McSweeney Plant Hire with their SK140SRLC-5 from McSharry TRACK.



New Case CX130D supplied by Cowan Bros to Brendan Strain, Banbridge.



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First new Rubblemaster Rm 70 impact crusher sold in Ireland to Mc Sweeney Bros Mid Cork Quarries by Sme Plant Sales.



2x 6MDX Swivel Dumpers sold by Sleator Plant to CP Hire NI – First two sold in Ireland.



New Takeuchi TB230 delivered to Hugh Stewart in Ballyclare Co. Antrim by Alan Milne Tractors Newry.



New Hammer Sb 70 sold to Plantmaster Hire, Dublin.



TA3SH sold by Sleator plant to JB Hire Dungannon.



New Dieci Pivot T70 sold to Mr Francis Lyttle in Portaferry by Alan Milne Tractors Newry.



New Case CX145Dsr supplied by Cowan Bros to Kevin Farry Plant Hire.



A new Giant Tendo 4548HD for M Marshall Engineering from Ballyward Plant Services.



New Case CX210D supplied by Cowan Bros to ERO Trading Ltd.



New Case CX210D supplied by Cowan Bros to Smylie Site Services.

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New Metso Lokotrack LT116 delivered to CRH by McHale Plant Sales Ltd.



New Metso LT106 sold to Atlantic Plant by McHale Plant Sales Ltd.



Philip and Nathan Coulter of Coulter Homes Ltd who took delivery of the first of their new 540V-180 telehandlers.



New Demoter S330 Hammer sold to PJ Higgins in Enniskillen by Alan Milne Tractors Newry.



2 New Komatsu PC138US-11 sold to Roadbridge by McHale Plant Sales Ltd.



New Takeuchi TB230 sold to Grinan Contractors in Warrenpoint Co Down by Alan Milne Tractors Newry.



New 33.7-115 sold to EJC Contracts Mallusk.



James Quinn Transport at work with new Faymonville 2 axle double extending low bed.



MJJ Transport on collection of another new Faymonville low loader, this time a 4 axle low ride.



Clive Richardson Ltd, on collection of new Faymonville MAX 4 axle step frame.

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New Komatsu PW148-11 being collected by Rossmore Civils from McHale Plant Sales Ltd.



New Wacker Neuson RD 28-120 Tandem Roller sold to Leanes Tool Hire, Killarney, Co Kerry.



1 of three lorry loads of Genie access equipment to Longford Hire by Sleanor plant.



Sean Keenan from Keenan Building Contracts who came to Dennison JCB to check out his brand new JCB 535-125.



2 New Komatsu WA320-8 ready for delivery to Ruttle Agri Services and Jerimiah Duggan from McHale Plant Sales Ltd.



Eugene Comiskey and Martin Brannigan of Alske Contracts, Dungannon with their new Manitou MRT2150 P+ Rotating Telehandler.

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