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NOV-DEC 2019

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First of all, a huge congratulations to all the winners in the annual Plant & Civil Engineer 'Construction, Quarry and Recycling Awards' an event which turned out to be a record breaker in more ways than one. Not only were there more guests, there were more high quality entries, more categories and, of course, more winners – 23 in all!

No wonder the various independent judging panels had an extremely difficult task in narrowing the entries down to the finalists and choosing the worthy winners. With almost 600 guests, it was a truly memorable night at the Crowne Plaza Hotel – and a big 'thank you' too to our loyal sponsors, without whom it would be difficult to organise and stage.

On to more pressing matters now, and with little or no movement here on the political front, it is expected the Secretary of State might soon announce an Assembly Election once we get the Westminster Election over and done with...and then there is the not so little matter of Brexit, but what more can we say about that? The New Year beckons.

So, what have we got in this issue? We report on the annual Stonecrushers Ball in Belfast which provided the perfect setting to celebrate the Northern Ireland winners of the IQ Excellence Awards. We get the latest from Shannon Valley who are moving on to the next stage of what has been a major task to demolish the former Clerys department store, one of Dublin's most iconic city centre buildings, to make way for a new development of retail, leisure and office space.

We hear, too, from Ritchie Bros. who recently held their final auction of the year at its new facility at the old Maltby Colliery near Rotherham. Over the coming months and years, the 26-hectare site will be transformed into a state-of-the-art live auction and equipment care facility.

In our popular 'View from the Cab' series, we have been getting operators' reaction to a number of new machines, including a JCB150X, a Kobelco SK210D dismantler and a Bobcat T650 loader – and we also report on the latest news from the world of waste management and recycling.

And as this is our last issue of 2019, we wish you all a well deserved break over the Christmas period. Thanks for your continued support and contributions throughout the past year. Who knows what 2020 will bring, but let's hope it will be a prosperous and happy New Year for one and all!

Well, that's it for now, but do remember, we will have a comprehensive report in words and pictures on the Plant & Civil Engineer annual awards in our next issue – and you can also 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



Camlough Dam Refurbishment project Scoops Construction Excellence Award

The NI Water project team who completed the Camlough Dam Refurbishment project have scooped a Construction Excellence award from the Construction Employers Federation (CEF). The awards provide an opportunity to showcase the best of the construction industry in Northern Ireland and to celebrate the industry's achievements.

The team beat off stiff competition from many utilities across the province to top the Transport & Utilities Infrastructure category. The team were also presented with a special judges nomination for 'Excellence in Partnering', which is awarded to projects which demonstrate collaborative working and the best approach to partnering in the delivery of the scheme.

The £3 million Camlough project was completed in partnership with Newry, Mourne and Down Council to make essential improvements at Camlough



NI Water's Ronan Larkin, Chairman of Newry, Mourne and Down Council, Councillor Charlie Casey, Paul Davison NI Water, Michelle Boyle, Newry Mourne and Down District Council, Conor Ward, BSG Civil Engineering, Mark Richardson, NI Water, and Alan Lavery, AECOM.

lake. This project has greatly improved the reservoir to provide an enhanced recreational and tourism resource for the future.

The scheme involved many improvements including

strengthening the reservoir embankment to provide extra security in the event of heavy rainfall and the construction of a valve tower to control flows from the lake.

NI Water's Director of Finance and Regulation Ronan Larkin said: "NI Water were delighted to successfully work in partnership with Newry, Mourne & Down District Council, BSG Civil Engineering and AECOM to complete this essential improvement work, which is so important for the local community.

"This prestigious award is testament to the hard work of the entire team and demonstrates an innovative approach to construction excellence. These essential improvements are vital to the local community and the lake is an important recreational resource for the future."

Conor Ward, Contracts Manager from BSG Civil Engineering added: "BSG Civil Engineering are proud to receive this major industry award for construction excellence and worked effectively with our project partners to improve Camlough Lake. The local community will undoubtedly benefit from the improvements for many years to come."



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New exhibitors drive record sales at Hillhead 2020

The organisers of Hillhead 2020, the UK's largest quarrying, construction and recycling exhibition, report that demand for space at next summer's event is at a record high.

The outdoor floorplan is close to being finalised with over 90% of space already sold. In addition to the usual Hillhead regulars, this year's extension to the showground has allowed a plethora of new companies to attend including, among others: Yanmar; Hidromek; MB Crusher; Magni Telescopic Handlers; McLanahan Corporation; Merlo UK; Arjes (Doyle Machinery); BHS-Sonthofen; and DAF Trucks.

Meanwhile, demand for indoor space has been unprecedented with both the Main Pavilion and Registration Pavilion filling up quickly. Companies exhibiting for the first time include: Balluff; Ciptic-Arvis; Petro-Canada Lubricants; Senseye; Bonomi Group; Crush+Size Technology; Twin Disc; Lubas; Simbas; Vulkan Industries; Henkel Loctite; Sulzer Pumps; Yudin Equipment; TCE Transmission, and many more.

Event manager Harvey Sugden commented: 'We know that Hillhead is an extremely popular show in the industry calendar and we always have an excellent response from exhibitors, but this year the demand has been overwhelming.'

Hillhead takes place from 23–25 June at Hillhead Quarry, near Buxton.

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dig day

AJ ARMSTRONG STAGE SUCCESSFUL **HIDROMEK** 'DIG DAY'

A.J.Armstrong & Sons Ltd recently held its first promotional 'Dig Day' to demonstrate the wide range of Hidromek machinery now available in Northern Ireland.

Having already sold two Hidromek 62ss to Keenan's Quarries and a Hidromek 220 to O'Neill Contracts in the short time since acquiring the dealership, the company was keen to showcase the wide range on sale to as many potential customers as possible.

Taking place at ARC Quarries, Ringsend, it was a very successful day which saw a significant number of people turn up to experience first-hand the machinery available and its impressive build quality and technical specifications.

"We were delighted at the customer feedback on the machines and an enjoyable day was had by all involved. We would like to express thanks to ARC Quarries Ltd for the use of their premises and hope that this demonstration event was simply the first of many to come."

*Photos Courtesy of
Chris Maginnis*



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As the largest test centre for Access Platforms throughout the country, PSR Ireland offers a nationwide coverage for service, repair, inspection and certification that is second to none.

The team at the recently launched company has years of experience covering every make and model of access platforms from any manufacturer including tracked spider lifts, articulated booms, scissor lifts, trailer lifts, push arounds and van mounted lifts.

With their head office located in Dundalk, minutes away from Ireland's main transport infrastructure system, it is in a prime position to support equipment maintenance anywhere throughout the island of Ireland.

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All access platforms are subject to regular thorough examination – (GA1 / LOLER98 Certification every 6 months) – it is vital to ensure your machines are fully compliant with Statutory Safety Standards, and that's where PSR Ireland can help.

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PSR Ireland offer tailored Service Plans which involve regular site visits, performed by their highly trained & fully qualified engineers. This service will ensure any potential problems are identified and corrected thus ensuring your equipment continues to perform to a maximum level and also minimises the risk of downtime. The service plans are geared to take the hassle out of all your equipment maintenance, keeping it operational, safe & compliant - free reminders are sent to



Pictured left to right PSR Ireland Head Engineers Jim Kiern & Alan Mc Kinstry.

customers one month before service is due and they will book you in for an onsite visit at a time that suits. Customers can also easily access certs 24/7 with a bespoke Online Portal system. Each customer is provided with a unique username and password where they can access any cert and inspection sheet certified by PSR Ireland.

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Emergency Breakdown & On-Site Repairs is a fast responsive 24hr breakdown service they offer wherever you are located in Ireland. With fully trained and qualified engineers arriving in well-equipped mobile service vehicles carrying specialist tools and equipment giving them the best possible chance of repairing your machine on the first visit.

Currently, PSR Ireland has five dedicated mobile service engineers with purpose built service vehicles on the road for routine examination & certification.

With full Access to over 5,000 Spare Parts, the company carries massive stocks of replacement parts for a vast range of access platform and lifting equipment from all major brands including Genie, Hino, Snorkel, JLG, Pop-Up, Haulotte, Manitou & many more, therefore helping reduce downtime and the inconvenience of having to order a part.

IPAF Member

The company is a member of the International Powered Access Federation (IPAF) that promotes the safe and effective use of powered access equipment worldwide. As a member, it has access to a range of services, benefits and special offers which improve its knowledge as a service provider and ensures customers are getting the safest service.



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New Digital Construction platform emerges

BIMcert's innovative online training platform for the construction industry is about to become a reality. It is now live with temporary free training for all.

BIMcert aims to develop a series of training interventions using digital technology and improved blended techniques to support, enhance and maximise the impact of energy efficient skills at all operational levels within the construction industry. Central to this is the creation of an accredited curriculum and framework of qualifications developed through the work and output from each work package, within the context of a National and European wide framework.

The e learning platform includes BIMcert's 'bite-sized' learning modules. Modules including BIM ready can lead the worker to the Digital Construction with Building Information Modelling award via the platform. The modules include digital skills, BIM for contractors, advanced BIM and energy efficiency and BIM facilities management.

The BIMcert platform was designed based on the feedback



(L-R) Paul Mc Cormack, BIMcert Programme Manager, Belfast Met, Niall Doyle and Eamonn McDonnell, from O'Hare and McGovern, and Barry Neilson, CITB NI at QUBs School of Biological Sciences, a BIM project.

from the industry. It will encourage participants in more self guided learning and the platform includes gamification features to engage trainees and provide autonomy.

With enhanced sustainable construction and energy efficiency skills the worker can engage in collaborative working routines through the entire construction chain.

Belfast Met Lecturer in Architectural Technology and Construction, Andrew Hamilton said: "The new platform is strategic for the future of construction. BIMcert proceeded with the creation of a UK (RQF) level 3 qualification, (European Qualification level 4) and now BIMcert has developed a range of Digital Construction with Building Information Modelling qualifications."

BIM is a modern digital technology supporting the sustainability targets of the construction sector and it has become a key requirement in building, where the information is managed through the lifecycle of a construction project.

The learner gets an understanding in the practice of 3D modelling for building information modelling. This includes architectural, structural, mechanical and electrical work. BIM software enables energy calculations by simulation techniques and you can translate BIM output data into decision making.

The BIM platform can stimulate demand for sustainable construction and an energy skilled workforce.

Belfast Met in partnership with six other European partners have now developed a platform that can empower the construction industry to achieve a greener built environment.

Log on to the BIMcert website <https://energybimcert.eu/> and you can navigate your BIM journey.



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SHANNON VALLEY MOVE ON TO NEXT STAGE OF FAMOUS DUBLIN LANDMARK PROJECT

PART3

When Shannon Valley undertook this major contract for the partial demolition and alteration works to one of the most iconic city centre buildings in Dublin, they knew there would be challenges to overcome, along with the difficulties of working in the inner city area, on a highly developed site, with historical buildings with little or no space for any margin of error.

The regenerated scheme seeks to restore a vibrant, diversely mixed and intense use to the former Clerys premises, which has been waning for decades. The new scheme includes two floors of retail at the building's lower levels, and offices on the floors above, with a food and beverage and events space at the new proposed roof level.

The world famous Clerys building on Dublin's O'Connell Street was built 165 years ago and has seen many changes through the years, although throughout that period its striking façade has been one of the city's most enduring landmarks and that will remain so for the foreseeable future.

That's because great care has been taken to ensure that everything of architectural and historical interest within the building, including the famous original clock, ceremonial staircase, bronze shop window frames, original columns and capitols, and the coffered ceilings has been retained, so that it can be incorporated into a vibrant mix of new architectural treatments, along with the restored decorative neo-classical fabric, as well as reinvigorate the idea of the original atrium, which was infilled in the 1970's, bringing the new development into the modern era.

The new development also will include a 176-bedroom four-star hotel, which will be re-attached to the original historic building with a new links bridge spanning over Earl Place. Earl Place will be restored from an old service road into a vibrant street more in tune with the regenerated area.

Clerys had lain empty for a number of years, before it was acquired for more than €60m by a European investment group, who are redeveloping the site, which is located in a highly significant and sensitive part of Dublin's city centre on O'Connell Street Lower, bounded to the east by Marlborough Street and to the south by Sackville Place and facing west to the Millennium Spire.



The project is expected to create over 700 construction jobs and once completed by late 2020 or early 2021, the redeveloped site will be called 'Clerys Quarter', providing employment for over 400 people.

Since being appointed by the main contractor Glenbrier Construction, demolition work has been steadily progressing, with dedicated teams from the Shannon Valley Group, one of Ireland's

largest Civil Engineering and Demolition companies working day and night to successfully complete the first phases and already starting the second phase of the project, which includes additional demolition and alteration works, piling and attendance works and other civils and enabling works.

Soft Strip

The first phase included all soft strip to remove fixtures and fittings, electrical wiring and piping, floor coverings, shelving and other materials from the equivalent of seven acres of floor space. Asbestos was also removed from the buildings, which necessitated the deployment of a specialist contractor, clearing the site of any contaminated materials, all regulated, using contained areas, wrapping and licenced disposal of uncovered materials, with specialist monitoring to assure public safety.

Included was the demolition of two warehouses, which were connected to the original building across Earl Street by a double storey links bridge. It was a major challenge as they included a lot of steel encased in concrete which had to be hand exposed, and cut by burning works, all in a phased sequence to ensure the stability of the structure was maintained during the destruction process.



Also demolished was a five-storey 1970's building, which included the original Sky Café. A lot of this demolition work had to be done by hand, and although surrounded by other historic and sensitive buildings, it was completed flawlessly, without damaging, cracking or interfering with any of the adjacent structure.

Five secondary staircase, escalator and lift shafts within the retained building were also demolished by hand, which was necessary for the reintroduction of sustainable use, in a logical and compliant layout, in the new scheme. The 1970's roof and steel structure on the retained building was peeled back by hand, and lifted out using a 350ton crane, supplied by Tusker Crane Hire.

Challenges

"Pricing the Clerys demolition works, was challenging, and required thinking outside the box, to meet the many deconstruction challenges that the project presented. In many cases, you haven't the liberty of knowing what you are really dealing with, until the various layers are unwrapped, to expose the reality, which can be either frustrating or very rewarding," says

Shannon Valley Group
Quantity Surveyor
Adrian Boyle.

He adds: "The only way to

approach demolition is to be methodical, and meet each challenge, as they unfold. For the project to succeed, you require an experienced site management team, with good communication, including all the team, with constant supervision, to prevent a project of this scale veering out of control. On this project we had the right balance."

Indeed, to date, there have been well over 1,800 trucks movements to and from the site, with much more material, yet to be removed!

It's been a challenging, fast moving project to maintain and manage, considering the volume of work and the number of people involved, but despite all of that, there has been little noticeable disruption to the surrounding streets and businesses, thanks to careful planning, constant monitoring, and the implementation of rigorous health and safety measures.

Equipment

At the peak of the work around 45 men were on site, some of them working through the night, using a wide range of plant and machinery which included:

- Long reach Hitachi excavator c/w breaker and muncher attachments
- Rubber duck excavator c/w breaker and muncher attachments

- Various sizes 360° tracked excavator's c/w breaker, muncher and shears attachments from 35T to 1.5T
- Electrical remote controlled Brokk c/w breaker and muncher attachments
- Rigid frame skid steer loader with grapple bucket
- MEWP's both cherry pickers and scissors lifts
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- Chain, track and concrete floor and wall saws
- DustBoss and dust suppression unit
- Articulated / Rigid and RoRo Skip Trucks
- 350T Mobile Crane

Despite the age of the building, there were no notable or unexpected 'treasures' uncovered, other than some vintage glasses and bottles of long forgotten but unpalatable wine!

The Clerys project has been one of the most challenging and complex demolition undertakings carried out by Shannon Valley. The company see it as an example of what they are capable of and should open up other opportunities to demolish large and more demanding projects across the island of Ireland.

THE PROJECT IS EXPECTED TO CREATE OVER 700 CONSTRUCTION JOBS AND ONCE COMPLETED BY LATE 2020 OR EARLY 2021, THE REDEVELOPED SITE WILL BE CALLED 'CLERY'S QUARTER', PROVIDING EMPLOYMENT FOR OVER 400 PEOPLE.



RECORD BREAKING PLANT & CIVIL ENGINEER AWARDS

The annual Plant & Civil Engineer 'Construction, Quarry and Recycling Awards' proved to be a record breaking event this year, with more guests, more high quality entries, more categories and more winners than ever before!

Amalgamating the waste & recycling industry awards from our sister publication Sustainable Ireland meant that there were 20 categories, including 'Demolition Project of the Year' and 'R&D Innovation of the Year,' both of which attracted lots of attention.

With almost 600 people from across all the various sectors in attendance, it was a truly memorable night at the Crowne Plaza Hotel in South Belfast, with compere for the occasion being BBC and UTV sports presenter Adrian Logan.

Our judges had an extremely difficult task in narrowing the entries down to the finalists and choosing the worthy winners as the quality of submissions this year was exceptionally high.

Always a big highlight of the awards night was the presentation of the Special Recognition Award – and it went to

founder of Campbell Contracts Limited, Jim Campbell, who was honoured for his life-time service to the industry.

His company operates in a number of areas of the industry, but is probably best known now for its expertise in utilities contracting, having completed a wide variety of civil engineering projects throughout the UK and Ireland.

Our chosen charity for the night was the NI Children's Hospice, with a very generous £9240 being raised for this worthy organisation.

Among the fantastic prizes up for grabs during the event was an overnight stay with breakfast at the Dunadry Hotel, a case of superb wine, a £200 Hastings Hotel voucher, a Northern Ireland match jersey, a signed Ireland rugby ball, and a Jordy Murphy Ireland rugby jersey, while Sean McCardle from MT Waste kindly donated a forklift/teleporter tipping bin for auction!

Here we list all the big winners of the night, but you'll need to catch up with our following magazine issue to find out why they won! Yes, we will be carrying a comprehensive report in words and pictures in our next issue, so don't miss it.

WINNERS

Plant Hire Company of the Year
Dromad Hire Group

Excellence in Customer Service
Tobermore

Environmental Initiative
Menarys in partnership with Recyclo

Plant Manager of the Year
Peter Loney from Balloo Hire

Demolition Project of the Year
Shannon Valley Group

Circular Economy
PPP Group

Civil Engineering Company of the Year
A. G. Wilson

Health & Safety Award
Lowry Building & Civil Engineering

Specialist Contractor of the Year
Waterworx Pipeline & Civils Ltd

Waste Management Team of the Year (Joint)
RiverRidge & ROC Recycling Solutions

Waste Management &
Environmental Excellence
Re-Con Waste Management

R&D Innovation of the Year (Joint)
Terex Corporation for its OMNI system & ReCon Waste Management

Quarry of the Year (Hard Rock)
Northstone's Croaghan Quarry

Quarry of the Year (Sand & Gravel)
**Tobermore's Sand and Gravel
Quarry at Lough Fea**

Quarry Manager of the Year
**Paul Shannon from Quinn Building
Products' Crievehill Quarry**

Construction Company of the Year
Creagh Concrete

High Achiever of the Year
Dennison JCB

Student of the Year
Ciara McAuley

Construction Project of the Year
Balfour Beatty CLG

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Council's Newpark Road Centre**

Special Recognition Award
Jim Campbell of Campbell Contracts



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UNDIVIDED ATTENTION

Powerscreen Prepares to Launch Premiertrak 330

Powerscreen is preparing to launch the most recent addition to their jaw crushing range, the Powerscreen Premiertrak 330.

The new Premiertrak 330 is fitted with a simple large fixed hopper, manufactured from an 8mm wear plate, improving set up time, reducing pegging and increasing the life of wear parts. The hydrostatic drive allows reversibility of the chamber, meaning the machine can unblock and run in reverse, allowing easier crushing of certain materials.

In addition to this, a low engine speed improves fuel consumption and provides lower noise emissions for working in urban or restricted areas.

These benefits provide customers with exceptional levels of reliability, efficiency and performance. Striking aesthetics coupled with innovative technologies mean the Premiertrak 330 is set to dominate the market.

Powerscreen Product Manager, Neil Robinson has said, "The Premiertrak 330 is a solid addition to the Powerscreen jaw crushing range. The lightweight machine, weighing less than 35,000kg with options, boasts a number of new features. The Premiertrak 330 has been designed to promote an easy and effective flow of material to minimise any potential build-up, therefore maximising uptime. "Contributing to this is a two piece grizzly feeder with the second section angled which allows a better material flow

towards the chamber and prevents bridging. These are just some of the features that contribute to the astounding low cost per tonne performance of the Premiertrak 330."

The Premiertrak 330 crusher uses a 1000mm x 600mm (40" x 24") jaw chamber and is capable of producing up to 280tph (308 US tph) of crushed material. It can be used in a range of applications including aggregate, recycling and mining.

Since 2014 Powerscreen has been a trail-blazer in machine telematics, being the first mobile crushing and screening manufacturer to offer such a solution. All Powerscreen crushers come with the ground-breaking Pulse Intelligence system as standard.

Powerscreen Pulse is a remote monitoring, fleet management system allowing crushing and screening equipment operators and owners to have unrivalled access to key data. This data has the power to revolutionise operations and analysing it can mean improved machine operation, increased uptime, in-depth reporting and fleet management.

Powerscreen Pulse Intelligence is available anywhere at any time, on a PC, tablet or smartphone.

The system provides comprehensive information on the GPS location, start and stop times, fuel consumption, tonnages, cone settings, wear ratings, operating hours, maintenance status, and much more.

The Powerscreen Premiertrak 330



- 17m
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Simply continues recruitment drive in Northern Ireland

Simply, the SME funder, has expanded its team in Northern Ireland with the appointment of Sean Darcy, area sales manager for the south west of Northern Ireland.

Sean has over 30 years' experience in the commercial banking and asset finance sectors in Northern Ireland. He joins from another funder and fully understands the importance of being on hand to provide support to local businesses

with fundraising requirements. Priding himself on providing a personal local service and quick turnaround times, Sean lives in Tyrone and is ideally placed to serve the local business community. Commenting on Sean's appointment, Gary Coburn, head of sales in Northern Ireland said: "I am thrilled to welcome Sean to the Simply family. He brings a wealth of relevant and valuable knowledge to the team here in Northern Ireland. I've worked with him in the past and know that he will be a first-class addition to the business."

Sean Darcy commented: "Simply has a great culture, a strong reputation and the business in Northern Ireland has seen solid growth since it was established. I am looking forward to building on this success whilst ensuring we remain focused on delivering an exceptional service to our SMEs in the region. I am delighted to be joining Simply at such an exciting time and look forward to helping businesses on the ground."



Sean Darcy

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TEREX ECOTEC SHAPES ITS FUTURE AT GLOBAL DEALER CONFERENCE

Terex Ecotec, an industry leader in the design and manufacture of wood processing, biomass and recycling equipment, recently welcomed over 100 distributors and customers from across the world to its Global Dealer Conference, which took place at its brand new Terex Campsie facility in Londonderry.

Under the theme 'Shaping Our Future' the conference brought together its distributor network and customers to see the facility for the first time, set out its comprehensive product portfolio—including the unveiling of four new products to be launched this year—and shared its vision for the future alongside partnering with their global distribution network for success.

The Terex Ecotec product line has grown significantly since it was established in 2014 as a strategic response to meet the specialised needs of customers in the growing waste management and recycling sector.

Tony Devlin, Business Line Director for Terex Ecotec commented, "Terex Ecotec has evolved considerably since our last dealer conference was held in 2015, when we were essentially a new entrant to the environmental market. Today, we are a major player in the industry,



The new TDS 825 Slow Speed Shredder reducing bulky waste material with ease at RiverRidge, Maydown facility.

which has been achieved together with continual investment in our business as well as through the support of our distributors."

The dealer conference took place at an impressive set up on the factory floor at the Terex Campsie facility, with presentations on the business and strategy going forward, new product development, telematics and future technological developments, conveyor product developments, technical support

and training, spare parts, marketing, and partnering for success, to include support being offered by Terex Financial Solutions.

A dramatic curtain drop unveiling of the new TSS 390 Wheeled Single Shaft Shredder was extremely well received by attendees, who also enjoyed a tour of the facility to see the production lines where the Terex Ecotec product is being manufactured.



The complete package for Biomass production was on show in the waste wood area at RiverRidge, Maydown facility using Terex Ecotec equipment (TSS 390, TDS V20 and TMS 320).



Kieran Hegarty, President, Terex Materials Processing and Tony Devlin, Business Line Director, Terex Ecotec, along with some of the new recruits at Terex Campsie.

Live Demos

The proceedings at the Terex Campsie facility were followed with an impressive array of live machine demonstrations at the nearby RiverRidge, Maydown facility, Northern Ireland's largest, and most diversified independent waste management company. Different applications were processed to demonstrate the capability of the new machines, with the TWH Waste Handlers being used to load the material.

The new TDS 825 Slow Speed Shredder reduced the bulky waste material with ease. Green waste material was processed by the TBG 630 High Speed Shredder, producing a high quality end product ready for composting. This fed into the TFC 75 Organics Conveyor, which helped to further aerate the material with its auger system and efficiently create a large stockpile – saving on material handling costs.

The complete package for Biomass production was on show in the waste wood area, with the TSS 390 Single Shaft Shredder slow

speed primary shredder feeding into the TDS V20 Medium Speed Shredder. The high spec biomass product produced by the TDS V20 then fed into the TMS 320 Metal Separator, which removed ferrous and non-ferrous contaminants to leave a clean, high quality, finished biomass product.

Awards

Attendees also had the opportunity to sample the hospitality Derry has to offer with a dinner and awards ceremony—taking place in the iconic Guildhall which provided a striking backdrop. Five awards were presented: Best New Dealer, which went to GM Recycling, Best Year-On-Year Growth, which went to Warwick Ward Machinery Ltd., Best Overall Performance, which went to Molson, Best Year-On-Year Parts Growth, which went to Warwick Ward Machinery Ltd., and Best Overall Parts Performance, which went to Molson.

Tony Devlin continues, "The event was a huge success with comments from distributors

stating they appreciated the opportunity to tour our new facility, meet our expanding team, learn about our plans for the future, and get to see our new products in action for the first time. The unveiling of the new products created a particular excitement, and we are excited to formally launch these products to market before the end of the year."

Following Terex Ecotec's Global Dealer Conference, Terex formally opened its Campsie facility to representatives from educational, political and business institutions in the area, when invited guests and local school students toured the Terex Campsie facility, learned about the products being manufactured there as well as career opportunities at Terex.

Kieran Hegarty, President Terex Materials Processing said at the event, "Our objective is to be recognised as a leading global manufacturer in the waste management, recycling and mobile conveying sectors. Our Terex Campsie facility will enable us to realise this ambition."



The Terex Ecotec Global Dealer Conference took place at an impressive set up on the factory floor at the Terex Campsie facility.



A Terex Ecotec Gala Dinner and Awards Ceremony was held at Derry's beautiful Guildhall.

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



Gordon Best, MPANI

GROWING LACK OF CONFIDENCE CAUSED BY POLITICAL DISAGREEMENTS

At the time of writing we are in the midst of a general election campaign that undoubtedly will determine the direction and outcome of Brexit. Locally we are also expecting the Secretary of State to announce an Assembly Election if the political parties do not agree the re-establishment of the Executive and Assembly. No one now doubts the absolute necessity to get some form of ministerial decision making back in Northern Ireland, whether that be local Ministers or Direct Rule Ministers.

Feedback from MPANI Members and other Construction Group colleagues certainly indicates that the markets are cooling and there is a growing lack of confidence looking forward.

Whether we are teetering on the edge of a technical recession or not, it is perplexing to hear Government on the one hand proclaim that it will become more 'can-do' and will inspire an 'infrastructure revolution', whilst on the other cancelling major energy projects and converting dither into delay on HS2. This impacts on NI as we would enjoy substantial Barnett consequential as a result of increased infrastructure spend in GB.

Given that the supply of materials into the GB Construction market is so important for our Northern Ireland Members any further deferral on such a major infrastructure project as HS2, which is so dependent on the supply of huge volumes of aggregates, asphalt and concrete, is a double kick in the teeth for our sector both in GB and NI.

National Infrastructure Budget forecasts which had already

slipped now have to be torn up, and forward investment in new and improved plant capacity written off over less business. In an era where industry is screaming for more certainty, it serves no purpose for Government to re-announce previous spending commitments, pushing out headline grabbing numbers, whilst delaying start dates and downplaying the timescale during which the spending may, or may not, take place.

NI desperately needs to invest in the maintenance and upgrade of our Roads, energy, water and sewerage infrastructure. We also need more and better housing.

Another Threat

A huge threat to our economy is the current under capacity of our water and sewerage infrastructure. We all know the importance of sustainable funding for water and sewerage services for Northern Ireland. Due to historic underfunding, many of our Waste Water Treatment Works are at full capacity. This means NI Water can't accept connections for new developments, which will be severely curtailed; inadequate funding will also lead to inadequate environmental protections.

No drains means no cranes –to remain fit for purpose, NI Water calculate that the sum Northern Ireland needs is £2.5bn, including £1bn to address wastewater, flooding and drainage problems in Belfast alone. This obviously has potentially severe consequences for material suppliers and the wider construction industry.

As a result of this NICG has met NI Water and it will be the main discussion item on the agenda for the All Party Group on Construction. To help

us lobby we have asked NI Water, CEO Sara Venning for the following information:

- A list of projects that have been impacted, to date, by a shortage of capacity in the waste water treatment system
- A list of areas in which developments can no longer proceed unless private alternative arrangements for waste water are put in place
- A list of areas which will fall into the above category (over the next number of years) if current investment levels are sustained
- Other than domestic water charging or an increase in direct public funding, what options if any are there to meet NI water's funding requirements?

For more information go to <https://www.niwater.com/ourstrategy/>

UK Concrete Group

MPA has announced the setting up of a UK Concrete Group. In simple terms this new group, under MPA and the Concrete Centre, will take the lead in "shouting about" the non-technical facts about concrete and take the battle to Timber and Steel. It is my intention, given the limited resources we have here in MPANI, to be fully engaged with this new initiative and to avail of any resources and messages to come from it.

The 'UK Concrete' project is looking at the effectiveness of our current advocacy: Technical, Political, Public and Innovation, and exploring if a new body recommended to be called "UK Concrete" can play a key role in amplifying the voice of concrete.

Proposal outline

UK Concrete will be the vehicle for advocacy and the voice of the

UK concrete sector, mandated to create proactive dialogue that makes a difference in the market.

It will be:

- a credible and authoritative brand in its own right 'standing up' for the concrete sector
- a strategic influencer on key political and public stakeholders
- responsible for 'taking the fight' to timber and steel

It will:

- actively leverage media engagement proactively and reactively (opportunistic)
- engage with stakeholders using multiple communication channels
- coordinate MPA resources to improve the political and public profile of concrete
- be responsible for developing and executing the MPA's strategic plan for concrete

Good Neighbours

A new scheme to help MPA and MPANI members to engage and build trust with local communities will soon be launched. It is increasingly important to be seen to be "A Good Neighbour" going above and beyond to meet the expectations of local people.

"Building trust with your local community can improve understanding and perceptions of the industry and help operators develop and maintain a good reputation that could be important for the future operation and expansion of your site."

Let's hope the next time I write this message that we have good news in terms of Brexit and a re-established Executive and Assembly

May I wish you all a very happy and healthy Christmas and success over the coming months and into 2020.



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view from the cab

SANY EXCAVATORS IMPRESSING LOCAL OPERATORS

SANY's latest 22 tonne excavator, the SY215C, is creating new admirers after a number of contractors recently spent some time putting a demonstration model from dealers Sleator Plant through its paces on busy site work. Plant & Civil Engineer's David Stokes has been finding out more.

Since Sleator Plant took on the All-Ireland dealership to sell the SANY range of excavators in September, interest in these Chinese manufactured machines has been growing rapidly.

While the SANY brand is not new to this part of the world, not a lot is known about its origins or the manufacturer's extensive portfolio of products, but that is quickly changing.

SANY are the fifth largest manufacturer of heavy machinery in the world, with a range from 1.6 tonne to 50 tonnes. They have 25 manufacturing bases globally with six sales regions and over 100 offices with over 400 agents and 8000 suppliers worldwide. The company has increased production by 65% over the last year to satisfy demand!

All machines come with a 3-year powertrain warranty with the larger tracked excavators, the SY75 and above, with an additional 5-year / 10,000-hour boom, chassis and dipper warranty.

Sleator Plant spent some considerable time thoroughly researching the global

excavator market and believe SANY are the best placed manufacturer to make an impact in Ireland. Any preconceptions they had with the Chinese brand were quickly dispelled when they visited the European facilities in Bedburg, Germany – and when they put the machines through their paces they came away impressed by “the outstanding quality and power of the Sanys.”





Now, operators in the north and south of Ireland are having the same experience, by all accounts. Comments Sleator Plant's Alistair McClintock: "We've had a 22 tonne SY215 demonstration machine out with operators on an almost weekly basis and the reaction has been very positive; there is great potential for the excavator range. Everything we are hearing from operators is really encouraging, and a number of sales have already been secured."

Solid Machine

One of those operators is Mark McKelvey from County Down based McKelvey Contracts, which was established in 2007 with a Caterpillar 320DL, working on a contract on the M2 motorway before securing more work in Scotland. Today, his fleet includes Caterpillars, Case excavators, Doosan and Daewoos, as well as a 5 tonne Bobcat.

"We don't limit ourselves to the one brand, so we had no hesitation taking the SANY demonstrator to it put the test. We used it on site for about a week. It is a solid machine and we were very impressed with its performance. We were using it to dig and load topsoil and found that the engine produced plenty of power, was very responsive, with good digging force - and it was very economical on fuel," says Mark.

The SY215C is powered by a Cummins QSB6.7 6-cylinder diesel engine that develops 163hp at 2000rpm and that meets the latest EU emissions standards through the use of AdBlue.

Comfortable Cab

"It's the first time we've had a SANY on site and comparing it to our other excavators and those on the market, the SANY gives you plenty for your money; it is a good value machine. Easy to operate, the cab offers a good working environment for the operator, with excellent all-round visibility and a high level of comfort."

And he adds: "We also had the smaller SY135 for demonstration

purposes, too, and was well liked by our operator who normally operates a Cat 313F. He didn't have anything bad to say about it."

"Next time we are in the market for a new machine I would certainly consider a SANY. It is well built with solid components and its up there with the best of them."

Mark's comments have been echoed by other contractors who've been trying out the machine in the past few weeks and adds Alastair from Sleator Plant: "We are delighted with operators' reaction to the SANY. There've been good comments about its fuel economy, the power of the machine, cab comfort and the build quality, and with a number of sales already secured, we are confident we can help increase the brand's market share here."

SY215C AT A GLANCE

- Operating Weight: 23,040kg
- Engine Power: 122/2000 kW/rpm
- Bucket Capacity: 0.93 m³
- 3 year powertrain warranty
- 5 year / 10,000 hours boom, chassis & dipper warranty
- Cummins powered units
- Smooth Kawasaki hydraulics
- Comfort cab
- Easy & Fast Servicing & Maintenance
- Full & Reliable Support from Sleator Plant



IRELAND'S INDUSTRIAL POWER COUPLE STEPS PARTNERSHIP UP A GEAR

Industrial power couple, DiPerk Power Solutions and Perkins Engines, have switched their partnership up a gear so customers in Ireland can buy the most innovative and reliable power products, and get technical support to keep them up and running, fast.

DiPerk Power Solutions has recruited a team of highly skilled engineers who will operate out of its new base in Dublin, at the Aerodrome Business Park in Rathcoole. Providing on the ground support to help customers choose the right Perkins' products for their machines, the team will also be equipped with the latest diagnostics tools to give on the spot support so to get the best possible performance out of their engines.

The two companies already have an established connection. DiPerk Power Solutions has been sole distributor of Perkins products in the UK for the last 17 years and is one of the largest distributor of its products globally. "DiPerk Power Solutions has unrivalled knowledge and understanding of Perkins products," commented Emma Jenkins, Dealer Principal for DiPerk Power Solutions. "Having a base in Dublin enables us to service the needs of our Irish customers directly and personally. There's a lot of ground to cover and with different industry sectors we feel it's



The DiPerk Power Solutions team.

important to have a team with the right experience and skills to provide informed, pertinent front-line support to help keep our customer's operating.

"We've hand-picked the team because of their experience and knowledge in our customers' sectors. Many have worked on construction sites, big infrastructure projects or in agriculture, which helps them understand customers' needs and how important it is to provide the right products and support to keep sites operational. They can provide real-time support to customers

on practical issues such as the importance of fluid analysis, Stage V emissions regulations and the pitfalls of purchasing non-genuine products."

Irish customers will also have access to the cutting-edge products the two companies provide. The recently launched Perkins MyEngineApp, for example, is free to download and available on Android and Apple devices. The app enables machine operators to access information about their engine – whether they have just one piece of equipment or a small fleet of Perkins powered machines. Working

in conjunction with the Perkins Smart Cap, an oil filler cap that can be fitted onto most Perkins' engines, it enables the operator to monitor engine-life and keep track of performance so they can manage the maintenance, service and repair more efficiently.

DiPerk Power Solutions will provide customers in Ireland with a 365 day-a-year breakdown service and a 24-hour engineering support offering support on all aspects of installation and operation from repairs to remanufacture.



O'Shea Agri Sales appointed Landini and McCormick dealer in south-east Ireland

Distribution and after-sales support for Argo Tractors products in the midlands and south-east Ireland are being strengthened with the appointment of O'Shea Agri Sales as a dealer for both Landini and McCormick tractors.

Based just outside Castlecomer in Co Kilkenny, O'Shea Agri Sales is run by Richard O'Shea from large, modern premises that provide generous workshop space for servicing and repairs, a parts store, showroom and outdoor display area on a two acre site.

Ben Agar, sales director for Argo Tractors in Ireland and the UK, said: "We're very pleased that O'Shea Agri Sales has joined the Argo Tractors dealer network, supplying and supporting our tractors with a strong emphasis on good customer support. This is great news for both existing and new owners of Landini and McCormick tractors in the area."

Richard O'Shea, Managing Director, said: "We've been considering a number of tractor



Richard O'Shea - O'Shea Agri Sales.

brands to take on and after a lot of research here and abroad we concluded that the Landini and McCormick products from Argo Tractors offer something special with great potential.

"That view was reinforced when we ran some tractors in our contracting fleet for the silage season this year; the McCormick X8 VT-Drive brought

the performance of our Pöttinger triple mowers to a new level, while the X7.690 P6-Drive and Landini 7-160 Robo-Six were great on carting duties, with ride comfort and power probably the most impressive aspects of the machines."

This practical knowledge and experience of running tractors and machinery commercially

provides a sound basis for helping farmers and other contractors choose the best models and specifications for their needs.

"There's two very comprehensive ranges of tractors here from 43hp compacts upwards, with powershift and CVT transmissions, and different levels of features and equipment," Richard O'Shea points out. "That means there's a great choice for every application, whether for grass or tillage farming."

All major components in the tractors up to 140hp are engineered and manufactured in-house by Argo, and for all tractors above 140hp they are sourced from well-known and respected suppliers such as Carraro and ZF.

The best engines – mainly Deutz and FPT (successor to the Iveco engines business) – are chosen for each power level and cabs for all models are designed, engineered and manufactured to a high standard by Argo Tractors.



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How the Skills Gap has Affected the Government's 300,000 new homes target

It's no secret that the construction industry is currently facing an increasingly large skills shortage. This is a big problem for the government, whose plans to build 300,000 new homes a year by the mid-2020s is becoming more of a pipe dream. In fact, according to the Royal Institute of Chartered Surveyors (RICS), the lack of skilled construction workers is at its highest point since 2007. In order to get back on track, the industry needs to recruit over 200,000 more workers by 2020.

Here, industry experts at Vizwear explore what problems the skills shortage in construction is causing for the government's homebuilding targets — and what companies can do to help fill key positions.

What's causing the skills shortage?

"The industry needs to attract a fresh workforce to keep up



with demands," says Daniel Ure from online PPE retailer Vizwear. "But for many on the outside, the thought of working in construction still conjures up images of wolf-whistling workmen on building sites.

"Data from the 2011 census showed that in the construction industry, one in five employees were aged over 55. This means

that by the early 2020s, when the industry should be hitting its homebuilding targets, most will have reached or be close to retirement age."

What steps can be taken to close the gap?

The biggest barrier facing the construction industry is presenting itself as a desirable career path to potential employees. Although often seen in a bad light, there are fantastic opportunities to be had in construction, including mechanics, engineering and electronics.

There are a number of ways that construction companies can reach out to the right candidates and ensure them that a career in construction is exactly what they're looking for.

1. Increase education

To ensure that the future workforce in construction is vibrant and engaged, young people need to be re-educated about what construction is really like. A survey created by L&Q Group discovered that only one in ten children between the ages of 16 and 18 would consider a career in construction, fearing that the industry would be 'challenging and unexciting'. The construction industry simply wasn't appealing enough.

2. Don't neglect training

By offering proper training programmes, construction companies have the opportunity to help close the skills gap with new talent. It's not just labour-intensive roles that are suffering from

the skills shortage — there is also a demand for tech and digital skills. There are also government-funded schemes available to help train future construction workers. For instance, we are currently in the middle of an 18-month fund set up by the government, launched with a budget of £22 million.

3. Look for skilled workers in the right places

Ensuring that next-generation workers are knowledgeable about the industry is vital, but there are other skilled groups that are waiting to be snapped up by the industry. For example, over 14,000 leave the military every year, meaning the construction industry has a pool of highly trained individuals with transferable skills at their disposal. There are a number of companies that have already reaped the benefits of military leavers, and even provide specialist training and learning credits to get them fully trained as soon as possible.

4. Address the gender imbalance

Part of the problem is that construction is a historically male-dominated industry. Between 2007 and 2016, reports found that the number of women workers in construction only rose by 0.7%, resulting in an incredibly low 12.8% total. Whatever the role, women in construction are being overlooked. As women make up half of the population, it seems crazy that the industry is ignoring so much potential talent that it sorely needs to help fill the skills gap.

5. Embrace modern methods of construction

The government has already been warned by the Housing, Communities and Local Government Committee that an over-reliance on traditional building methods will see the UK fall short of its home-building targets.

"The construction industry is always changing," says Daniel Ure. "We're constantly seeing exciting new innovations that allow us to work smarter and more efficiently."

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CONSTRUCTION INDUSTRY FEDERATION CIF ANNUAL CONFERENCE URGES INDUSTRY: BE PREPARED FOR BREXIT

Construction industry experts and senior executives at the recent annual Construction Industry Federation (CIF) conference at Croke Park in Dublin heard a call from the Irish Prime Minister to make sure they were ready for Brexit.

Taoiseach Leo Varadkar urged industry leaders to ensure they were prepared for whatever the outcome would be, including a no-deal scenario.

Over 500 CIF members who attended the construction industry's flagship event in Croke Park heard the Taoiseach say that whatever happened, public capital investment will increase by a further 10% next year. "This will make us one of the highest-investing countries in Europe when it comes to infrastructure," he added.

Also speaking at the conference, Pat Lucey, Director for Infrastructure, John Sisk & Son (Holdings) Ltd and CIF president, thanked the Taoiseach for his presence at the day-long event. "Since becoming CIF President I've met you occasionally. I found your directness and understanding of the issues refreshing. Your presence and that of Minister Murphy and senior civil servants demonstrates a genuine commitment to effective collaboration between Government and industry."

He added: "For me, construction is collaboration. In my mind, the construction industry has a huge role to play in cohering our country together economically, politically and socially."

"As a civil engineer, I of course, advocate for infrastructure. Every single economist out there tells us about the importance



of infrastructure in improving economic and social outcomes for the national economy, but also for the development of strong regional economies.

"The connection is that without improved infrastructure in Ireland, regions will increasingly be left-behind and this will not only lead to reduced economic output, it will also lead to social and political issues in the future. To paraphrase, infrastructure is the great leveller."

"Developing effective collaboration between the state and the construction industry is essential for the delivery of large-scale infrastructure and of course housing delivery. We are on the road so to speak but we are not there yet. There

are too many blockages in the system that we must work together to resolve.

"The first collective step to build effective collaboration should be to reverse the Cabinet decision from May 2004 introducing fixed price lump-sum contracts for construction. It was a regressive step and is the key logjam in the efficient and cost-effective delivery of public sector contracts in this country."

"Another area where politics is impacting on our industry and its output is the delay with the introduction of CIRI. For me, this is a chance to transform our industry by introducing a threshold for competence and quality, so there must be a minimum standard of competence before someone can be registered as an operator in the industry. CIRI is that step and we must take it promptly."



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FERRYBRIDGE REACHING NEW HEIGHTS WITH UNIC CRANE RANGE

County Wexford based Ferrybridge bought their first mini crane in 2003 and have grown the fleet, slowly but surely since, as the company has increasingly been involved in many prestigious and high-profile projects across Ireland.

Today, Ferrybridge, who operate a highly successful and well-established hire and sales business, run an impressive fleet of 13 Unic mini crawler cranes of varying capacities and heights.

Regarded as world's most compact mini cranes, they represent the perfect lifting equipment wherever access is restricted or working space is confined, as the team at Ferrybridge will testify.

Complicated glass and complicated steel, they've seen it all – from lifting and placing a one tonne piece of glass in the commentators' box at the Aviva Stadium to steel structures at T2 in Dublin Airport. Yes, their cranes spent years in the departures area, but never going anywhere!

Ferrybridge's Unic cranes have also been utilised to erect an iconic statue of Paul O Connell at Shannon Airport. The six-metre sculpture captures an important moment in the famous Ireland versus England match at Croke park in 2007, when O'Connell was lifted high by his fellow Munster teammates Donnacha O'Callaghan and John Hayes to win a line out for Ireland.



The cranes were a vital part, too, in the construction of the Rose Fitzgerald Kennedy Bridge which crosses the river Barrow to the south of New Ross, connecting Stokestown in Co Wexford and Pink Point in Co Kilkenny. At 887m long the "extrados" type bridge – a combination of cable stay and pier support – is regarded as the longest of its kind in the world and the longest of any kind in Ireland; it is due to open in December.

Ferrybridge have also supplied cranes for use in various other projects - at Croke

Park, Thomond Park, Facebook HQ, Google HQ, and on many other contracts.

Currently, Unic cranes are being used in Irish Water's €400 million project to upgrade the Wastewater Treatment Plant at Ringsend; Ferrybridge is partnering with Mastif Engineering to provide the mini-craneage to the site. They presently have four on site, but that number will vary, depending on site requirements.

Built in 2005, the current wastewater treatment plant is the largest in Ireland. Although it was designed to cater for a population equivalent of 1.64 million people, it currently treats wastewater for the equivalent of 1.9 million people serving Greater Dublin and surrounding areas. The upgrade will increase the population equivalent by 400,000.

Valued Unic Range

With a client list that also includes Gunne Lennon, Senator Windows, Duggan Systems, Architectural Aluminium, Permasteelisa Group, Sincon Construction, Bennetts, Bam Civil, Walls Construction, Wall Steel and Duggan Steel, it is clear Ferrybridge has the experience and the equipment that its customers truly value!

Yes, Unic mini cranes, as well illustrated by the above mentioned projects, have the flexibility and capabilities to assist in a huge variety of lifting situations.



The range includes the URW-95. At 0.6m wide, the 095 is specifically designed for interior access and has the lifting capacity to deal with most loads with power to spare. It boasts unrivalled boom length and its outriggers allow independent, multi-angle configuration to match the working space available.

Meanwhile, the URW-295 is the first mini crawler available in Europe narrow enough to allow access through a standard doorframe, but with almost 3 tonnes of lifting power. It leads the way technically with an array of safety features including a computer-controlled, intelligent voice warning system.

The Unic URW-376 features a six section hydraulic boom to allow it a maximum working radius of 14.3m. This mid-capacity machine can be controlled either from the onboard operator's seat or from a distance using remote control.

The range also includes the Unic URW-506 which is capable of lifting three tonnes



at 3.4m radius, while the Unic URW-706, which offers a 6 tonne capacity at 3m and a hook height of 19.5m, is the highest capacity crane in the UNIC range.

The 706 is undoubtedly the behemoth of the mini crane world and yet at 1600mm wide is still narrow enough to gain access through a standard double doorway. For added lifting flexibility, the 706 also features an optional 3.1m long stowable fly jib, together with an optional searcher hook.

**FERRYBRIDGE
HAVE ALSO
SUPPLIED CRANES
FOR USE IN
VARIOUS OTHER
PROJECTS - AT
CROKE PARK,
THOMOND PARK,
FACEBOOK HQ,
GOOGLE HQ, AND
ON MANY OTHER
CONTRACTS.**

MPA Launches New ‘Guide to Avoiding Contact with Moving Machinery and Isolation’

The Mineral Products Association (MPA) has published a new guide, ‘Avoiding Contact with Moving Machinery and Isolation’ to assist supervisors and managers on site.

MPA’s Health & Safety Committee identified contact with moving machinery and isolation (including stored energy) as one of ‘The Fatal 6’ high consequence hazards that have been the main cause of fatalities over the last decade.

By consolidating industry best practice and guidance, raising awareness using a variety of media including apps, developing useable tools for reducing risk and doing all those exceptionally well with an uncompromising approach, the Health & Safety Committee, supported by MPA’s Board and Council, believe that we could potentially reduce up to 75% of our most serious health and safety incidents.

The 171-page A5 Guide has been prepared by the MPA and it supports other industry technical guidance.

The narrative and practical examples have been taken from the significant amount of materials that were received from MPA members, both large and small, after a request to share best practice on this subject. The publication complements the pocket size ‘Guide to Energy Isolation and LOTOTO’ and accompanying posters and stickers that were widely distributed to members earlier this year.

By embracing the MPA principles of ‘Safer by Sharing’ and maximising the distribution and use of these materials, we are all helping to reduce the risk of another ‘Fatal 6’ incident occurring. This approach forms part of a wider industry campaign supported by the Strategic Forum for Health & Safety. Copies are available at cost plus p&p, at £5.50 + VAT each for MPA members, £6.50 + VAT each for non-members. Sample copies will be sent to nominated representatives and key committee members with an order form. The information will also be sent electronically.

Commenting, Nigel Jackson, Chief Executive of the Mineral Products Association said: “MPA’s Health and Safety Committee has worked hard over the last 10 years, recently developing the ‘four Ps’ of Safety Management – people, plant, process and performance to support supervisors and managers on site. The information in this document has been taken from a range of materials that were received from MPA members after a request for sharing best practice. I would like to thank all those that contributed with the singular uncompromising objective to reduce the risk of Contact with Moving Machinery. I hope this new guide will prove to be as successful as our earlier ‘LOTOTO guide’ which has now reached around 40k users in recent months and our popular Driver’s Handbook, which has reached over 60k users. Collectively, these publications and the behaviours they can influence can contribute to major improvements in industry performance and cultural change.”

Third Party Quality Assured Concrete Products and Management Systems

“Your guarantee of quality and responsibly sourced materials”

As a customer of our industry and purchaser of concrete products you want to be assured that those products you buy and use come from sites that are managed in a safe and environmentally responsible way. You also want to have the guarantee of quality and that what you asked for is what you get.

With increased customer expectations and assurance about “Who is watching the quality?” those within the concrete products sector offer this guarantee of third party quality assured products.

MPANI have listed below, with the support of QSRMC and BSI, all Third Party Quality Assured Companies in Northern Ireland to allow you to make better decisions when purchasing materials from the Industry.

Public sector procurement policy in Northern Ireland requires that all concrete used on public sector construction sites MUST be sourced from Third Party Quality Assured Concrete Suppliers. For more information on this requirement go to page 20 <https://www.financeni.gov.uk/sites/default/files/publications/dfp/sustainable-cons-note-eight-durablesustainable-concrete.pdf>

It states; All ready-mixed concrete supplied for government contracts must be from production plant currently certified by a body accredited by the UK Accreditation Service (UKAS) to BS EN 45011 for product conformity certification of ready-mixed concrete. These include: - QSRMC (The Quality Scheme for Ready Mixed Concrete) – www.qsrmc.co.uk - BSI (British Standards Institution) – www.bsi-global.com

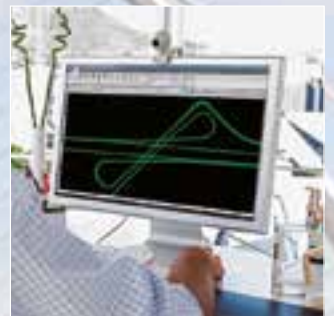
In terms of private housebuilding the National Housebuilding Council (NHBC) standards specification clearly states that Ready mixed concrete being used on an NHBC registered housing site is only acceptable from a supplier operating a full quality control system such as operated by QSRMC or the BSI kite mark or an equivalent system acceptable to NHBC. For more information go to Chapter 3.1 in the NHBC Standards <https://www.nhbc.co.uk/Builders/ProductsandServices/Standardsplus2018/#14>

For further information please contact MPANI on 028 9082 4078 or email gbest@mpani.org

QSRMC Registered Companies	Company Location
LD Aggregates	Cookstown
B McCaffery & Sons Ltd	Enniskillen
Breedon/Whitemountain	All Sites
Northstone NI Ltd	All Sites
Tracey Concrete	Enniskillen
Quinn Building Products	Enniskillen
Norman Emerson Group	Craigavon
F P McCann	All Sites
Clady Quarries Newry	Armagh
Creagh Concrete	All Sites
Gregory Donnelly S & G	Strabane
Carryduff Building Supplies	Carryduff

BSI Registered Companies	Company Location
Alpha Quarry Products Ltd	Co Down
RTU Ltd	Newtownabbey
CES Quarry Products Ltd	Newtownards
Carryduff Concrete	Lisburn
Neil Mullin & Sons Limited	Omagh
McGarrity Bros	Omagh
CES Quarry Products Ltd	Saintfield
Loughran Rock Quarries Ltd	Carrickmore
Macrete Ireland Limited	Toomebridge
Robinson Concrete Ltd	Claudy
Robinson Concrete Ltd	Ballymoney
Stoneyford Building Supplies	Lisburn
Loughran Rock Industries	Armagh
Joseph Barrett & Sons Ltd	Dungannon
W & J Chambers Ltd	Coleraine
W J Chambers Ltd	Londonderry

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view from the cab

COLIN BRADLEY CONTRACTS' NEW **JCB** HAS THE X-FACTOR

Bangor, County Down based Colin Bradley Contracts is clearly a JCB fan; they've had five JCB machines down through the years and recently added a new 15 tonne JCB150X-Series excavator, supplied by Dennison JCB, as Plant & Civil Engineer's David Stokes reports.

Colin Bradley Contracts offer a wide range of services, from demolition and site clearance to excavation and groundworks. The company's high level of repeat business is a testament to the quality of their work and the professionalism of their team.

From drainage and service connections to excavation and land clearance, the highly skilled workforce can do it all - on time and on budget. But that's only

possible with equipment they can depend on, which is one major factor in opting for JCB.

"We cannot afford unnecessary downtime, so we need machinery that is not going to let us down, and over the years we've relied a lot on JCBs," says Colin Bradley. "Currently, we have a four year-old JCB145, which we are still using, and like the others it has proved its worth, so we had no hesitation in going for this new model; we also have a JCB Fastrac out on demonstration."

More Power

What does he think of the 150X which has recently been used on a demolition project in Holywood?

"Compared to the older 145 model, this new machine gives us more digging power, performance is very smooth and fuel economy is as good if not better.

"I do a lot of rotational and proportional work, so I am very happy that the controls are easy to operate, and the cab is also very comfortable, providing a great working environment, which is important because I spend a lot of time out on site."

Colin specified a Comfort Pack with the JCB 150X, so he is also well set up for the winter as that includes a professional air suspended heated seat, front and side cab blinds and climate control air conditioning. The machine is also equipped with no less than 10 LED lights.

"I am very satisfied with the 150X. There were a few very minor teething problems when I first got it, and that's only to be expected, but the team at Dennison JCB quickly resolved those issues and it's performing exceptionally well, as has been the Fastrac."

Up Close

So, let's take a closer look at the JCB150X which is fitted with 700mm steel tracks. The spacious JCB CommandPlus cab uses the latest double cushion viscous mounts which reduce vibration and



**FROM DRAINAGE
AND SERVICE
CONNECTIONS
TO EXCAVATION
AND LAND
CLEARANCE, THE
HIGHLY SKILLED
WORKFORCE CAN
DO IT ALL - ON TIME
AND ON BUDGET.**

noise, while a powerful new HVAC with 11 targeted vents provides optimum performance in hot and cold environments - and a cool/heat box comes as standard.

Joystick and switch controls are mounted to pods which are suspended from the seat and move with the operator for optimum control and less fatigue - and customisable proportional controls allow the operator to set their preference of speed and control of attachments, while an industry standard isolator lever operation prevents accidental activation when exiting the cab.

Proven Japanese hydraulics deliver precise and efficient control, with the operator being able to select Auto-Stop and Auto-Idle depending on preference. There's also a power boost button that increases pressure by 9% for up to 9 seconds to provide extra tear out in tough conditions - and the slew drive provides high torque on acceleration and braking for greater controllability and refinement.

The provision of a start-stop button for ease of start-up means the operator doesn't have to turn the key to start it back up again. The start sequence also allows you to start digging within 2 seconds.

Tracking speed can be found on the joystick for on the move tracking change, whilst

a convenience button lets you configure a range of functions such as radio mute, camera cycle, or front screen wash.

Pipework shut-off taps are added as standard to enable quick connection of attachments, while the easy quickhitch provides simplified operation with an override for removing large breakers or forks.

There's a spacious luggage tray behind operator's seat with 3 independent 12V power supplies, and another handy storage space can be found at the back of the cab in the roof liner, including a hanger for the operator's gear.

Simple servicing

Grouped greasing points make regular maintenance easier and quicker and there's ground level access to hour meter, HVAC filter, cab air filter and single fuse box - and it comes with bolt-on handrails and mirrors for easy replacement if damaged, as well as service bay and access lighting.

Only 10 checks are required for a 500-hour service. High grade engine oil only needs to be changed after 500 hours, while the main hydraulic filter service interval has been extended to 2000 hours from 1000 hours and new fuel filter service intervals are 1000 hours.



CLOSE BROTHERS APPOINTS NEW REGIONAL SALES DIRECTOR IN NORTHERN IRELAND

Close Brothers Commercial Finance, a recognised business lender in Ireland, has appointed Emma Blair as Regional Sales Director for Northern Ireland.

The new appointment comes as Close Brothers focuses on raising awareness of asset finance as a flexible and sustainable form of funding for SMEs in Ireland.

As a FTSE250 company, with offices across the UK and Ireland, the modern merchant banking group currently work with more than 45,000 small business clients and are keen to support more.

Emma brings 20 years of experience in the finance sector to the regional sales role, and most recently held the position of Broker Relationship Manager at Close Brothers. In her new role, she will support a team of sales managers and directors, and take responsibility for the provision of asset finance, including refinance and leasing, across the region.

Commenting on her new role, Emma Blair said: "I am delighted to be appointed as Regional Sales Director. Our sales people are already skilled and experienced, so I am confident that we will deliver results for SMEs in Northern Ireland.

"Close Brothers are specialists in the asset finance industry and our model allows us to excel – it's not just the assets with four wheels and an engine that we will finance. We look at bespoke assets and we don't shy away from unusual deals.

"I enjoy finding solutions and structuring deals to suit the needs of our customers and look forward to working with my team to support the SMEs in the area."

Adrian Madden, Head of Sales Ireland, added: "At Close Brothers, we have a people-based approach that enables us to deliver funding solutions and excellent service for our clients.

"Since joining the business in 2012, Emma has established strong relationships with both introducers and clients. Her extensive knowledge and commitment to helping businesses across Ireland thrive have enabled her to accomplish superb results.



*Emma Blair,
Regional Sales
Director for
Northern Ireland.*

"There is no doubt Emma will continue to succeed in her new role. We are delighted to support her progression with us."

To find out more about Close Brothers' tailored finance solutions, speak to one of their local funding experts today. Call 028 9099 7628 or visit the website: <https://www.closecommercialfinance.ie/>

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.



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RAPID GROWTH CONTINUES AT COLE GROUNDWORKS CONTRACTS

Cole Groundworks Contracts has recently appointed a senior management team to further drive growth in its business which now extends across Ireland, the UK and into Europe, delivering services to some of the biggest named construction companies in the world.

The company's impressive expansion had its beginnings back in 2005 when it consisted of a small team of professionals providing services to local domestic and commercial building contractors.

Initially operating as a sole trader, Conor Cole grew the business steadily and established a limited company in 2007. Since then it has gone from strength to strength and today it employs a large workforce on a variety of projects at home and abroad.

The recently appointed senior management team includes PJ Fagan - Head of Contracts; Johnny Connolly - Head of Engineering; and Paul Cole - Head of Health and Safety.

This move follows on from the opening of a state-of-the-art office block based in Co Down in the past year

and the establishment of an office base in London and in Dublin.

Further appointments to the team are also being made, including new site managers, site workers and administrative personnel. In addition, there are plans to extend the company's range of services; it is already winning contracts in the building and renovations sectors.

As the company grows so does its fleet of plant and machinery. Currently that fleet includes excavators, dumpers, telehandlers, rollers, rock hammers, multiple attachments, trucks and vans.

So, what does Conor put his company's rapidly growing success down to? "Being positive, being focused and having an exceptional and highly experienced team around me," says Conor who has ambitions to expand the business to include not only groundworks but separate divisions covering Civil Engineering and Construction. "We are only getting started," he says!



Major Projects

In the past year, Cole Groundworks Contracts has embarked on a series of projects, some have been completed, others are ongoing, involving a variety of schemes across the UK, including hotels, school extensions and wastewater treatment works, for which the company has been responsible for groundworks, excavations, drainage and other aspects.

The company has just begun work on behalf of main contractors who are delivering a new eye-catching 19 modern office development at the heart of the City of Wolverhampton Interchange; it will provide 50,000 sq ft of stunning Grade A office space when completed in 2020.

Cole Groundworks Contracts is also involved in a school extension in London where another main contractor is redeveloping Charlton Park Academy, replacing existing temporary mobile classrooms and a single storey building with a two storey brick



building which will better meet the needs of students who have special educational needs. Earlier in the year, another prestigious contract was undertaken in the south of France where a new amphitheatre is being built on a 600-acre estate a few miles north of Aix-en-Provence. The estate is already home to an extensive vineyard and state-of-the-art winery, an hotel, café and bookshop, as well as an inspiring collection of contemporary art and sculpture from some of the world's most sought after architects and artists.

The Cole Groundwork Contracts team completed the groundworks, including excavation and pouring of the foundations, steel fixing, tying and placing of ring beams and kicker walls in preparation for the steel frame to be erected. Initially a 20-week project, it was finished nine weeks ahead of schedule, despite the many challenges.

Closer to home, the company is also involved in a major project to build a £9.5 million liquid carbon dioxide hub in Warrenpoint. Japanese company Nippon Gases is to establish a CO₂ import and distribution terminal there to

store liquid CO₂ for the food and drinks industry across Ireland. It is expected to be operational by June next year.

Other projects have included involvement in the award winning Riverhouse in Belfast's Cathedral Quarter; it was named RICS Commercial Project of the Year 2019. Not surprisingly, the company's rapid rise to become a major player in the industry has brought with it many awards. Not only has

Conor has been honoured as High Achiever as we mentioned earlier, the company has also moved into the renovation sector, with projects at apartments in Carrickmacross and Omagh, and another building in Derry.

Cole Groundworks Contracts was also involved in the award winning Riverhouse in Belfast's Cathedral Quarter; it was named RICS Commercial Project of the Year 2019.

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of the Year (Plant and Civil Engineering Awards), he was also named as Entrepreneur of the Year in his home town, in addition to picking up Civil Engineering Company of the Year (Plant and Civil Engineering Awards), and Ulster Tatler's Business Man of the Year, among other accolades along the way.

CASE CONSTRUCTION EQUIPMENT SELLS ITS FIRST STAGE V MACHINE INTO IRELAND

McCormack Demolition has recently taken delivery of the first Stage V CASE machine sold in Ireland. The CASE CX90D excavator has been supplied by CASE dealer Cowan Bros NI Ltd.

The CASE CX90D excavator will be used on demolition sites across Ireland and mainland UK. It was the versatility of the machine, along with the cleaner engine, that pulled McCormack Demolition to this particular model.

"The CASE CX90D will be used in all types of demolition projects, from large rural sites to inner-city locations," explains Eamon Deery, Contracts Manager at McCormack Demolition. "Its compact size means that it can work inside buildings to dismantle sections that the bigger equipment can't reach. Some sites, especially those in city centres, have extremely challenging access issues and we need machines that are able to manoeuvre in these tight spaces."

Andrew Mawhinney, Sales Representative, Cowan Bros, explains why the dealership was keen to work with Deery's team: "McCormack Demolition is a respected and well-established business in our local area. We have worked

with the team for a number of years, providing servicing and engine refurbishment on some of their older CASE machines.

"We knew that the CX90D would be the perfect fit with their existing fleet and we adapted the machine specifically for McCormack's needs, fitting extra demolition guards and rotation circuits to make it fit for purpose in these tricky demolition tasks."

"Our operators are really pleased with the machine already," stresses Deery. "Having purchased larger CASE excavators some years back, we were already aware of the high quality of CASE equipment but the new CX90D takes this to another level. In particular, we are impressed with the ease of operation and the comfort inside the cab."

"The Stage V engine future-proofs our fleet for inner-city projects where air emission legislation is getting tougher. We need to use heavy equipment to get the job done but now we can do that while creating as little environmental impact as possible."

"The Yanmar Stage V engine meets the new requirements, but we wanted to deliver more than compliance," says Alain de Nanteuil, Product Director, General Construction, CASE

Construction Equipment Europe. "This engine delivers 20% more power than the previous model but actually uses 4.5% less diesel.

Particulate matter has been reduced by 40% with the introduction of the diesel particulate filter (DPF), but we have been careful that the changes have no impact on the operator. The filter is self-cleaning and will have no impact on the operator's working day.

"Another huge benefit for the operator is the best-in-class noise levels of only 69dB inside the cab. "We have maintained the low noise levels with this new engine but we've also made the engine more pleasing to the ear thanks to the different sound frequencies generated by the engine. We have also added a large, latest generation, multifunction monitor which gives operators more control than ever, helping them to get the job done more efficiently."

"We've always considered operator comfort as one of the key features of our heavy line range, and this is something that we will continue to focus on as we introduce further Stage V models to the fleet."





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RAPID INTERNATIONAL HOSTS CHARITY GALA DINNER TO CELEBRATE 50 YEARS OF MIXING TECHNOLOGY EXPERTISE

In celebration of 50 years in business, Rapid recently hosted a gala dinner fundraiser at Craigavon Civic Centre; the proceeds raised on the evening will benefit both Marie Curie Cancer Care and Macmillan Cancer Support.

The evening was an opportunity to celebrate Rapid's achievements over the last 50 years and to sincerely thank all staff, suppliers and customers, past and present, for their contributions.

The black & gold themed gala was attended by 175 guests of Rapid, including staff, friends, family, customers and suppliers. Guests were treated to a drinks reception accompanied by live harpist, followed by a five-course gala dinner. Diners were entertained with a superbly talented singing waitress and live music by The Moonlights.

The evening was concluded with a speech, video presentation and raffle delivered by John Pickering, Operations Executive and son of Rapid's co-founder Bertie Pickering.

The final total is to be confirmed, as donations are still being received, but it currently stands at just short of £10,000.

Rapid Managing Director, Mark Lappin, was delighted with the evening's success, commenting: "It was important to celebrate this monumental milestone and show our



gratitude to those individuals and companies who have supported us on our journey so far.

We are thrilled to have raised almost £10,000 to date for two very worthy charities, close to all our hearts. This is an amazing achievement and demonstrates the generosity of our

loyal staff, suppliers and customers. We wish to thank all those who attended, donated and sent their kind wishes."

Certainly, judging by our photographs, a really, really good time was had by all!





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.

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in profile

BOBCAT COMPACT TRACKED LOADER GETS TOP GRADE AT P&M EXCAVATIONS

When Carrickmore based P&M Excavations added a Bobcat T870 compact tracked loader to their fleet they probably didn't realise just how an exceptional investment it would turn out to be. As Plant & Civil Engineer's David Stokes reports, the capabilities, versatility and efficiency of the machine has been a revelation.

When we caught up with P&M Excavations' Martin Dobbs and asked him what he thought about the Bobcat, supplied by dealers Northern Excavators, he simply replied: "I don't know where to start in praising it. It has transformed how we go about our work."

P&M Excavations is a small, family based civil engineering and groundworks

company working for many of the major main contractors in the province. It has a reputation of being a preferred subcontractor and relies heavily on the expertise of its workforce – and the reliability and effectiveness of its plant and machinery, which is why it recently added the Bobcat T870 to its operating fleet.

"It's a very versatile machine. It can be fitted with scores of attachments -from graders, forks and buckets to grapples and rakes; it is amazing. You can replace attachments in anything up to a minute, it is that quick," says Martin. "It has proved to be a brilliant investment for us."



Precise Grading

Since acquiring the Bobcat – the largest in the manufacturer's current range - just a couple of months ago, the company has been utilising it primarily in grading work on the A6 Castledawson to Randalstown dual-carriageway project on behalf of Graham Farrans JV, and on site excavations and groundworks preparation at a new £3.2 m factory development for the KES Group in Strabane, as well as on a sub-contract civil works package, including playing fields, at Strabane Academy on behalf of Woodvale Construction.

For that, the Bobcat T870 was fitted with an automatic 3D universal total station-controlled Bobcat grader which achieves a consistent grade with ease and virtually turns the loader into a high-performance grading machine.

The unit works to a 3D model drawing, which is produced in-house by P&M Excavations' engineer and allows the machine to grade stone to precise levels; it can achieve high tolerances of 3 – 5mm. The beauty of the 3D grader with its 6-way



P&M Excavations management team Martin, Peadar & Pete Dobbs & Seamus McIlvar.

blade allows contours, cross slopes and cambers to be formed automatically, taking the guess work out of grading. Blacktop base courses can be laid directly on the graded stone surfaces without the need of a final pass with the tar spreader.

Its speed and accuracy has made a big impact. "Everyone who has seen it in action just cannot believe how good it is. Indeed, we are beginning to get more work because of how efficient and productive it is," says Martin. "Prior to acquiring the Bobcat we had been using more traditional grading methods, but now we can accomplish twice as much in half the time and with considerably less manpower -and it is also makes our work a lot safer on site."

Stress Free

While performance is vital, comfort is also a prime concern for busy operators and as Martin pointed out the Bobcat's premium air-conditioned cab provides a stress-free working environment with many standard features, among them an adjustable suspension seat.

No matter your height, it's easy to find a comfortable operating position with multiple adjustment points – and with the optional air ride seat, you'll experience maximum suspension comfort. It adjusts to your weight, helping you smooth out the bumps on your jobsite.

Automatic ride control reduces material spillage, allowing you to travel at faster speeds across rough terrain. Thanks to its dampening effect, the option also increases operator comfort by offering a smoother ride, so it's worth considering.

If you work on a busy jobsite, you know that noise can be a daily frustration. Bobcat loaders include many sound dampening features that keep your cab quieter, while the enclosed cab has a best-in-class pressurised interior space that minimises dust, keeping you clean and comfortable.

Automotive-style vents allow you to point your air where you need it for greater comfort in all weather conditions. Simply pull the window knob to slide the side window to five lockable positions. The

window stays exactly where you want it to get consistent air flow.

Although compact, the Bobcat features plenty of storage space for your bits and pieces; it even has convenient cup holders that can accommodate super-sized cups and coffee mugs.

Routine servicing and maintenance is also easy. Indeed, it is said that Bobcat compact track loaders provide the fastest, easiest maintenance in the industry. Engine checkpoints are within easy reach – so daily maintenance is never a chore.

Convenient access to routine and long-term maintenance points also make preventative maintenance simple, reducing operating costs, while the machine's large, swing-open tailgate provides easy access to routine maintenance points. There are no radiators to move, lift arms to raise or lift-arm support devices to install.

Dealer support is also important, and that provided by Northern Excavators, says Martin, cannot be faulted. "They have been more than helpful to us; we cannot praise them highly enough."

in focus

BLOCKBUSTERS ENVIRONMENTAL SERVICES



PROVIDING SUCCESSFUL SOLUTIONS TO CHALLENGING PROBLEMS

Coming up with successful solutions to challenging problems and situations is what civil engineering specialists Blockbusters are all about!

Offering a diverse range of services to both domestic and industrial customers across the UK and the island of Ireland, Blockbusters Environmental Services has invested significantly in advanced equipment such as Trenchless CIPP technology and modern CCTV drain survey equipment in order to consistently deliver a best in class service for its customers.

The company was established six years ago in Newry, County Down, by joint Managing Directors, Antoin Smyth and Bernard Murchan and since then, with offices in Dublin and Manchester, has gone from strength to strength with an ever-growing customer base.

"We are continually expanding our service offering and regularly adopt new technology such as non-disruptive, environmentally friendly trenchless technology and vacuum excavation," comments Antoin, who has been listed as one of Northern Ireland's Top 40 Under 40, featuring amongst some of the biggest names

across the country including companies such as Ulster Bank and Deloitte.

"Our dedication to providing simple, cost effective solutions, coupled with our cutting-edge technology means that we can offer an unparalleled service to all of our customers."

Positive Approach

Clearly, Blockbusters Environmental Services has worked tirelessly to become best in class at what it does. It has achieved this by investing heavily in its people and in new technology.

"It is only by doing so and in constant training and development and by applying a can-do attitude to all areas of our work that we have become the specialised contractor that we are today," adds Antoin. "We strive to provide cost effective solutions to technically challenging jobs that others tend to shy away from. Nothing gets in the way!"

Services

- CCTV Drainage & Chimney Surveys
- Tank Installations & De-commissioning
- CIPP Trenchless pipeline repairs
- Robotic Cutting
- Oil Spill Clean-up and Soil Bio-remediation
- Wet Well cleaning and Repairs
- Drainage installations
- Sheet Piling
- Vacuum Excavation
- Jet Vac Hire

Certified Accreditations

- ISO 9001 – Quality Management
- ISO 14001 – Environmental Management
- OHAS 18001 – Health & Safety Management



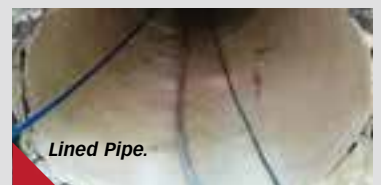
IRISH RAIL

A case in point is a recent project undertaken for Irish Rail who engaged the company to come up with a solution to issues surrounding stone culverts running under its railway lines, particularly those which were originally constructed during the famine period and have a huge heritage significance to both Irish Rail and the Republic of Ireland as a whole.

Understandably, due to the cultural and heritage value of these culverts Irish Rail did not want to replace the culverts and sought an alternative

NI WATER/ TRANSLINK

Blockbusters Environmental Services were also recently engaged by Graham Construction and Northern Ireland Water to carry out condition surveys of NI Water assets that travel under Translink's railway lines.





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Stone Culvert Under Railway Line.

solution to the problem, so the team at Blockbusters Environmental Services began a thorough investigation of the assets and produced an extensive report detailing every defect and outlining what needed to be done.

As an alternative to replacing the culverts, they proposed lining the pipe with a resin Impregnated UV Glass Liner that would not only take the same shape of the culvert but would also give it enhanced structural capacity to carry the live loads inflicted by the trains travelling overhead.

In order to install the liner Blockbusters Environmental Services had to fill in the voids left by sections falling out over the years, point up the joints between the stonework and put in a concrete floor to the culvert. The team was then able to drag in the liner and cure it in place using an Ultra-Violet lighting system.

Taking a week to complete with zero disruption to the railway lines and



Pre-Lining View of inside Culvert.

general public, Irish Rail now have a culvert structure in place that has a guaranteed life span of 75 years and still retains its cultural and heritage value.

Utilising a Killer Whale Jet Vac and a Rico Crawler inspection system the assets were cleaned and surveyed. Any lines that were in a state of disrepair or at risk of collapse were then quickly identified and remedies proposed as a defective pipe can potentially cause the collapse of the railway track.

The Blockbusters team focused on a section of the main Belfast to Dublin double track full speed line in the Dunmurry area, surveying a 900mm diameter storm line that discharged into a nearby river and discovered that it was badly damaged and at risk of collapse, so was in urgent need of repair.

"Excavating and repairing the pipe was not an option due to the fact that the pipe was four metres below the track and that would mean major disruption to rail services," says Antoin.



Pillow Packer Utilised to complete the works.

"Instead, we proposed a structural liner that would restore full structural stability to the pipe," explains Antoin. "However, due to the location of the pipe the only accessible part of it was the outfall of the line where it

discharged into the River Lagan. As there was only one accessible point, we had to alter our traditional lining techniques by creating a bespoke pulley system with a pillow packer that would allow greater manoeuvrability.

"We also had a lot of enabling works in order to safely execute the works. A working platform beside the outfall in the river had to be created to provide access as the embankment of the river was a steep 20m deep. This was done by means of scaffolding out a platform on the riverbed and then establishing an access tower up to the top of the embankment.

"We were then able to enhance the structure of 40m of the 900mm diameter storm pipe without affecting Translink services and with minimum disruption to the NI Water network."

INNOVATE NI & LEICA GEOSYSTEMS DIGITAL TRAINING DAYS

Innovate NI alongside Leica Geosystems recently staged a digital training event at the Dunsilly Hotel, Antrim to allow local companies to get up close and personal with the latest Leica Geosystems technology on offer.

Companies attending the event ranged from interior fit out and bespoke joinery to civil engineering, building contractors, land surveyors and providers of commercial energy solutions.

After a morning of swotting up on what the gadgets and tools could do, it was time to put them into action, with the weather just about kind enough to allow everyone to get outside to test the latest in scanning solutions.

The event, spread over two days, showcased products

including the suite of imaging laser scanning solutions the BLK3D, BLK360, RTC360.

The Leica RTC360 3D reality capture solution empowers users to document and capture their environments in 3D, improving efficiency and productivity in the field and in the office through fast, simple-to-use, accurate, and portable hardware and software.

The RTC360 3D laser scanner helps professionals to manage project complexities with accurate and reliable 3D representations and discover the possibilities of any site.

As well as laser scanners, there were Distos, robotic total stations, GPR (Ground Penetrating Radar) and market leading construction lasers all available to have a play with.

Also present at the event was Pentagon Solutions who are a leading supplier and consultancy for Autodesk & SolidWorks CAD and BlueCielo ECM technologies and who work alongside Innovate NI.

There, too, was financial solutions provider GRENKE showing companies how leasing equipment is often a better option than purchasing it.

Comments Martin Graham, Innovate NI: "The level of technology now available to the industry is incredible and at Innovate NI we aim to educate the customers on how integrating this technology into their everyday workflows can change their life. That is why we host events like this, to give a flavour of what the

solutions can do for businesses and hopefully wet appetites enough to want to know more."

He adds: "Following the success of our recent training days, we are planning to host more educational and training events in 2020, opening up solutions to new and existing industries."





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EXECUTIVE HIRE SHOW 2020 KICKS OFF TO A GREAT START

The tool, equipment and compact plant hire industry continues to go from strength to strength following reports from the organisers of the Executive Hire Show 2020 which is being staged on 5-6 February at the Ricoh Arena in Coventry.

During the annual exhibitor 'Kick-Off' meeting, at the Show's established home at the Ricoh Arena, which took place recently, the team reported that an impressive 142 exhibitors had already signed up for the 2020 Show and the event is already 87% sold.

The meeting was well attended, with exhibitors both old and new taking time out of their busy schedules, to attend the event. Team members from exhibiting companies including Thwaites, Altrad Belle, Hire Association Europe (HAE), HSC (Hire Supply

Company), Shindaiwa, Inspire Ltd, Bomag and many more made the journey to the Ricoh.

It was also the first time that many of the exhibitors in attendance had the opportunity to meet with the brand-new members of the Executive Hire Show team.

Chris Moore, the new Publishing and Events Director for the Show opened the proceedings highlighting the success of the previous Shows and how the 14th annual event is aiming even higher in terms of exhibitors and visitor attendance.

He added, "Make sure you are ready to do business and maximise the full benefit of the Show! Exhibitors and visitors travel from all over the UK to take part and visit

and we are on course to set new records once again by working together as team."

Chris Moore handed over to Hannah Webb who is the head of operations at the parent Hemming Group and also the new head of operations for the EHS. She is responsible for 'putting the Show together' and ensuring the entire event runs seamlessly providing the best possible experience for the Show's exhibitors and visiting hirers.

Hannah Webb introduced the appointed contractors for Show which included Showlite, who were instrumental in the Show's new look which was debuted at the 2019 event.

Also represented were Circcdata, who are responsible for visitor registration and data capture. Hannah Webb also



**MAKE SURE YOU ARE READY TO
DO BUSINESS AND MAXIMISE
THE FULL BENEFIT OF THE SHOW!
EXHIBITORS AND VISITORS
TRAVEL FROM ALL OVER THE UK**

Chris Moore, the new Publishing and Events Director for the Show opened the proceedings.



A packed room at the annual 'Kick Off' meeting

explained to the exhibitors the new look 'back office' of the website, social media assets and the all new exhibitor manual.

The EHS National Visitor Campaign is the 'centrepiece' of the Executive Hire Show's efforts to attract hirers to the event. This year will be no exception and once again the Show will be working in partnership with The Hire Supply Company to utilise the expert services of Steve McKenzie and his team, who visited over 800 hire depots throughout the UK and Ireland for the 2019 event.

Road Trip

The 2020 campaign has already started, and Chris Moore will be joining the mega 'Road Trip' alongside Steve McKenzie's team. Steve reported, "Our team plan to mobilise hirers to attend the 14th annual Show – we are passionate about this event and want to deliver good quality visitors. We go that extra mile and between us we have 152-years' experience in this industry and have made some very good contacts over the years."

He added, "We are planning on 850 visits as part of the 2020 campaign – these visits also form the initial judging process for the 'Passionate Hirer Awards', which are presented at the Show during the party on the first evening."

Steve McKenzie concluded by encouraging all to get involved to make this Show a success. Visitors/exhibitors can follow the team's journey visiting hirers nationwide by visiting <http://www.executivehireshow.co.uk/visiting/show-diary/>

Innovation Trail

Next to address the audience was the Executive Hire Show's (also Executive Hire News Editor), Alan Guthrie who highlighted additional features of the event. He announced that back by popular demand is the Innovation Trail.

The 'Innovation Trail – Live!' is also making a return - where ten selected Innovation Trail products, which Judges consider to be

particularly outstanding, will be exhibited on a specially branded stage area in Hall 2.

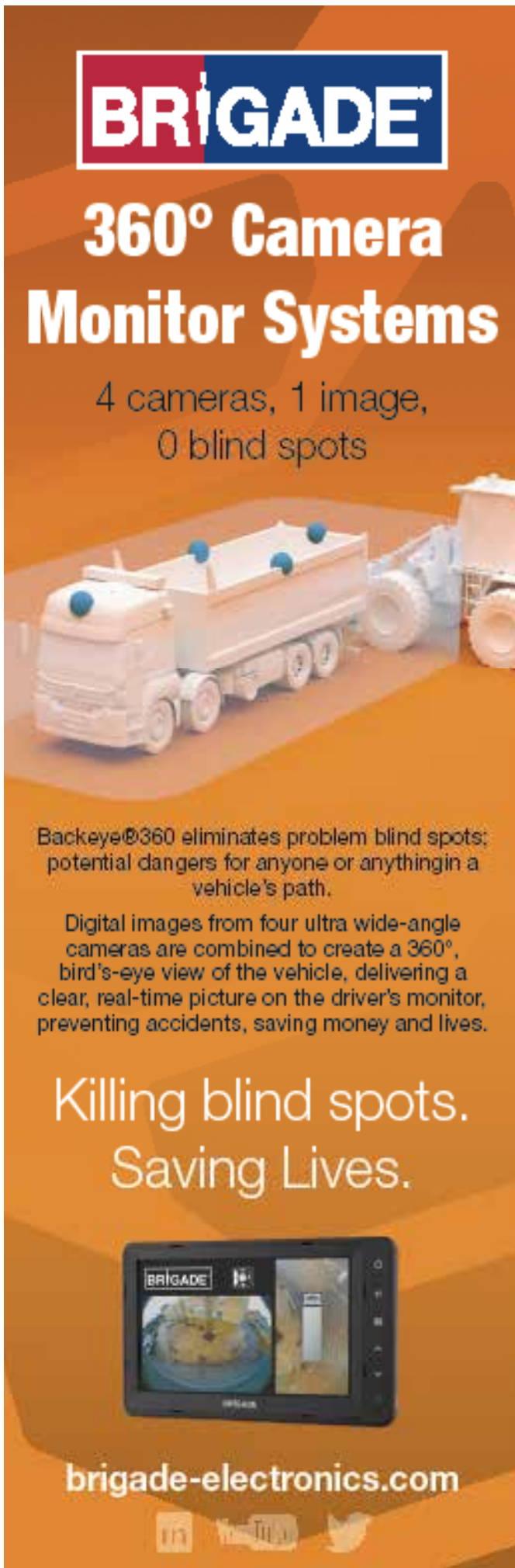
Alan Guthrie explained the concept, saying, "Each chosen 'Innovation Trail – Live!' supplier will be given a dedicated 10-minute slot to present and explain their product and talk the audience through its innovative qualities.

These individual sessions will take place during the two days of the Show. Paul Hutton, a radio, podcast and YouTube channel presenter, has once again agreed to host 'Innovation Trail – Live!' Paul will interview each company's representative live on the stage."

EHS Sales Manager Lee Westney was next up to highlight sponsorship opportunities surrounding the Show and brand-new Sales Executive, Tierney Elliott also addressed the audience with a witty talk on other opportunities to help maximise exhibitor's presence at the 2020 Show.

Visit www.executivehireshow.co.uk for more details on the show, the Road Shows and a full exhibitor list.





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Jodi Murnin and Josephine McShane from Re-Gen Waste, present Cancer Fund for Children's Fundraising Manager, Jane Hoare with a cheque for £5,000 to add to the £5,780 the company has raised this year for the charity.

Staff at Re-Gen Waste donate over £10k to Cancer Fund for Children

In their most recent charity drive, staff at Re-Gen Waste joined forces to raise £5,000 for Northern Ireland's leading children's cancer charity, Cancer Fund for Children, in addition to £5,780 raised earlier in the year.

Through a mixture of company donations, events and staff raffle days, employees dug deep to assist the charity whose Cancer Support Specialists help, guide and support families at home, in their community, and at their therapeutic short break and residential centre in Newcastle, Co. Down.

Jane Hoare, Cancer Fund for Children's Fundraising Manager thanked staff at Re-Gen Waste for their continued support: "We've had an incredibly busy summer, not only at Daisy Lodge, but in providing our individual support to young people on the hospital ward, in their homes,

and the local community. All of this is only possible thanks to the kindness and generosity of our supporters in Re-Gen."

Joseph Doherty, Managing Director of Re-Gen Waste said: "Everyone has been touched by cancer in some way, whether personally or through a family member or a friend, so we were honoured to make Cancer Fund for Children the worthy recipients of our charity drive.

"Our donations will hopefully go some way to give children and their families facing a cancer diagnosis and treatment, sanctuary, comfort and a chance to rebuild their family unit at home and while visiting at Daisy Lodge.

"As business owners we have a responsibility to the communities we operate in. It's important to show our support, give back and be involved."

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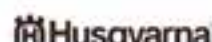
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EASYTRACK AND TOPCON GENERATE AWARD WINNING EFFICIENCY ACROSS IRELAND



EasyTrack has come a long way since it began working with Topcon in 2015. Starting off with relatively simple laser level products, the company which offers a dedicated tracking service for fleet, farm and plant vehicles has recently become the biggest independent Topcon dealer in Ireland. Due to the success of the partnership, EasyTrack was announced as the winner of the European Geo-positioning Dealer of the Year at Topcon Xperience 2019.

Mark Egan, Managing Director of EasyTrack, views the successful partnership they've established as one of a number of success stories for the business over the last few years.

Coupled with exceptional customer service, which Mark and his team provide through dedicated on and off-site support and product tuition, the addition of Topcon technology is why EasyTrack's construction customers will continue to benefit from a digitised future.

"We have used

Topcon technology for nearly four years and have recently become Topcon's biggest independent dealer in Ireland. When we first started acquiring Topcon equipment, we started with relatively simple laser level products such as the RL-H4C, RL-SV2S and the X14. Through training with Declan Byrne, Technical Sales Specialist at Topcon Ireland, we have become more

familiar with high level products, such as the LN-100, the DS Series, HiPer V and the Falcon 8 drone. This has been integral to our business model and is a key reason for us winning the award as we have been passing on this high level of knowledge and expertise to our customers, which enabled us to develop a strong and loyal customer base, and is extremely important to us as a business.

"Two years ago, we purchased the Topcon LN-100 because we realised how beneficial and valuable it could be to our customers."

Simple Controls

The LN-100 Layout Navigator is a one button self-levelling 3D positioning system which blends laser technologies and robotic total station technologies to create a precise 3D layout, and the latest way to perform construction and BIM layout.

Customers are able to simply control the LN-100 with either the full-capability MAGNET Field data collection software or on a free to download app called MAGNET Construct, similar to Magnet Field it also allows for setting out and AS built surveying.

"We invested in the LN-100 because the price was right, and we knew the software is simple and easy to use after our training with Declan, not only that but the product itself is easily upgradable. Most people bought this fully kitted, or like in the case of McGrath Plant & Agri Hire, who recently purchased the LN-100 Layout Navigator and HiPer SR GPS Receiver paired with the Rugged 7" Tablet FC-5000 from us.

"A big part of our service and offering is that the device comes with Magnet Field software which is so easy to use and straight forward. We hold intricate demos with our customers and have sold lots of units in Ireland as a result of this. A relatively inexperienced customer with no surveying background can use the customer support provided through ourselves and Topcon to do a complete surveying job without too much

ONE OF EASYTRACK'S BIGGEST CUSTOMERS, MCGRATH PLANT AND AGRI, HAS BEEN HIRING TOPCON EQUIPMENT THROUGH THE FIRM FOR FOUR YEARS. SINCE USING TOPCON TECHNOLOGY, ITS INCREASED EFFICIENCIES HAVE ENABLED THE COMPANY TO MAKE SAVINGS OF UP TO €450 A DAY.

experience. That's one of the reasons why the product has been so successful for us." EasyTrack's customer base stretches from agriculture customers looking for entry level GPS, to construction customers looking to increase accuracy on projects. Not only has Topcon technology helped to improve efficiency on projects, it has significantly improved cost and time savings.

"We advise and pair up customers with the best product for them. On the agricultural side my customers notice around a 10% savings in cost straight away, the more efficient technology means that productivity is increased, costs are saved on labour and customers are able to increase yield through more accurate results. The savings are not just limited to agriculture, in construction my customers have noticed huge savings and the level of accuracy required could not be achieved without the use of Topcon total stations. On road projects, Topcon

machine control eliminates the need for an engineer to check the work and the use of robotic total stations means that a two-man project can now be a one-man project"

More Efficient

One of EasyTrack's biggest customers, McGrath Plant and Agri, has been hiring Topcon equipment through the firm for four years. Since using Topcon technology, its increased efficiencies have enabled the company to make savings of up to €450 a day.

Colin McGrath, owner of McGrath Plant and Agri, explains why the partnership with EasyTrack has been so successful and how the LN-100 improved the workflow: "Last year I was using a scale ruler and a tape measure and getting people in to set out, I don't know how we coped without the LN-100, we're saving a lot of money with it, it's like having your laptop on site. You can create points, lines and drawings directly on site and with the in-built wi-fi on the controller you can

have stuff emailed to you in the field without the need to call back to the office, it's great.

"Two of my groundworkers are confident to work with it in the field, once the drawing is loaded on the controller, they can take it out of the office and mark out their own works. When you're setting it up, you just press one button and it self-levels. It's not like the old days, when you were twisting knobs and working with bubbles. And if it's knocked off level, it tells you.

"The system is also very clear and simple to use. You receive great support from Topcon and they offer you all the training you require. The guys at Topcon can also remotely connect to the system should the need arise, giving us peace of mind and quick support. If there are any problems, Mark will sort it out. He will answer the phone at 12 o'clock at night and sort you out. You have the full support of Topcon behind Mark too, so you have top-class service," adds Colin.



Top Award for Miller Marketing Team

Miller UK have been judged the North East's best 'In-House Marketing Team of the Year' at the inaugural North East Marketing Awards 2019.

Organised by Echo Events & Association Management and sponsored by Nigel Wright Recruitment, the event was organised to celebrate the very best of the region's marketing sector. The accolade follows suit after the marketing team successfully introduced a new era of marketing to Miller. Becoming a relatively new team of three, Barry Robison, Director of Marketing & Product Management, Cheryl Prior, PR &

Events and Meg Parkin, Design & Marketing have all fallen into place with their roles as they work together to reward and recognise valuable ideas to design, create and steer the business to a successful future.

Barry and Cheryl have more than 10 years' experience working in the industry and took on graduate Meg just over a year ago. Meg brought new and complimentary marketing skills to the existing team.

Over the past 18 months, the Miller shareholders have invested significant funds into marketing which has allowed the team

to produce an entire rebrand including a full office refurb and a new website.

The success and benefits of this can be seen throughout and the refreshing new look has helped the company connect with a new audience and has also opened the opportunity to reach out to new potential customers.

"We are truly honoured and extremely proud to be recognised as 'In-House Marketing Team of the Year. As a team we have worked relentlessly on the rebrand and as a result the benefit of this can be seen across the entire business," commented Barry.

Cementing a great working relationship

MBNI Truck & Van in Mallusk recently delivered 8 new Mercedes-Benz trucks to the Quinn Group based in Derrylin. The 6 new Actros tractor units and 2 8x4 Aroc tippers fitted with C-Tec bodies are the latest addition to the 150-strong Quinn fleet.

The vehicles were supplied in the Quinn company colours

'wearing' the Quinn Cement company signage. MBNI Truck & Van also provided full driver training to ensure the drivers were trained in all the latest features of these new Mercedes-Benz Trucks.

"We've been buying Mercedes-Benz trucks since 1988 and they've proved over the years to provide outstanding quality and solid reliability,"

said Transport Manager Brian McManus. "We know we'll get great value for money, and that we can depend not only on the vehicles themselves, but also on the Dealer's back-up.

"We have developed a strong relationship with MBNI Truck & Van, as well as the manufacturer, and it's because we've been so well served that Mercedes-Benz vehicles

now account for the greater part of our 150-strong fleet."

Sean Clarke, MBNI Truck Sales Manager commented: "We appreciate the investment that Quinns have made in these new vehicles with us as their local dealer. This cements the long-established relationship we have with the company."



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Metso launches a new Nordtrack mobile crushing and screening product range

Metso has expanded its mobile crushing and screening solutions offering for the aggregates industry with an extensive new product portfolio.

The new Metso Nordtrack range introduces 19 products designed to meet the requirements of general contractors in particular. The first deliveries are expected to take place during the first quarter of 2020. "Our target is to create a comprehensive end-to-end offering to serve diverse customer needs. Metso has traditionally been exceptionally strong in the most demanding aggregates applications, such as hard rock. Our new Metso Nordtrack range complements our offering to better address the needs of small and mid-sized companies and general contractors looking for the right combination of productivity, availability and dependability at an attractive price point," says Renaud Lapointe, SVP, Business and Product Management of Aggregates Equipment at Metso.

The Metso Nordtrack mobile product portfolio is designed to make the contracting business more productive. With standard designs for off-the-shelf availability, plug-and-play features and extensive Metso support network, the Metso Nordtrack solutions are ideal for a variety of applications, such as recycling, demolition, and the processing of sand and gravel.

The new range consists of altogether 19 mobile machines, including jaw crushers, impact crushers, screens and conveyors.

Bradley Demolition install the latest in on board dust suppression

Warrington based hydraulic attachment specialists ECV Haulmark Ltd recently carried out the installation of a new innovation in on board dust suppression for Bradley Demolition on their Hitachi Zaxis 350 LC high reach demolition excavator, as well as their Zaxis 490 and Zaxis 300.

The Dynaset HPW high-pressure dust suppression system is the most innovative dust control system for mobile machinery available on the market. It converts the power of a mobile machine into a high-pressure water mist, which can be used in demolition, crushing, recycling, quarrying and generally, wherever dust suppression is needed.

The HPW dust suppression system provides an atomised water mist, which prevents dust spreading into the environment. To achieve the maximum dust suppression performance spraying nozzles are installed onto the base machines attachment head or close to where the dust suppression is required. The mist flow can be controlled by the machine operator from inside the cab, who can select exactly how much mist is required by use of a switch/pedal and the levers.

The water to the machine can be supplied from an on board water tank, as Bradley Demolition have installed on all three machines, which allows the them to remain completely mobile at all times. Alternatively, water can be supplied to the machine via an on-site stand-alone water tank or supply.

The HPW DUST uses the power from the base machines hydraulic system and is typically installed to the base machines existing hydraulic lines. The HPW Dust system uses a Dynaset HPW high-pressure water pump, which converts the hydraulic power into high-pressure water. The water can be taken from a water tank or from a tap; the high-pressure water is pumped through lines along the machine up to the nozzles, which create the water mist.

The HPW Dust can also be installed with a double dust feature. The double dust feature reduces the water

consumption by providing basic dust suppression flow for continuous use and a high power flow when extra dust suppression power is required.

When watering the work site with traditional low-pressure systems like a garden hose the airflow over the large droplet prevents the dust particles from contacting the droplet. In this case, the dust particles can continue flying around them. High-pressure

water mists do not affect the airflow; the dust particles come into contact with the small water droplets and fall down due to the increase in mass.

Additional nozzles can also be fitted along any part of the boom or arm to combat additional dust created from falling concrete and debris hitting the ground.



By utilising the HPW dust system no other dust suppression equipment is required on-site. This means less emissions, lower water consumption and the HPW dust system will not wet the whole work site.

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Construction Boost As Belfast Harbour Reveals Ambitious Growth Plans

Belfast Harbour has announced its ambition to become the best regional port in the world and create an iconic waterfront for Belfast that will be an attractive place for people to live, work and visit as well as a hub for inward investment and tourism.

The 2019-2023 Strategic Plan together with an outlook through to 2035 were publicly launched at Belfast Harbour's Annual Stakeholder Meeting. The plan focuses on increased collaboration and partnerships with key city stakeholders to drive growth and regeneration in Belfast's waterfront area.

As part of the plan the Port has committed £254 million of investment to deliver new marine and estate infrastructure. Research from Ulster University's Economic Policy Centre has concluded that these investments will generate 7,000 new jobs and support a further 3,500 construction jobs generating £500 million gross value



added for the Northern Ireland economy and an additional £300 million in wages and £4 million in rates to the city each year.

The projects planned over the next five years will lay the foundation for even more substantial "once-in-a-generation" investments. Detailed in Belfast Harbour's

'2035 Outlook' these long-term proposals include schemes to deepen the Port's shipping channel to accommodate larger vessels, to create new deep-water quays, the completion of the 2million sq ft City Quays development and the creation of a new globally recognised science and technology hub at Catalyst Inc.

Contract Awarded for Next Phase of Liverpool2 Container Terminal Expansion

McLaughlin & Harvey has been awarded the contract to deliver the next phase of development at the Liverpool2 deep-water container terminal.

The multi-million project will significantly increase the footprint of the site and see the addition of ten cantilever rail mounted gantry cranes (CRMGs) and three ship-to-shore cranes (STS).

The STS cranes are scheduled to arrive in November 2019 with the

overall project expected to be completed during 2021. Detailed design and preparatory civil works have already commenced.

There will also be additional reefer points installed to allow the terminal to handle even greater quantities of refrigerated containers at the Port of Liverpool.

Opened in November 2016, Liverpool2 is a £400m investment that provides a state-of-the-art ocean gateway for international

trade to and from the UK. The deep-water facility is capable of accommodating the world's largest container vessels and connects road, rail and canal networks linking directly to the heart of the UK mainland, accessing a catchment of over 35 million people, almost 53% of the UK's population.

Mark Whitworth, CEO of Peel Ports said: "Since originally announcing our expansion plans we have gone on to secure

some of the world's major shipping lines as customers at the Port of Liverpool. That, and our growing customer base, is a vote of confidence in the North of England as a competitive route to international markets and Liverpool as a major port for global trade.

"We look forward to working with the team at McLaughlin & Harvey to deliver the next phase that will provide even more capacity to help meet growing demand."

JCB Finance - Construction: Enhanced Tax Relief - Don't Miss Out

JCB Finance are urging customers who have made taxable profits not to forget about the temporary increase in Annual Investment Allowance (AIA) tax relief that was announced in the 2018 Autumn Budget. The AIA was increased to £1 million per year until 1st January 2021 to help support British Businesses to invest and grow, by accelerating the relief that would normally be applied over several years.

Whilst it may seem as though January 2021 is still a long way off, depending on a business's financial year-end, the cut off for benefiting from the increase can be sooner rather than later. For example, if your financial year-end is March you will need to make the purchase(s) or enter into a Hire Purchase agreement before the 1st



April 2020, otherwise the allowance available would begin to reduce and progressively revert to the £200,000, in essence you could end up paying more tax than is necessary!

Most businesses can claim the AIA against qualifying assets like plant and machinery or commercial vehicles placed on Hire Purchase just as if you had paid

cash so you can preserve your working capital and still benefit from the relief.

Businesses are also encouraged to check out the lead times on orders of new plant and machinery because the relief is only available in the financial year that you make the purchase. Get the timing of your order wrong and could be costly!

JCB Finance's Finance Director Rob Heldreich says: "The temporary increase in the Annual Investment Allowance was a welcome boost for business when announced in 2018. Time is running out to take advantage of this incentive to invest in plant and equipment. I would urge business owners to speak to their accountants and advisors to ensure they get the timing of purchases right to ensure they maximise the available tax savings."

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Buying Pre-Owned Plant “Could Be Path to Self-Employed Career”

Buying pre-owned plant and equipment could be the path to a career as a self-employed sub-contractor, or the doorway to a new life as an independent operative or equipment hire specialist.

That’s the view of McHale Plant Sales general manager Denis McGrath, one of whose particular responsibilities within the company is to oversee a burgeoning used equipment sales programme.

With a portfolio of equipment under his management that includes Komatsu excavators, loaders, dozers and other construction machinery, Komatsu Forest timber harvesting equipment, Merlo telehandlers, Terex Ecotec shredders and other waste processing machinery, McGrath communicates with an international user base interested in acquiring machines that he can provide.

“Thanks to online marketing and door-to-door transportation and shipping services, we can access and supply machinery to customers the world over,” Denis said. “Depending on stock levels, we maintain an almost weekly schedule of mailings and bulletins supported by website viewings and instant email, telephone, Whats App and Skype communications.



“A benefit that used machinery customers have when dealing with a company like McHale Plant Sales is this: as a reputable distributor for world-leading manufacturers like Komatsu, Komatsu Forest, Metso stone crushers, Merlo and Terex, we have a reputation to protect.

“Therefore, in the used market, we cannot market sub-standard machinery – a fact of which buyers are well aware. Where a machine might be approaching or have passed its best, this will be made known to buyers,

many of whom are happy to deal on that understanding.”

As regards the start-up buyer, Denis notes that a certain number of customers looking to buy quality used machines are employee operators seeking to go-it-alone as an independent operative, supplying main contractors with an all-inclusive machine-with-operator arrangement.

“This is particularly so amongst those coming from small rural communities where the services of a local operative are often

needed,” Denis notes. “Frequently it may involve small building and site clearance work, utility, sewage and land draining, plus the multiplicity of everyday uses that arise in any rural community. “Those who might be considering ‘going-it-alone’ with an excavator or digger would be advised always to dip into the used machinery market where people like myself will be happy to impart information regarding the condition, features and benefits of machines that are available for sale, and to do what may be necessary to provide information on financing.”

As regards warranties, though, buyers dealing with a reputable distributor such as McHale Plant Sales can be assured of receiving proper advice and information concerning a machine’s past, the principle of ‘caveat emptor’ always applies, not least for the reason that no sales person will ever know the full story relating to a machine’s history.

“Where a machine was previously owned by someone we know pays attention to maintenance and suchlike, we would always hope to be able to give a buyer whatever assurances we can,” Denis said. “However, where we cannot, we would always be straightforward with buyers, mindful of the reputation we are bound to protect.”

HLM Architects continued growth extends into the Dublin market

Design and architecture company, HLM Architects, has strengthened its offering to its growing portfolio of clients as it extends into the Dublin market.

The Dublin base, located at Fitzwilliam Place, facilitates HLM Architects continued growth and success. The workspace located in central Dublin will enable HLM to access wider opportunities and develop activities across Ireland.

With studios across the UK and internationally, the award-winning firm responds creatively to the unique circumstances of each project. HLM’s studio in Belfast has undertaken several projects across Ireland for over 20 years.

The firm recently marked a milestone with the completion of the urgent care centre for Children’s Health Ireland (CHI) at Connolly Hospital in Blanchardstown,

with work progressing on Children’s Health Ireland at Tallaght University Hospital.

HLM’s 180 strong team has completed other projects across a range of sectors including education, healthcare, residential, hospitality and leisure, defence, workplace and culture.

Commenting on the Dublin base, HLM Director Nick Beecroft, said “Through this expansion we have reinforced our commitment and offering to our ambitious clients in the Ireland market. The new HLM base ensures we are better suited than ever to create memorable places across Ireland, always understanding the needs of the people who use them.

“We are continually developing our already strong network in Dublin and are really excited to explore the opportunities across all our sectors.”

The firm has won multiple national and international awards for its expertise across



HLM Director Nick Beecroft.

many disciplines, such as Architecture, Interior Design, Landscape Architecture, Environmental and Masterplanning.



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tiltrotator

TECHNOLOGY WITH A TILT AT **ENGCON** BIG DIG DAY

It's Saturday the 19th October and plant operators are piling out of their vehicles at Higher Oakley Farm outside Yeovil in Somerset, for the second day of Engcon's Big Dig Day event, as Peter Haddock reports for Plant & Civil Engineer.

This is an event that anyone can attend, but it has a completely different family and community feel. This is because local contractors and owner operators have brought their equipment to the site, fitted with a variety of Engcon tiltrotator attachments for others to use. The range of equipment included 12 different excavators from 1.5 tonne to 22 tonne, with brands like Yanmar, Sandy, Takeuchi, Kubota, Bobcat, JCB, Kobelco, Hyundai and Hitachi.

One such contractor was Kirk Hough, who had loaned his 20 tonne Hyundai Hx220 to the event. His machine had been setup to give operators a little more than just an opportunity to test out the machine and Engcon attachment. In fact, a bit of an interesting operator challenge faced those willing to get into the cab. This

was in the form of digging a complex pond using a combination of an Engcon EC226 attachment with EC Oil and an EPS sensor that allowed it to connect to a Leica 3D machine control solution.

As I found out when talking to Leica machine control specialist, Mike James, the pond design had been created by Leica engineers a couple of days before the event. "Working with our distributor One Point Survey Equipment who were supporting the event with their own stand, we surveyed the dig area and sent the data to Gary, one of our engineers. He then created a very challenging 3D model of a pond for the operators to try out.

"The key to the design was that it would be almost impossible to achieve using traditional stakes in the ground. This would therefore require the operator to follow the design using the in-cab Leica colour display tablet," said Mike.

To enable the 3D model and make the experience just like a normal site, One Point Survey Equipment manager, Lee Knowles setup a GPS enabled base station onsite, so that the progress

LOCAL CONTRACTORS AND OWNER OPERATORS HAVE BROUGHT THEIR EQUIPMENT TO THE SITE, FITTED WITH A VARIETY OF ENGCON TILTROTATOR ATTACHMENTS FOR OTHERS TO USE.

job could be mapped in real-time. This enabled the team to show visitors as built models with the data collected as the project progressed.

Having retrofitted the Leica solution to the machine for Kirk Hough, Lee explained how the business will also be using it as a trial after the event.

"The team at Kirk Hough had the Leica 3D machine control enabling package retrofitted to the machine. This allows them to plug in the main control panel and other key components to operate the unit with 3D machine control. This means they can now either buy the full kit themselves or hire it in from us when they get a job that needs it. After the event they will be trialling it on a road job, which requires the use of 3D machine control, so they will be able to see how the combination of the Engcon tiltrotator and Leica system can help them progress the project."

For experienced operator, but first time machine control user Darryl Simmons,





the pond challenge had proven too good to miss. Not only had he tested out the system on the first day for a couple of hours, he had come back early Saturday morning to finish off the section he started.

When he spoke to me about his work and why he was so keen to get more stick time using the Leica engcon combo he said, "I do a lot of Civils work and have been using Engcon tiltrotators to support this for some time, but I had never had the chance to use machine control with them. It took a bit of getting used to as there is the screen in the cab, but after about 10 minutes I was able to follow the model and start creating the pond. I think the combination of the two solutions is a real game changer.

"Not only can you do things that are much more complicated, you can take full advantage of the tiltrotator and attachment to minimise the need to move the machine. In fact, for digging the pond, I barely move the tracks at all. I would definitely recommend people trying out the combination."

As well as Leica, Engcon had brought another technology partner to the event, GKD Technologies with its Height and Slew restriction technology. The team had fitted the technology to a Sany SY26U excavator for operators to trial. Talking to Neil from GKD, he explained how the system works. "For the operator you have a graphical display in the cab and the system is designed to limit the dipper and the boom movements for the operator as well as slewing.

"The solution is very popular for road, rail and working in confined spaces. Practically the operator can record the height of the boom or dial it into the system to confirm the restrictions they want to work to. Similarly, the operator can move the machine left and right and record these positions as well. This gives the operator the confidence that they won't hit any obstacles and therefore can concentrate on looking at the bucket and doing the job."

As the day came to an end, I caught up with Engcon UK MD, Robert Hunt to understand more about why the Big Dig Days are so important. "As a business, we have focused on supporting owner operators and specialist contractors in this way for a long time, as they are typically the early adopters of new solutions and understand how to make them work commercially.

"At the event we have seen well over 250 people, even with some poor weather and the feedback has been great. So much so, that we are now looking to plan more days across the country with an event in Scotland in 2020 and dates for other events to be announced."

Mecalac celebrates 60th anniversary of the backhoe loader

Mecalac Construction Equipment UK is celebrating the 60th anniversary of its backhoe loader. Originally licenced under the Massey Fergusson Agriculture brand, the company's Coventry manufacturing facility has assembled thousands of models since the very first unit rolled off production in 1959.

60 years later, each backhoe is still renowned for its robust design and class-leading performance, but now features a whole host of innovative

technologies to maximise efficiency, safety and comfort for the operator.

For 2019, key updates have included the introduction of direct drive transmission (which passes the drive shaft through the centre of the torque converter to optimise output), Auto Ride Control (which automatically engages/disengages the ride control dependant on machine speed) and the option of powered sideshift on the TLB890 and TLB990.

To coincide with the introduction of Stage V emissions legislation, each model has transitioned to the Perkins Syncro engine platform. Alongside complying with both EU and US (EPA) regulations, this move offers numerous productivity benefits. For example, torque output of the 55kw TLB870 increases 9% (to 424Nm), while power output of the TLB890 and TLB990 increase by 10% (to 82kw).

Further updates to the portfolio include a new side console (480 x 270 LCD screen), which displays operating information, settings and error codes. A rotary selector provides access to all-new machine settings

including auto idle, quick attach timer, ISO/SAE selection, thumb slider sensitivity, auto ride control speed and auto idle torque setting.

To celebrate 60 years of success, a special offer campaign will be launched, a number of Mecalac backhoe models will feature a limited edition decal and attractive finance support packages will also be available.

Paul Macpherson, UK Sales and Marketing Director at Mecalac CEUK, comments: "Since developing our very first backhoe loader unit in 1959, we've been hugely proud to manufacture some of the market's most acclaimed machines.

"Renowned for excellent build quality and impressive performance – all at a highly affordable price point – our backhoes are the perfect addition to any job site. With 60 years manufacturing experience, we're confident that the latest range ticks every box for the owner and operator."

The Mecalac backhoe loader portfolio comprises three models – the TLB870, TLB890 and top-of-the-range TLB990. Rugged, versatile and highly productive, Mecalac backhoe loaders are available in both centre mount and sideshift configurations to suit customers across the globe.



First 50 Orders Delivered As Electric JCB Digger In Full Production

JCB has made manufacturing history by going into full production with the construction industry's first fully electric mini excavator – with more than 50 machines already delivered.

The 19C-1E models - JCB's first-ever electric diggers - are now coming off the assembly line at JCB Compact Products in Cheadle, Staffordshire, with orders rolling in from customers from across Europe and North America.

The machine is a staggering five times quieter than its diesel counterpart and can be fully charged in under two hours. The model is expected to be a big hit with companies working inside buildings and in emissions and noise-sensitive inner-city areas. Fully charged, the 19C-1E can put in a typical full day's shift for a mini excavator.



The 19C-1E will also offer customers great cost-of-ownership benefits, with research highlighting that over the first five years, charging costs will be 50 per cent cheaper for customers who would otherwise be using red diesel. Servicing costs are also expected to

be up to 70 per cent lower compared to the diesel model.

JCB Chief Innovation Officer Tim Burnhope said: "In urban environments in particular, contractors are understandably very keen to operate zero emissions equipment whenever possible, including outdoors.

I'm delighted that the model is now in full production after successful feedback from customers in many key markets during the evaluation stage."

JCB Compact Products' MD Robert Winter said: "This is a historic moment for JCB and for JCB Compact Products. We are delighted to go into full production with the industry's first fully electric mini excavator. The machine has a very promising future ahead of it."

Using leading automotive battery technology, the zero emissions and low noise 19C-1E delivers all of the performance of a conventional diesel-powered 1.9-tonne mini excavator. The machine comes with JCB's LiveLink telematics as standard.

The machine is perfect for working indoors or outdoors, in factories, tunnels or basements, for digging foundations, or on utility projects.

Galtec Invests in New Trimble Connected Technology From Sitech UK & Ireland

Civil engineering and groundworks contractor, Galtec Ltd, has upgraded its digital capabilities by investing over half a million pounds in more than twenty new pieces of Trimble technology from SITECH UK & Ireland, the exclusive dealer for Trimble technologies in the region, to increase the productivity and efficiency of its operations.

The deal for the new equipment includes a full range of Trimble technology solutions, including Trimble GNSS Rovers & Robotic Total Stations, 3D modelling & Take off software packages, along with the latest in 3D Trimble EarthWorks Machine Control systems.

Galtec, a small to medium contractor whose projects include laying the foundations for housing estates, roads and sewers, first began working with SITECH UK & Ireland 18 months ago.

After investigating the potential benefits of GPS technology, Galtec

initially invested in the newly released Trimble EarthWorks 3D machine control system along with a SPS855 Modular base station and SPS986 GNSS Rover.

Prior to this, Galtec did not utilise any GPS technology but the company's Managing Director Thomas Rayer was so impressed with the performance of the technology and the return on investment it provided, he decided to learn more about the potential benefits additional Trimble software and hardware could provide.

SITECH invited Galtec along to the 2018 Trimble Dimensions Conference in Las Vegas, which allows visitors to learn about the latest Trimble technology solutions, as well as providing the opportunity to collaborate and network with peers.

The Trimble range of solutions connects people, machines and projects to deliver real-time data, offering enhanced information about site conditions and asset utilisation, resulting

in improved productivity. What's more, Trimble's mix of hardware, software and mobility solutions streamlines communication and collaboration throughout the construction lifecycle – a proposition that Galtec found extremely desirable.

Tom Rayer said: "After investing in our first piece of site technology 18 months ago, we're really excited to see how a full technology package can benefit our business. We've fully committed to creating a connected site, with everything from software to machine control, allowing us to build a full picture of our operations and drive efficiency improvements that will demonstrate real value for both ourselves and our customers."

"One of the highlights of using Trimble technology was the opportunity that SITECH gave me to join them at Trimble Dimensions in Las Vegas. The event gave me a fantastic opportunity to learn about the latest Trimble solutions,

as well as giving me all the information I needed to ensure that I was making the correct decision for my business."

Carl Parsons, Regional Sales Manager for SITECH UK & Ireland, added: "When it comes to the future of construction, modern, integrated systems are required to leverage the vast amount of data generated by projects to achieve major improvements to efficiency. We're on a continuous quest to increase efficiency to drive the future of digital construction and transform the industry to maximise productivity and return on investment."

"That's why we offer digital solutions to optimise concept, design, scheduling and project management, and rugged, field-proven hardware to execute the project. Together, these solutions constitute an ecosystem that facilitates and optimises processes in all phases of a project, which Galtec found ideal for its operations."

KOBELCO

Next generation performance, efficiency and productivity.

The all-new Kobelco SK85MSR-7 and SK75SR-7 are set to lead the way in the mid-range category.

Performance  Design



Cycle times improved by **15%**



Engine rated power **53.7kW**

Kobelco have launched the all-new SK75SR-7. This machine offers superior performance, greater efficiency and productivity with increased power and speed over the previous model, and complies with the latest Stage V emissions regulations. In addition, it offers the most sophisticated operator compartment in its class. The SK75SR-7 is available with fixed monoboom and offset boom configurations.



Re-designed cabin with air suspension seat



Arm digging speed improved by 37%



Loaded boom lifting speed increased by 38%

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KOBELCO INCREASES EFFICIENCY AND PRODUCTIVITY AT MULHOLLAND SCRAP METALS

When Mulholland Scrap Metals wanted to increase both productivity and efficiency at the company's already busy waste management site at Ballymena in County Antrim they opted to invest in a Kobelco SK210D dismantler from McSharry TRACK – and they haven't looked back since, as Plant & Civil Engineer's David Stokes has been finding out.

Mulholland Scrap Metals was established over 25 years ago by director John Mulholland and today is regarded as one of the leading scrap metal dealers throughout the island of Ireland.

Employing a team of fully trained staff, the company collects and efficiently and safely disposes of a wide range of ferrous and non-ferrous metals, extracted from domestic appliances, farm machinery, corrugated steel, scrap cars and more.

As a registered and licensed ATF, it operates a range of specialist equipment, including a de-pollution bay for hazardous substance removal.

The latest addition to its machinery fleet is the Kobelco SK210D which has been designed and built specifically for car dismantling, although the company can also utilise it on other tasks around the yard.

The Kobelco comes with a car-dismantler nibbler, but John opted for a multi-dismantler nibbler, the difference being the clamp arms which open and close from the sides as opposed to an up and down movement, thus making it more versatile.

"It means we can not only employ it on dismantling cars, but also on other products such as aluminium trailers," says John whose team dismantle on average around 80 cars a week.

The multi-dismantler nibbler rotates 360 degree, enabling effective twisting and stripping motions via a proportionate control button on the left joystick. Movements are quick, controlled and precise.

The powerful shear/cutter blades at the back of the jar allow the operator to cut vehicle frames and chassis or downsize other materials. The interlocking

replaceable teeth are made to grip and hold material securely, yet nimble enough to grab and pick up a single wire.

A cab interference prevention system is provided as standard equipment to prevent the nibbler from contacting the cab during operation. Audible and visual warnings appear when the nibbler tool approaches the cab, but the machine stops it before any contact to the cab is made. The system calculates the boom angle, arm angle, idler link motion angle to come up with the position and direction of the front attachment to control its motion.

Machine operation feels natural and is simplified by making the clamp arms operate by foot pedals and the nibbler by the joystick mounted rocker switches. Levers, pedals and switches are easily operable without requiring excessive force to prevent fatigue during extended periods of use.

Comfortable Cab

Working in a busy environment such as a scrap yard, of course, means good all-round visibility is essential for the operator, and the Kobelco doesn't disappoint in that regard. The large roomy cab has a wide open view through the large front and side windows. Posts are small and minimised to further reduce blind spots and distractions.

Large step makes it easy for the operator to climb into and out of the cab, while a standard grid type cab ceiling guard protects the operator against objects falling on to the roof. In addition, the front and right side windows have a tear and penetration-resistance film that would hold glass fragments together in the event of an accidental impact.



All the various controls are positioned sensibly, with brilliant colours differentiating multiple graphics on the cab LCD. Graphics indicate fuel consumption, maintenance intervals and more.

The cab is also airtight, with inside and outside A/C filters, and it rides on suspension springs, further adding to the operator's comfort working environment.

Powered by an environmentally friendly Hino engine, the Kobelco features an ECO-mode which maximises the operating efficiency of the engine and other components to achieve much greater fuel efficiency. Just press a button to choose the operation mode best suited to the task at hand and the working conditions.

More Effective

"We've had the Kobelco for several months now," says John, "and it has certainly made our operation more effective, efficient and productive. It has, for example, enabled us to strip more material from scrap cars and trailers than we could have managed before, which is a big bonus."

He adds: "It is a major, long term investment for us, but I reckon that working the machine at its full capacity we could probably cover both our investment and the wages of an operator in around three years."

So, what about the aftersales support he gets from dealers McSharry TRACK? "We know McSharry TRACK are there if we ever need them, but to be honest, the machine hasn't given us any trouble since we bought it, so we have had no need to call on them!"

IT IS A MAJOR, LONG TERM INVESTMENT FOR US, BUT I RECKON THAT WORKING THE MACHINE AT ITS FULL CAPACITY WE COULD PROBABLY COVER BOTH OUR INVESTMENT AND THE WAGES OF AN OPERATOR IN AROUND THREE YEARS.



Forestry Moves Top of McHale Plant Sales Agenda

The Irish Government's Climate Action Plan 2030, coming hot on the heels of plans to turn the UK into a climate neutral economy by 2050, contains targets and recommendations that hold out great prospects for the forestry and the timber harvesting sector.

As news bulletins show, pressure for change has been building up on all sides – by protesters focusing awareness on the need for climate action and by increased public awareness of the importance of plant and animal life, including sea pollution, plastics use and the damaging impact that emissions are having on air quality generally. Patently, both plans are a response to that pressure.

Change is coming, and not just in a switch to electric-powered vehicles. In the scramble, forestry will have a major contribution to make. Knowing that trees absorb much of the substances that are causing environmental havoc, and mindful that Ireland has considerable land area on which trees could be planted



and prosper, it is inevitable that forestation will have a big part to play in our future.

For people engaged in the sector, the opportunities will be significant. For the owners of poor land of little use for farming purposes, forestry presents an alternative income source. For those seeking employment,

it would be surprising if an abundance of new career opportunities did not present – in forestry itself and in spin-off services and industries engaged in timber processing and end-use applications.

For machinery distributors, McHale Plant Sales – whose primary focus is the supply and

marketing of timber harvesting machinery – opportunity and growth ought to be the buzzwords of the future.

As distributors of Komatsu construction equipment in the form of excavators and ancillary lines, of Komatsu Forest timber harvesting and forwarding machinery, and of Terex Ecotec equipment, McHale Plant Sales is perfectly positioned to go with this growth and, to that end, is investing in employee training, field support, facilities management and structural alignment that will be required to handle this growth.

"In this, the company expects to be a pro-active and influential force on the machinery and equipment side, prepared to work closely with equipment manufacturers, fellow suppliers Coillte, Teagasc and others within the sector to ensure that Ireland is fit and ready to provide the support environmentalists and the public generally will expect us to give. In that respect, forestry is a subject that has moved to the top of our corporate agenda, as hopefully it would across our industry generally."

First Stage V 30 tonne Excavator from Doosan

Doosan has launched the company's first Stage V medium size crawler excavator – the new DX300LC-7 30 tonne model which builds on the very successful design of the previous Stage IV machine.

It introduces major enhancements in operator comfort, machine controllability, productivity, uptime and return on investment, with a strong focus on low fuel consumption, increased power, robustness and versatility.

Already excelling in spaciousness and ergonomics, the new cab in the DX300LC-7 model takes operator comfort and ease of operation to higher levels. As well as a new high quality seat, the enhanced cab offers more features as standard than other machines on the market, ensuring super controllability and high precision in all applications.

As standard, 360° cameras provide full visibility around the excavator and allow

the operator to see a top-down view of the area outside the machine. The camera array comprises a front camera, two side cameras and a rear camera. The camera display is separated from the gauge panel.

To meet Stage V engine emission regulations, the new DX300LC-7 excavator is powered by the latest generation Doosan DL08 diesel engine, providing 202 kW of power at 1800 RPM.

The DL08 engine offers a new solution to exceed Stage V regulations without exhaust gas recirculation (EGR), that boosts the quantity of air available during combustion, increasing the temperature of the process and greatly reducing the amount of particulates produced. This is combined with super-efficient DOC/DPF+SCR after-treatment technology to ensure minimal emissions.

Thanks to the new technology, maintenance of the diesel particulate filter (DPF) has been greatly reduced,



with no maintenance required until the machine has operated for 8000 hours.

It is factory-installed with Doosan's state-of-the-art DoosanConnect wireless fleet monitoring system, offering a web-based fleet management solution which is very useful for monitoring the performance and security of machines and promoting preventative maintenance.

It is available as a standard feature on all new Doosan excavators (from 14 tonne), all new Doosan wheel loaders and Doosan ADTs.

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 **MANITOU**
HANDLING YOUR WORLD

Benefits of MB Crusher units towards Green Demolition

Nothing gets thrown out! That's a lesson we have learned from our grandparents. Any scrap can be reused, changed or repurposed to become something different. To throw something out is a waste, to waste something means to lose money. In short, circular economy has always existed.

All the above concepts can be applied to demolition processes, moreover when we demolish to requalify, redevelop or rebuild. Nothing gets wasted. Material is selected, processed as necessary and then reused, directly on-site or somewhere else.

A company in Spain understands this well, having recently demolished its old shed, to then build another one in its place.

"Our demolition process was much more than breaking down the shed," they stated. "It was like destroying a building made with

Lego and then using the same bricks to build a new one. So, we did. What we demolished, we reused for the most part to redo the building. The bulk of the work was done by the MB Crusher's crusher bucket, with which we crushed the inert materials to reuse them as the basis for the new shed. The job was carried out with a single heavy machine, and with a single operator, at the same yard, quickly and with a minimum investment."

In France, a company managed to recycle almost all the demolition debris of an old house and reuse them to build the new one directly on the same spot, forgetting all the logistics and disposal problems.

In Turkey, one excavator and one operator recovered and recycled the road demolition material – a mixture of basalt and asphalt— directly on-site and at a very low cost. How? By

attaching a BF90.3 crusher bucket to his excavator, which collected the excavated material, then crushed it and made it available on site for immediate re-use.

Selective demolition, therefore, is the first step towards a circular economy in which construction will give value to waste. The quality of the result depends on the type of demolition process and the machinery used for the separation and processing of the debris.

The MB Crusher product range is designed and built around these needs. For example, if you need to have different sizes material, simply adjust the jaws of the crusher bucket or change the panels of the screening bucket directly on-site. If you need to handle material of different types and sizes, install the right accessory on the MB-G clamps.

Anyone who uses MB machinery can gain value

from the construction site waste, turning waste into quality material, converting the raw material into profit.

With the MB Crusher attachments, it is possible to maximise the recovery of the waste material, high quantity and high quality are concrete advantages: reduction of cost of transporting the waste material, reduction of the costs of transfer to landfills or treatment plants, elimination of material repurchase costs, profits obtained through the re-use or recycling of the material.

Moreover, if well managed, a sustainable demolition project has a significant impact on the state of abandonment of many urban and industrial areas. Where a dilapidated house or warehouse is demolished and replaced with a new one, there is added value, with benefits for the whole city and for the community that lives nearby.

The goal of recycling 70% of construction waste by 2020, established by the EU is possible when and where appropriate solutions are used correctly.

ECY Haulmark and Steelwrist sign strategic co-operation agreement

ECY Haulmark, a leading supplier of high-quality hydraulic attachments for excavators in the UK, has signed a co-operation agreement with Steelwrist for supply of fully automatic couplers and attachment interfaces.

ECY Haulmark are already experienced in the supply of quick coupler systems and from now will be offering the range of quick couplers and attachment adaptors from the Steelwrist SQ product line. The Steelwrist SQ system is suitable for all types of excavators working across demolition and construction sites.

"After a very careful evaluation of the market we visited the Steelwrist factory in the summer and have seen in their product many new innovations, features and benefits which we look forward to offering to our existing customer base of fully automatic quick coupler users," said Richard Yarwood, Director of ECY Haulmark. "I am thrilled to be working with such a prestigious company as Steelwrist, this now puts ECY Haulmark in a position to offer a safer, more robust and more efficient concept of fully automatic quick couplers at better value than previously."

Steelwrist quick couplers are well-known for safety features such as Front Pin Lock and their robust steel casted design. SQ systems are appreciated by the customers mainly for the increased safety and ability to change hydraulic powered work tool in seconds without the operator needing to leave the cab of the machine.

"ECY Haulmark are a well-known company throughout the UK demolition industry. Their focus on high-quality demolition attachments, fast support and service to the customers creates a platform for a successful co-operation between our two companies. There is a huge interest for our SQ product portfolio and with this agreement we will make sure that our customers in the UK demolition sector get the best possible support," says Stefan Stockhaus, CEO of Steelwrist.

The newly signed agreement offers ECY Haulmark the ability to supply SQ fully automatic interface for demolition tools and Steelwrist SQ quick couplers for the excavators. Steelwrist SQ system follows the global S-type industrial standard with the addition of fully automatic hydraulic couplers.





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MAN TGS is an easy choice for Kellys Point Hire and Building Supplies

Kellys Point Hire and Building Supplies of Warrenpoint near Newry in County Down has recently invested in two MAN Trucks and in doing so boosted both their fleet and their customer delivery service.

Founded by Leonard Kelly and his four brothers in 1967, some 53 years ago, the company was originally established as a building contractor. Today Kellys, still a family run business, operate a one-stop-shop for construction, consisting of both plant hire and building merchant operations.

Their new fleet additions, comprising of a new MAN TGS 26.360 6x2 rigid and a MAN TopUsed TGS 26.440 6x2 tractor, will deliver to builders' merchants, and building and construction sites in and around the local area.

Gary Kelly, Director Kellys Point Hire and Building Supplies, said: "We have a longstanding relationship with both our local MAN dealer, RK Truck Centre in Carryduff and MAN Truck & Bus UK; the service we've received



from them over the years is nothing but outstanding.

"We service and maintain our vehicles inhouse, however for parts and anything out of scope we use RK Trucks. The relationship is built on trust, value and reliability."

The rigid TGS 26.360 features MAN's compact M cab (day-cab) the optional manual 16-speed gearbox, a lifting rear tag axle, a strong steel flatbed body with an extendable load-bed and a 19-tonne Palfinger chassis mounted crane. The TopUsed TGS 6x2 tractor

features the popular LX cab (sleeper-cab) a mid-lift axle, the 16-speed manual gearbox and will be used to pull both low-loader and flat-bed trailers.

Gary Kelly continued: "We have a 2006 MAN LE 18.280 6x2 rigid which we've owned from new, it's still working today and we've been so impressed with this vehicle that we're treating it to a refurbishment. Because of this and the service we've received when we started looking for fleet replacements the new MAN TGS was at the top of our list. Our journey for our new vehicles, from initial conversation

to vehicle delivery, has been more of a partnering experience than a sales procedure.

"Delivering to building and construction sites can be tricky at times so having a 6x2 26 tonne rigid with a shorter wheelbase and a lifting tag axle can be a huge benefit. We were also pleased to be able to specify the new 26 tonner with a manual gearbox too, a big plus when delivering on site and off-road."

Kellys Point Hire holds an impressive portfolio of hire equipment for the building, construction, landscaping and home improvement sectors, while Kellys Building Supplies caters for the DIY home improver, the self-builder and larger building contractors.

In July 2019 Kellys supported the BBC's "DIY SOS: The Big Build" helping a struggling family in Bangor. Donating resources to the project, including excavators, heaters, dehumidifiers and a range of hire equipment Kellys reached out and helped transform the family home.

Personal and Professional Safety Engages Delegates at Hire 2019 Conference

Hire 2019 has been hailed a resounding success after HAE EHA's annual conference brought together industry stakeholders and influencers for the best yet programme of speaker presentations and exhibitor stands and demonstrations - all themed around collaborate, innovate and inspire.

The overriding themes of safety and career development were outlined in the opening addresses by HAE EHA Chair Brian Sherlock and Commercial Manager Paul Gaze alongside Scott Ball of HireTrain, and a full and fascinating programme followed.

First up was Dr Anne-Marie Imafidon MBE, a British computing, mathematics and language genius who in 2013 founded Stemettes, a social enterprise promoting women in Science Technology Engineering and Maths (STEM) careers. Her uplifting presentation focused on the challenges of enticing women into these traditionally male areas of employment, explaining how STEM roles are "incredibly creative" and all about problem solving.

Mark Noonan of CITB then followed with a complementary examination of how Pathways to Hire is expected to also encourage more new starters into what is being positioned as a dynamic and appealing career path; and Dr Léa Cléret of Leadership Trust continued with how to hang onto valued team members through a sustained programme of leadership and inclusive behaviours. Frank Elkins, COO of Travis Perkins, rounded off the morning with a thought-provoking presentation on measures being taken to tackle dumper and digger safety.

The afternoon was kicked off by Chris Lucas of HSE who explained the link between inadequate welfare facilities and construction worker ill health, and steps being taken to address the issues. Chief Economist of Barbour-ABI and AMA Research, Tom Hall, gave a fascinating insight into the state of the UK's economy as well as that of the construction sector; followed by Det Supt Neil Austin of West Mercia Police, who had the audience gripped with his overview of ATM theft and

the work of the National Intelligence Unit for Serious and Organised Acquisitive Crime.

Finally, with mental health taking centre stage in many nationwide forums at the moment, there was a timely and thought-provoking addition to the debates from Brian Parker of AFI Uplift and Paul Gaze of HAE EHA, on creating and updating mental health policies in the workplace and the ideal model for such policies.

HAE EHA Chief Executive Officer Graham Arundell commented: "This was without doubt the most varied and engaging line-up of speakers we have ever had at our annual conference, and it was also gratifying to see many of our members exhibiting alongside the highly informative presentations. HAE EHA is making great strides with several proactive partners to really support and grow the Hire sector, to develop new opportunities and evolve as necessary to continue making a crucial contribution to the UK economy. Hire 2019 underlined these objectives and could not have been more closely allied to the theme of collaboration, innovation and inspiration."

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BIM: ENABLING ENERGY MANAGEMENT AND CONTROL FOR THE CONSTRUCTION SECTOR

BIM is a key part of the digitalisation of the AEC industry and an enabling tool for a cleaner and more sustainable build environment.

Here, BIMcert Programme Manager Paul McCormack, Innovation Manager at Belfast Met, looks at the four segments within the Energy life cycle in construction: Potential, Embedded, Operational, and Sustainable Energy. These four segments together account for all of the energy used in the complete construction life cycle.

Potential Energy

Energy savings are planned and targeted during the design phase. It is about utilising BIM tools to possibly reduce the gap between predicted and actual building performance proactively. BIM can be used to model buildings and sequentially perform multiple analysis, enabling energy performance prediction that can be applied to compare design alternatives, allowing for an improved final decision

This involves:

- Using BIM as an enabler of effective collaboration between design disciplines. Reducing performance disparity from conception.
 - Utilising BIM tools for fast and accurate processing and comparison of a large number of design alternatives.
- BIM software, based on the 3D model data enriched model, allows for simulations as solar paths, solar gains, thermal behaviour, testing M&E systems. Those, allied to other digital technologies such as cloud computing, and AI and machine learning, are already and will increasingly allow testing and evaluating of several design options until we find the best solution.
- Visualisation of energy loads and performance as a specific advantage of BIM.
 - Selection of cost and energy for the most effective design alternative.
 - Multi-criteria optimisation in terms of energy, environment and economy.
 - Tracing the route for the future decades of a building's optimal service and operational life.



Paul McCormack, Innovation Manager, Belfast Met

Embedded Energy

Using the BIM 4D tools (time scheduling simulation) and 5D (quantification), these enhanced digital tools allow a more efficient project management in the construction phase, coordinating the works better, reducing construction time, avoiding clashes, planning of delivery of materials to site.

For example, in the case of existing building, digital survey allows you to measure key hotspots requiring energy efficient improvements.

BIM design can help simulate and predict how to improve these, and how to implement them during the construction phase. During and after construction this can be re-measured reusing the digital scanning techniques and comparing the BIM model data to verify and reduce the gap between predicted design performance and built performance.

Operational Energy

Energy savings achieved through the building operation stage are monitored and managed

continually with lessons learned fed back to design teams for future projects. The practicality of implementing BIM is evident as it assists performance management through effective data management in building operations by supporting the interlinking of data environments (BIM supported Energy Management System of Buildings).

Effective energy management reduces energy consumed while maintaining occupants' health, safety, and comfort conditions.

Sustainable Energy

Connected with the 3 phases above, BIM is a potential method to enable an easier way of achieving energy savings through the lifetime of the building.

Smart decisions made in the early design stage of construction, including the selection of materials with high recyclability and least carbon footprint when demolished are part of not only reducing the embedded energy content of a building (construction), but makes buildings more sustainable (re-use of materials).

There is a huge amount of building stock available already, BIM can be used to analyse and find effective and feasible ways to re-use those building without the need of new builds.

Simulation of energy performance using digital technology- BIM models and simulation - can further help justify via data facts, the use of renewable energy systems, convincing the most sceptical, and enable further its implementation.

Conclusion

As we move forward, there is a need for construction techniques, policy formulation and policy implementation to be integrated into a balanced and coherent system delivering sustainability across the entire construction supply chain.

In the EU, Energy Roadmap 2050 BIM is the most effective supportive technology for: sustainable energy, reducing carbon footprint and increasing the energy efficiency in the construction sector.

VAT REVERSE CHARGE DELAY: JCB FINANCE STRESSES THE TIME SHOULD BE USED TO PREPARE, NOT IGNORE

The Government has announced a delay to the introduction of the VAT Reverse Charge to UK construction until October 2020; it was originally to take place this October.

The one year extension will be a welcome relief to JCB Finance customers according to a recent survey of 2600 customers with active lending. Findings showed that 87% of respondents would be affected by the new regulations and that a surprising 40% of respondents had made no preparations whatsoever to amend their accounting systems, pricing models, contract content or cash flow predictions. The survey held ahead of the scheduled introduction highlighted the impact of the change and that work still needed to be done to inform businesses.

Other key findings included:

- 48% of survey respondents were not, until receiving contact from JCB Finance, aware of the impending change.
- 57% said their systems would not be ready for the change.

- And 42% indicated the likelihood of the change having a negative impact on cash flow.

JCB Finance's Finance Director Rob Heldreich states: "On introducing such a big change like this, one of the biggest challenges HMRC will face is to make sure that all businesses affected are well informed and equipped to deal with it. Many in construction, particularly smaller contractors, have simple accounting systems and do not regularly engage with accountants and tax advisors.

"Our research matched that of key trade bodies, showing that businesses are not prepared for such a large change - therefore this extension should be used to better inform businesses on how to prepare."

As well as gaining a greater understanding of what the VAT Reverse Charge is and whether an organisation is affected, it is also crucial that business owners understand the likely impact of the changes so they can make the necessary preparations. Some of the key issues include:

Cash Flow

Critically, as the JCB survey highlights, more than two in every five organisations could see detrimental effects on their

cash flow as they may no longer receive VAT on sales invoices and will therefore not have use of those funds prior to making their quarterly VAT payments over to HMRC. This effectively represents a loss of working capital equivalent to 20% of a firm's turnover for up to three months.

System Changes

Despite the fact that 40% of respondents had made no preparations whatsoever to amend their accounting systems, pricing models, contract content or cash flow predictions, each of these aspects will be affected.

For example, invoicing software will need to be able to show the required detail (such as itemising what VAT is applicable to and at what rate) but not actually charge it – while some invoices still may need to charge the VAT.

Not all accounting processes and software will have the flexibility to accommodate all scenarios and specific training may be required to guide individuals involved in the invoicing process through the new regulations.

Contracts

Where contracts are used, a business's VAT status and that of its customer may need to

be updated and considered on future contracts. From the moment the new regulations come into force they will apply immediately from that point forward – applying to any invoices with that tax date or thereafter - irrespective of when any existing contracts or agreed pricing agreements were entered into.

Rob Heldreich said: "The Chartered Institute of Taxation estimates that 150,000 businesses will be affected by the new VAT Reverse Charge regulations. JCB Finance are informing our customers and supporting them through this transition. At times like these, facilities like our HP Plus Hire Purchase agreement, which enables customers to take a payment holiday at short notice, really come into their own."

The survey was carried out by JCB Finance in August and was issued to construction related companies ranging from micro organisations to PLCs.

JCB Finance provides asset finance including Hire Purchase facilities for UK businesses but is not a tax or financial advisor – always seek advice from an accountant or tax advisor because every business's circumstances are different.





THE FUTURE OF CONSTRUCTION GETS SCRUTINISED AT UK CONSTRUCTION WEEK 2019



An eclectic, forward thinking crowd of 34,327 construction professionals attended the recent UK Construction Week event. There was a particular swell in visitors keen to learn about future technologies and how they could be applied to their businesses.

The future of construction and how it is driving change was a major focus at this year's event and it was clearly a driver to bring the crowds to the show at the NEC in Birmingham.

Kevin Reeves, director of IoT & digital twin at Costain, said: "Being my first time at UK Construction Week, I was blown away by the scale and diversity of the event, it was very impressive."

Mark Ireland, chief engineer of technology strategy at the Manufacturing Technology Centre commented: "It was a busy few days and there were a great mix of attendees, from new industry entrants to managing directors and chief executives. It was really engaging to meet with the next generation and to meet people who aren't already entrenched in traditional attitudes around construction."

Feedback from a new business perspective was also extremely positive. Brendan Hourican, national sales and marketing manager at CircofloPro said: "It was an incredible show. I came away with at least 60-70 excellent business leads. One project alone will pay for the cost of attending the show. It's been so successful, if I'd known I'd have gone for a larger stand and brought more of our team along."

Ade Feeney, divisional account manager at Tradepoint B&Q also commented on the levels

of interest from younger attendees, saying: "We've had some great conversations. It was a good show, very busy, and we spoke to a lot of young professionals who are the future of the industry. They were really engaged."

Among the 300 speakers and 150 hours of content, major highlights included the first industry appearance for the Construction Minister, Nadhim Zahawi MP, and keynote speeches and debates featuring Lord Digby Jones, architect George Clarke, modern methods of construction (MMC) advocate Mark Farmer and diversity champion Angela Dapper, principal at Grimshaw Architects.

Mental Health

Mental health in the industry was also a major focal point at the show, making UK Construction Week the largest event in the sector to address these issues. Sam Park, head of marketing at Aliaxis, said: "I was very impressed with the Every Mind Matters connection as I'm a mental health first aider at work. The focus on mental health at UK Construction Week was great. This is an audience which typically doesn't like to talk, and they should. There was a lot happening on the stands and the support which is available. Hats off to UK Construction Week, from a mental health first aider perspective this really helps get the message out."

UK Construction Week took innovation to a new level this year with its partnership with the Construction Innovation Hub (the Hub) and the new innovation zone. On a practical front there were a record number of product launches, showcases and demos providing something for all construction

professionals regardless of trade. This was also the inaugural year for the co-launch of the very successful Concrete Expo.

Now in its second year, the UK Construction Week Role Model of the year award went to Anjali Pindoria, project surveyor at Avi Contracts. She is a passionate advocate for diversity and inclusion within construction.

Sustainability was a major push for the event with all exhibitors being encouraged to sign up to a 'net zero' agreement to boost awareness of the UK's carbon-cutting goals and encouraged to follow tips to boost their own sustainability. The printed show guide was switched for an environmentally friendly app, and to help reduce single-use plastic, free water fountains were installed around the show and free reusable bottles given out.

Nathan Garnett, event director, said: "This year's UK Construction Week for me was brimming with positivity. In a time of political and economic uncertainty, the UK's largest showcase for the sector showed signs of transformation, as it adopts innovation at a faster pace than ever. The feeling all around was that we have a lot of work to do, come what may, so let's get on with doing it in the safest, fastest and most efficient way possible by harnessing the potential of new technologies."

Future Events

Looking to the future, UK Construction Week will be hosting a series of specialist summits in the New Year. To find out more visit summits.ukconstructionweek.com.

The dates for next year's UK Construction Week are 6-8 October 2020.

THREE'S COMPANY FOR TOP 100 DEMOLITION COMPANY DEM-MASTER

Dem-Master Demolition Ltd recently took delivery of a new QJ341 tracked jaw crusher from Sandvik Mobile Crushers and Screens. The Scottish company, based in Bathgate, recently named just outside the top 50 of the world's leading 100 demolition and recycling companies, will use the crusher alongside two other QJ341s on a variety of demolition and recycling projects throughout the UK.

Dem-Master, as well as its Sandvik crushers, own, operate and maintain an extensive range of modern and specialist demolition plant and transport. This has seen the company continuously looking for more innovative and modern ways of improving and developing its services, and is now considered to be the owners of the most advanced ultra-high reach machinery and equipment within the demolition industry. This, along with other things, makes Dem-Master fully equipped for the mechanical demolition of extensive heavy industrial sites, multi-storey residential blocks and schools, as well as complex city centre developments.

Along with crushing and recycling at its facility at its head office, Dem-Master also has the facility to crush on site. This means recycled aggregates are available for collection or delivery from more locations across Scotland.

Highlighting the importance of highly mobile and effective crushing on site, and its recycling facilities, Dem-Master recently took delivery of a brand new QJ341 tracked jaw crusher from Sandvik Mobile Crushers and Screens.

This highly productive, yet easily transportable piece of equipment has joined two other QJ341's, in this case, being immediately put to work demolishing the former Glasgow Police Headquarters in Glasgow city centre.

"We've been buying Extec / Sandvik tracked jaw crushers since the launch of the Megabite in 98 or 99," explains company managing director Richard McCulloch as to his choice of the Sandvik crusher. "It's tried and tested technology and ideal for demolition work. We know them inside out, they've got the 'gap' which is ideal for demolition, and as we know them so well we can support them in the field. Also Sandvik machines have high residual

values, and although not the cheapest we could have bought, certainly the best value."

The new QJ341, along with the two other crushers, has been acquired to process demolition materials from various projects. All three crushers are proving their worth dealing with in the region of a thousand tons per day of C&D waste each, which is then recycled.

"We've got all sorts of material coming in, and we are producing a 6F2 product for infill and resale. We are hoping at some stage to wash the material and get it secondary crushed through a cone or impactor at our recycling yard. The problem is, if you can call it a problem, is that all our Sandvik crushers are out on site, working flat out," says Richard.

It's not just the QJ341 that has impressed Richard however. "It was a pleasure dealing with John (Ingram, Sandvik's area sales manager). He is a direct straight sort of guy; the type of person I like dealing with." Richard however does not have that much experience of other parts of Sandvik fortunately, "As to Sandvik's support, I am not sure how good it is as I never need them! The crushers never seem to break down."





RITCHIE BROS. RAMPING UP AT NEW MALTBY SITE

BY PETER HADDOCK

Ritchie Bros. has held its final auction of the year at its new facility at the old Maltby Colliery near Rotherham. It was the first time the business will get back to doing its famous ramping of equipment on the site itself, which previously used to be home to hundreds of coal miners.

Over the coming months and years, the 26-hectare site will be transformed into a state-of-the-art live auction and equipment care facility. To see the full scale of the site and learn how it's already transforming the services Ritchie Bros. is able to offer buyers and sellers alike, Peter Haddock went to site to take a tour and meet with Ritchie Bros. Sales Director, Rupert Craven. Driving into the new site it's not apparent just how big its footprint is. What I first thought was the yard itself, I later discovered that in the plans, this space will actually become a very big customer carpark. It was only when I was taken up onto the huge spoil pile neighbouring the site, that I could understand how its planned transformation will take Ritchie Bros. and its customers to the next level, as Rupert explained.

"Ever since we first started

our auctions in the UK, in 1987 we had the vision to grow the business and acquire our own facility. Having outgrown our previous home in Donington Park, we actively started looking for our own premises a few years ago. In Maltby, we have found a site that will accommodate all of our plans, a partner in Hargreaves Land that shares our vision and a community that is equally as excited as we are to breathe a new life into what was the employment hub of the town.

"This transformation includes clearing the site, by knocking down the main colliery building, whilst renovating other structures to create a huge space, where we will be able to store equipment all year round. We also have plans to develop additional services for customers that are looking to invest in their equipment, to achieve higher potential values at the auction."

Like most people, before meeting Rupert, I made the assumption that Ritchie Bros. focused purely on unreserved auctions. But on visiting its rbauction.co.uk website before my visit, I discovered there was more to Ritchie Bros than meets the eye. So I was keen to find out more from Rupert about the other services it now offers.

Other Services

"We are well known for our live auctions, but what people don't realise is that we can help them release the value of their used equipment and assets in numerous ways, especially as we now have a site that can store them all year round.

"For example, one of the things that people really don't know about, is that we can actually come to their yard or any specific location to assess and purchase their equipment directly from them. This goes for single units or entire fleets, so we will simply make an offer, pick up the equipment and the customer can invoice us for immediate payment.

It's very similar to services like we buy any car. And just like people





using these services, we are finding more plant owners using this as an alternative to dealer trade-ins, or a simple and quick way to realise asset value with minimal hassle.

"We have also noticed that the main reason for the increase in customer enquiries for these types of valuations is being driven by the fact that trade-ins are now becoming more difficult. This is particularly the case for scenarios where dealers of one brand of equipment are increasingly reluctant to take another brand in part exchange. When we do purchase equipment like this, we simply put it into one of our live or online auctions, where it is joined by equipment from other UK sellers."

Talking to Rupert, what I didn't realise was that different equipment types are more popular in different parts of the world. For example, Ritchie Bros will often advise customers to ship products like those made by Liebherr to its auction at the Port of Moerdijk in the Netherlands.

"If customers have a specific item to sell, we will also look at the markets in Europe and the USA, in particular, to see where they could have the biggest profit potential. Again, it's a simple process, as we can work out all of the logistics, building this into an overall package."

Having only previously experienced an auction when I covered a Caterpillar specific event with IronPlanet, I was also keen to find out whether Ritchie Bros. will be bringing the brand back to the UK after its acquisition in May 2017.

"In the UK we are well known as Ritchie Bros. so what we have done is integrated the comprehensive 'Ironclad' inspection process developed by IronPlanet into an online Ritchie Bros. offering, which significantly differentiates us in the market, by increasing confidence for both buyers and sellers.

"Here our approach is slightly different. Firstly for online monthly auctions we work with customers to put a reserve on every unit in the auction. This gives individuals and businesses a guarantee that the equipment will not be sold for anything less. Of course, the success of a reserved auction lot is all about getting the reserve right, so the people in the market will bid for the unit. This is where our expertise in equipment valuation comes into play, to support customers, who now also have an additional selling choice with our online Marketplace E platform.

"This is a bit like an eBay platform for plant sales, where we actually offer the buyer the opportunity to bid for the unit or make an offer. Behind the scenes, this site is managed by the same team that manages the Ritchie Bros unreserved and online auctions. They work with both sellers and buyers to negotiate a sale."

Having already witnessed how the IronPlanet inspection process works, the

WE ALSO HAVE PLANS TO DEVELOP ADDITIONAL SERVICES FOR CUSTOMERS THAT ARE LOOKING TO INVEST IN THEIR EQUIPMENT, TO ACHIEVE HIGHER POTENTIAL VALUES AT THE AUCTION

clear difference for buyers and sellers is the level of detail that a qualified inspector goes through. Each piece of equipment is tested, and its operational state documented with engine and hydraulics covered. Videos are also produced with the full history of the machine available to download online. In addition, fluid samples are taken and analysed so that buyers can identify the inner health of the machine.

"Because we guarantee the inspection, buyers know that it is our responsibility to ensure the equipment they receive is in the exact working order detailed in our report. This gives them the confidence to purchase and the seller the confidence that we are representing them in the best possible way," says Rupert

With another successful auction complete, it is clear to me that the move to Maltby has ramped up the services Ritchie Bros. is able to offer in the UK, opening up a great deal more for both buyers and sellers.



IQ EXCELLENCE AWARDS WINNERS REVEALED AT STONECRUSHERS BALL

The annual Stonecrushers Ball in Belfast provided the perfect setting to celebrate the Northern Ireland winners of the IQ Excellence Awards.

Hosted by the IQ Northern Ireland branch, the awards ceremony took place at the Europa Hotel, Belfast with special guest Julian Smallshaw, Head of Education and Standards at the Institute of Quarrying (IQ), presenting the awards alongside the branch chairman, Roy Wallace MIQ.

The IQ Excellence Awards celebrate the success of exceptional individuals, teams and projects around the UK. Award categories are aligned to the quadrants of the IQ Skills Wheel and promotes the positive impact professionals make across the country.

Award categories included:

Standards & Professionalism

The Best Personal Development Project award recognises initiatives that are aimed at supporting the professional development of employees at company or site level.

Quinn Building Products won the award for its project 'Quinn Safety Hub'. The judges were particularly impressed with this project as it involved a number of people to really build engagement across the business. It has also been commended by Health & Safety Executive for Northern Ireland (HSENI), describing the system as "a fantastic management tool".

Knowledge & Innovation

The Most Effective Process Improvement award acknowledges a team, project or initiative of technical process improvement that has delivered improved operational performance.

CDE Global Ltd was crowned the winner for its SmartTech Pilot Study, with the judges applauding the collaboration amongst the different stakeholders. The



Roy Wallace, Nicola Nixon, John Moore, John Francis and Sam Eccles.

results were impressive and included quantifying the impact of main plant feeder blockages, optimisation of labour, and increased accuracy and responsiveness versus paper-based reporting.

Engagement, Influence & Impact

The Most Inspirational Leader award honours an individual who has made the strongest positive impact on the team they are part of. Kieran Hegarty, President at Terex Materials Processing Division, was revealed as the winner. Under his leadership, the business has become an innovative global leader. He is passionate about continuing professional development and has built global teams through positive engagement.

Personal Effectiveness

The Most Promising Future Leader award recognises a talented individual for building their all-round knowledge and skills.

Ryan Reid, Graduate Mechanical Engineer at Roadstone Ltd, received the accolade. The

judges commented on his great promise for a long and successful career in the industry, with university course leaders especially impressed with his organisational skills, exam performance and ability to communicate learned knowledge.

Stonecrushers Highlight

Julian Smallshaw says: "It was an honour to attend the Northern Ireland IQ Excellence Awards ceremony and personally congratulate the winners for their achievements. The Stonecrushers Ball is an industry highlight for many and was certainly the perfect setting to celebrate the successes and achievements of individuals, teams and businesses."

With IQ Excellence Awards presentations taking place in Scotland, Northern Ireland, Wales and England, each regional award winner automatically goes forward to the National Excellence Awards to compete for the overall title in each category at Hillhead 2020.



Terex Material Processing collecting the Most Inspirational Leader Award for Kieran Hegarty (President at Terex Materials Processing).



Quinn Building Products collecting the Best Personal Development Project Award for the 'Quinn Safety Hub' from Roy Wallace (Branch Chairman - IQQ).



CDE Global collecting the Most Effective Process Improvement Award from Roy Wallace.



Colin & Beverly Emerson.



Eddie & Dianne Weir.



Roy & Janice Wallace.



Roy Wallace, Stephen and Janet Robinson, David Johnston and Art McNally.



Valery & Robert Waddell with Mr & Mrs Davy Harkness.



Eileen Johnston, Helen Livingston & Fiona Taggart.



Sam Eccles.



Malcolm Morgan & Dr Susan Atkinson.



David Johnston, Julian Smallshaw, Rose Mulaney & Eileen Johnston.



Angie and John Moore with Mr & Mrs Craig Matthews.



SIR ROBERT MCALPINE CELEBRATES 150th ANNIVERSARY

The family-owned construction company, which has been designing, developing, building and preserving some of Britain's most iconic buildings since it was established in 1869, is celebrating the spirit of Sir Robert with a year of celebration and giving back.

The celebrations reached a dramatic climax in September with a series of events in London and Manchester showcasing the firm's past achievements and retracing the definitive role that the company has played in shaping the UK's built environment as well as setting out the future ambitions of the business.

The festivities brought together hundreds who have contributed to the company's success to date, including clients, partners, employees, pensioners and their families. In addition, students from schools, colleges and universities were invited to attend an industry day as Sir Robert McAlpine showcased the best of construction and sought to inspire future generations to consider careers in the industry.

Growing up in poverty in rural Scotland, young Robert had a childhood of struggles and hardship. He found solace at the coal mines where he got his first job at just 7. From an early age, a strong appetite to learn, a dedication to hard work, and an ambition to succeed and be the best at what he did characterised Robert. Guided by his strong values and entrepreneurial flair, he successfully built a robust and reputable business. Those values are still enduring

today and have helped shape the reputation for technical excellence and innovation that the family business is known for.

Robert McAlpine's first contract was the repair of a mine chimney in 1869. Since then the company has delivered landmark projects across the UK, including the Glenfinnan Viaduct in 1897, of Harry Potter fame, Wembley Stadium in 1922 and the Eden Project in 2000. More recent achievements include the successful delivery of the London 2012 Olympic Stadium and the new retractable roof on Wimbledon's No 1 Court. Current projects include the refurbishment of the Civic Centre in Newcastle, originally built by Sir Robert McAlpine 50 years ago, Victoria Square in Woking, the redevelopment of Broadgate in central London, and the renovation of the Elizabeth Tower. Some of Britain's most iconic projects shaping the UK's landscape have been delivered by Sir Robert McAlpine, an accolade the family and its people hold dear.

Sir Robert McAlpine has undertaken a number of projects to mark the anniversary in ways that will leave a positive and lasting legacy. Earlier this year, the 'My150' grassroots programme allowed employees to support projects that they felt passionate about. This campaign has seen grants awarded across the UK to local communities funding things such as pensioners' gyms, school play areas, women's cricket teams and local arts and culture festivals. Each award

was made in support of the company's values and the spirit of Sir Robert.

There have been initiatives to raise funds for Maggie's, a charity that provides invaluable free support to cancer patients and their families when they need it most. Sir Robert McAlpine has a long-standing and close partnership with the organisation. They have notably built several Maggie's care centres around the country and are part way through their goal of raising £1 million.

In June, the "Building for Tomorrow" campaign raised £12,000 for Maggie's after Sir Robert McAlpine employees undertook a 45-mile trek in the footsteps of Robert McAlpine's original 1889 expedition to examine the route of the proposed West Highlands railway. In August, several employees embarked on the "heart to home" cycle ride, a gruelling 477-mile journey over five days, connecting Hemel Hempstead to Glasgow, raising £8,000 along the way.

Paul Hamer, Chief Executive Officer, said: "We are immensely proud of our track record of achievements and grateful to all of those who have played their part in assisting Sir Robert McAlpine to realise 150 years in UK business. Beyond our commercial operations, we recognise the important role that we play in society and our responsibility to give back and make a positive impact on our communities and on future generations. As we look forward, we are absolutely committed to our ambition of being the best builder and the best place to work in the construction industry. Here's to the next 150!"

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Roy Wallace & John Moore.



Roy Wallace presenting Aughey Cup to Gordon Best.



Ray Hogg receiving prize for best gross score with Roy Wallace.



Bill Martin of Conveyortek receiving his prize.

recycling & waste management

County Antrim manufacturer goes for growth with Michelin Development

An Antrim-based manufacturer is expanding following a £40,000 cash injection from Michelin Development. In the last 12 months, Macpac Refuse Bodies has seen its order book increase by 50 per cent – and is on target to repeat the same double-digit growth over the next year.

Macpac builds and fits specialist units to waste and recycling vehicles operated by local authorities and private companies across the UK.

The units are designed to increase the efficiency of the waste collection process at the same time as maximising operator safety.

Growing demand for the bespoke units has seen the creation of eight jobs at the company since 2018 with the business developing a new, 15,000 sq ft manufacturing centre at its base in Springfarm Industrial Estate.

Macpac applied to Michelin Development to help fund the new workshop area, including the installation of an overhead crane to boost productivity.



The Macpac team, with Drew Stewart, Macpac director and Noel Mulholland of Michelin Development in the foreground.

Michelin Development offers subsidised, unsecured loans of up to £50,000 for projects that have the potential to create high-quality, sustainable jobs in the County Antrim area – but excluding Belfast. Applicants must be in the manufacturing or business to business service sectors.

David Hyde, Macpac's head of sales, said: "The refuse bodies are built to in-house designs

and fitted to trucks including brands such as Volvo, Mercedes, DAF, Iveco and Isuzu.

"We have engineered the bodies over the years to provide a number of benefits, developing a robust, safe unit, capable of carrying a high payload.

"Of particular significance is our ability to offer side loading designs, which are becoming a preferred option for refuse

collection on busy roads and dual carriageways because of operator safety reasons.

"The smaller size of Macpac units also means better fuel economy and access on smaller rural collection routes.

"Michelin Development has been key in helping us to achieve our growth plans, and the whole process of dealing with them has been an absolute pleasure."

Noel Mulholland, business development manager at Michelin Development, is keen to hear from other businesses in the area looking to gear up for the next stage of growth.

"Macpac Refuse Bodies is an example of a growing County Antrim business, gaining sales traction, creating jobs and underpinning the growth and sustainability of the regional economy. Our message to other businesses in a similar position is not to miss out.

"We are committed to the development of our local economy by providing support to small- and medium-sized businesses with a viable business plan to create sustainable jobs."

JCB updates Wastemaster wheeled loaders

JCB has updated its 457, 437 and 427 Wastemaster wheeled loading shovels to meet the upcoming EU Stage V emissions legislation.

The new Stage V Wastemasters feature Cummins diesel engines that deliver an increase in engine power and a reduction in emissions and fuel consumption.

The biggest of the Wastemaster wheeled loaders – the 457 – has had its power output boosted from 192kW (258hp) to 210kW (282hp), while the 437 now comes with 145kW (195hp), up from 136kW (183hp), and the 427's engine delivers 123kW (165hp).

But, when required – for instance, when lighter duties are being undertaken – the output of the engines can be reduced thanks to the machines' two power modes, which are activated by the operator from the cab.

In addition, the machines are now supplied as standard with a five-speed Powershift transmission, in place of the previous four-speed unit.

Because the loaders are able to operate both in low-power mode and with optimised efficiency through the use of better-spaced transmission ratios, fuel consumption is cut. The Stage V 457, for example, is up to 10 per cent more fuel efficient than the model it replaces.



To optimise on site safety, the machines' forward speed can be restricted if required, while other safety options include a roof-mounted forward-facing camera; proximity sensors that alert the operator to any obstructions to the rear of the loader; and seat belt beacons that flash when the operator seat belt is not engaged.

All Wastemaster wheeled loaders are offered with a choice of smooth non-traction or

semi-solid tyres to eliminate the problems caused when waste products such as plastic bottles or metal cans become embedded in a tyre's tread pattern.

Meanwhile extensive guarding has been fitted – such as underbelly protection for the transmission and driveline – to ensure that machine uptime is maximised even in the most hostile environments.

IW Drains steps up its cleaning operations with three more Mercedes-Benz vans

A year after it launched a new business venture with a pair of Mercedes-Benz vans, IW Drains returned to dealer MBNI Truck & Van for another three.

The Belfast-based operator has added two Sprinters vans to those it was already running, and has also commissioned a small Citan – all wear the distinctive livery of Dyno-Rod, which awarded IW Drains a licence in 2018 to cover Northern Ireland.

IW Drains in association with Irish Waste Services provides a comprehensive portfolio of waste management solutions, covering everything from hazardous materials to reduction, recycling, recovery and reuse, for customers working across a broad range of industry sectors. It also runs a fleet of heavy trucks from its base in the Carryduff area of the city.

"Having taken on the Dyno-Rod work we quickly realised we needed additional vehicles to provide cover," explained Transportation Manager Finbarr Gallagher. "We considered vans by various manufacturers but came down in favour of Mercedes-Benz because we felt it offered higher standards of build quality, comfort and safety.

"That decision has been fully vindicated. Our first two Sprinters have proved totally reliable and performed very well, so we had no hesitation about returning to MBNI Truck & Van when we needed more."

IW Drains' first two Sprinters carry high-pressure jetting equipment for drain cleaning, and are racked out to carry tools and spare parts. One of the new vans is similarly equipped, while the second carries remotely controlled camera and monitoring systems for surveying damaged pipelines. All work was carried out by Total Van Solutions, of Newtownabbey.



Launched last year, the latest Sprinter range offers class-leading levels of comfort, efficiency and safety, and is also a technological tour-de-force thanks to its 4G internet connectivity. IW Drains chose long, high-roofed L2 H2 316 CDI variants, with fuel-efficient 163 hp engines that drive the rear wheels – Sprinters are also available in front- and all-wheel drive configuration.

The company's small Citan, meanwhile, has been allocated to Operations Manager Paul McReynolds. The 109 CDI model combines a comfortable, car-like driving experience with a useful load space and exemplary economy – its 1.5-litre powerplant produces 109 hp and returns up to 65.7 mpg in the combined cycle.

The vans are now being used by engineers to carry out domestic and commercial drain-cleaning work across the whole of Northern Ireland. They are being maintained at MBNI Truck & Van's workshop in Newtownabbey under Mercedes-Benz ServiceCare plans.

"The Sprinter is ideally suited to this application," continued Finbarr Gallagher. "The body is the perfect size and the rear-

wheel drive set-up is our preferred option for vehicles which carry a lot of weight over the back axle. The cab interiors are great too, very smart and well-appointed. They have certainly been favourably received by the colleagues who use them."

Like all new Mercedes-Benz vans supplied through the manufacturer's official dealer network, IW Drains' Dyno-Rod vans are backed by three-year, unlimited mileage warranties. They also came with MobiloVan cover, which includes free, round-the-clock emergency assistance – making good on the manufacturer's commitment to "keep businesses moving", dedicated technicians fit only Mercedes-Benz GenuineParts, and fix the overwhelming majority of breakdowns at the roadside.

"The service from MBNI Truck & Van has been first-class," Finbarr added. "Sales executive Johnny Andrews has been very attentive ever since we made our first enquiry. The warranty and MobiloVan support are excellent too – we've not had to call on either, but it's nice to know the safety net is there."

Household recycling rates hit all-time high

Households here are recycling and composting more waste material than ever before, according to the latest statistics which reveal Northern Ireland has now exceeded its target of 50% recycling by 2020 - 18 months ahead of schedule.

"Householders are now recycling 50.6% of their waste – a huge achievement for all involved. Seventeen years ago when we started to collect the statistics it was at 10%," explained Owen Lyttle, Assistant Director of Environmental

Policy at the Department of Agricultural, Environment and Rural Affairs (DAERA).

"Achieving this result reflects a tremendous effort by all those involved in the waste management sector, local and central government, reprocessing sector, the voluntary sector and of course the public.

"Together we have surpassed our strategy target of recycling 50% of our household waste by the end of 2020, putting us in a good place now to focus our efforts on

addressing the bigger challenges of climate change," he added.

Speaking at "The Future for Plastic?" Conference at Titanic Belfast, organised by the Chartered Institute of Wastes Management (CIWM), Mr Lyttle said the figures bode well for other challenges ahead.

"Being able to meet this demanding target indicates that if everyone takes small steps to change their behaviour then we can make a significant difference, as a country, to protecting and improving the environment.



Owen Lyttle.

"Tackling climate change is about people. Our attitude and a willingness to change will be critical to meeting the challenge," he added.

recycling & waste management

Re-Gen Waste invests £5m in facility to produce fossil fuel alternative for industry

Re-Gen Waste has invested £5m in the development of its existing processing facility, to produce a high specification replacement for traditional fossil fuels, for use in cement kilns and power stations.

Located at Carnbane Industrial Estate in Newry, the plant expansion has generated 20 construction jobs in the build phase and will create a further 30 permanent positions when up to full production, upon completion in early November.

Re-Gen provides mixed dry recycling and municipal solid waste collection and processing services for public authorities and private companies across the island of Ireland and the UK. It also recovers energy from unrecyclable household waste, that is sent by many councils to landfills.

Prepared waste in the form of solid recovered fuel (SRF), is exported to Waste to Energy (WtE) plants in Europe, where it is incinerated to generate electricity for home heating.

The company already exports 80,000 tonnes of solid recovered fuel annually, but will manufacture higher calorific value pellets and baled material for the cement and steel industries, which will be shipped to Europe through local ports.

Joseph Doherty, Managing Director of Re-Gen Waste said: "This is an incredibly important area of our work, as our 'throw-away' society



is generating in excess of 27 million tonnes of mixed household waste per year, in the UK.

"All the materials that come into our lives will be one day discarded and there are ultimately two choices we can make; they can be treated as waste and end up in landfills or be treated as a resource and reprocessed to find a home in our economy."

Worldwide substitution of coal and oil, in the Cement Industry now averages 13%, in Europe that figure is 26% and 60% in Germany and Austria, respectively. There

is also significant growth potential in Africa, South America and East Asia.

Mr Doherty said; "We're helping local councils find a positive outcome to their landfill problem. We all generate waste and we all, especially recyclers, have to work out the right way of handling it, so that it does not end up in landfills or suffocating our rivers and oceans.

"Finding at least a second life for every type of waste material is what we are striving for."

Powerscreen Phoenix Rises From The Ashes

Powerscreen is bringing back the Phoenix range - one of its original machine ranges to its product portfolio.

The Phoenix range is a collection of trommel machines that are predominantly used in recycling applications such as C&D waste, wood chippings, top soil, compost and green waste.

Through the processes of screening and separation, material is extracted to create recycled useable products, resulting in increased profits for the customer while being better for the environment. The Phoenix range includes the Powerscreen Phoenix 1600 which comes in both tracked and wheeled versions, the mid-size Powerscreen Phoenix 2100 and the larger flagship Powerscreen Phoenix 3300.

The Powerscreen Phoenix 1600 tracked and wheeled

trommel screens have been innovatively designed to provide excellent fuel efficiency and low operating costs, whilst also reducing emissions and noise levels due to the machine running at a low engine RPM. With a 4.9m (16') x 1.54m (5') drum, unrivalled production throughput is guaranteed due to the screening area which is the largest in its class.

Powerscreen Phoenix 2100

The Powerscreen Phoenix 2100 trommel screen is designed to offer unrivalled production throughput and application flexibility. The robust design with optional features such as a heavy duty tipping grid or double deck vibrating grid make the Phoenix 2100 the most versatile trommel on the market today. The machine performs equally well in heavy C&D applications as it does in high volume compost

production. The 180° swivel fines conveyor, with a 5.7m (18' 6") discharge, means the machine can generate massive stockpiles. This swivel feature can be controlled via a radio remote while the machine is in operation, minimising downtime.

Powerscreen Phoenix 3300

The Powerscreen Phoenix 3300 trommel screen is also designed to offer unrivalled production throughput and application flexibility. Key features include having the largest screen area within the Phoenix range, a 180° swivel fines conveyor, with a 5.8m (19") discharge and a powerful four wheel drive system with high performance friction grip wheels which is used to turn the trommel drum giving operators the ability to run bi-directionally. Options include a heavy duty tipping grid or double deck vibrating grid. The Phoenix 3300 is highly

efficient in the separation and processing of wood chippings, top soil, compost, green waste and aggregates.

Speaking of the decision to bring back this iconic range to the Powerscreen portfolio, Neil Robinson, Product Manager said: "The global waste management market is becoming more and more prevalent as government initiatives are geared toward better environmental practices, so it is an ideal time to bring back the Phoenix range with its proven track record in recycling applications. We are excited about bringing the Phoenix range back from the ashes and having these lucrative machines part of our portfolio once again."

Powerscreen Pulse Intelligence is available on the Phoenix range of machines. Available anywhere at any time, on a PC, tablet or smartphone. The system provides comprehensive information on the GPS location, start and stop times, fuel consumption, tonnages, cone settings, wear ratings, operating hours, maintenance status, engine faults and much more.



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Derryhale Nurseries purchase New Yanmar VIO26 from Crumlin Plant Sales.



Dromad Hire add Yanmar VIO26 and Yanmar VIO17 FROM Crumlin Plant Sales.



KC Hire Newry add Yanmar VIO50 To the fleet from Crumlin Plant Sales.



Mackins Concrete and Building Supplies wasted no time putting their new MI30D forklift to work.



Tony Marley of Marley Hire takes Delivery of New Yanmar VIO17 from Crumlin Plant Sales.



SK45SRX-6 going to Source Civils, Co. Donegal from McSharry TRACK.



New Dieci Apollo 25.6R sold to Pascal Walsh in Edenderry Co. Offaly by Alan Milne Tractors Newry.



New Komatsu PC170LC-11 sold to David Quirke by McHale Plant Sales Ltd.



Brian McCartan from NLT was delighted to deliver this exceptional HX180LF with Powerhand VRS180 to Michael Quinn at Quinn Autoparts.



One of 2 new Komatsu PC55MR-5 excavators sold to MMD by McHale Plant Sales Ltd.



Paul and Brendan Temple, Temple Tool Hire, Co. Donegal with their SK30SR-6 from McSharry TRACK.



Michael Gribben from Cabra with his new Takeuchi TB210 collected from Alan Milne Tractors Newry.



Colin Reily and daughter take delivery of their New Yanmar SV60 From Crumlin Plant Sales.



McCarroll Plant Hire taking delivery of a new Niftylift HR12DE bi-energy boom lift from Glendun Plant.



CJ Hire take delivery of another Wacker Neuson TH412 from Glendun Plant.



8 Generac Lighting Towers to John Graham.



New Wacker Neuson RD 28.120 supplied to CL Hire, Mullingar, Co Westmeath.



Fintan McSharry shakes with Gerry Gormally, Co. Galway after collecting his new SK757SR at McSharry TRACK.



Mecalac MBR71 sold to Raymond Fair Landscapes by Sleanor Plant.



New Kinshofer 800 ltr Orange Peel Scrap Grab supplied to Molloy Metals in Wexford.

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2 Hammer Sb 100 breakers sold to Hireco, Naas, Co Kildare by SME Plant Sales.



Another New Yanmar SV26 supplied to All-Plant From Crumlin Plant Sales.



New Takeuchi TB153fr sold to Demesne Contracts in Seaford Co Down by Alan Milne Tractors Newry.



Bann Hire adding to their Manitou hire fleet with a brand new ATJ aerial work platform.



3 of the 5 new Komatsu Dozers purchased by Wills Bros from McHale Plant Sales Ltd, which include 4 Intelligent models.



New Yanmar VIO17 gets ready for delivery to PRO Hire from Crumlin Plant Sales.



SK140SRLC-5 going to Ronan Sheridan Plant Hire, Co. Dublin from McSharry TRACK.



New Cast Ssq 15 mini loader sold to Djouce tree services Co Wicklow by SME Plant Sales.



New Kinshofer 800 ltr Orange Peel Scrap Grab sold to Molloy Metals in Wexford by SME Plant Sales.



New Takeuchi TB2130 sold to M. Mulvanny in Belturbet Co Cavan by Alan Milne Tractors Newry.



New Komatsu PC360LC-11SLF - Super Long Front delivered to Harrington's by McHale Plant Sales Ltd.



New Messersi TC50d supplied to H2FLO from Crumlin Plant Sales.



SK350LC-10 going to the OPW, Trim, Co. Meath from McSharry TRACK.



Bann Hire add New Yanmar VIO80 To hire fleet from Crumlin Plant Sales.



Demoter Hammer S130 sold to W. Ashmore in Co. Kildare by Alan Milne Tractors Newry.



Another Manitou Industrial Diesel forklift for Bann Hire, delivered by Brian McCartan from NLT.



New Dieci Pegasus 40.25 delivered to Sequest Eng in Killybegs Co Donegal by Alan Milne Tractors Newry.



Dale Rothwell, Rothwell Engineering, Co. Carlow with his SK28SR-6 from McSharry TRACK.



APW Fire Protection take delivery of 2 new Skyjack SJ16 mast lifts from Glendun Plant..



Mecalac MBR71 sold to EJC Contracts by Sleator Plant.



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Hitachi ZX130LCN-6 - William McLaughlin Groundworks, Eglinton sold by TBF Construction Machinery.



D. Donaldson and D. Robertson collectin a new Takeuchi TB235 sold to Keatley Agri Services in Magherafelt by Alan Milne Tractors Newry.



New Trime X chain 110v plug in light tower supplied to Hydro International Navan, Co Meath.



NDG Cairnduff taking delivery of a new Sky-jack SJ51AJ boom from Glendun Plant.



A superb MT1840 Easy Telescopic Handler delivered to Washingbay Sheds by Brian McCartan from NLT.



New Komatsu PC490LC-11 sold to Cannons by McHale Plant Sales Ltd.



New Hammer Sb 100 breaker and Augurtorque Xs 2500 supplied to Ryan Forestry Co Limerick.



Elev8 Platform Hire taking delivery of a New Niftylift HR17N Hybrid boom lift from Glendun Plant.



Demoter S170 hammer sold to McGlynn Construction Dublin by Alan Milne Tractors Newry.



Richard Sloan from NLT enjoyed delivering this M125D to SJS Group.



New Hammer Sb 250 supplied to Carraig Construction Co Mayo.



Another 2 Skyjack SJ3219 join the hire fleet at Bann Hire.



A new Truxta B300-G Mini dumper for J Kehoe Groundworks, from Ballyward Plant Services.



New Hammer Fx 2900 breaker sold to O Leary Plant Hire in Cork by SME Plant Sales.



A new Giant V5003T for Shines Agri Supplies, from Ballyward Plant Services.



2 x New Agri Merlos a TF42.7 and a TF33.7 sold to Priority by McHale Plant Sales Ltd.



A new Giant G4500tele for R&D McCormick, from Ballyward Plant Services.



Hitachi ZW310-6 - Hilltop Quarries Ltd, Bilboa sold by TBF Construction Machinery.



New Komatsu HD405-8 sold to Kilwaughter Minerals by WAC McCandless.



A new Truxta B300-G for Doyle Groundworks, from Ballyward Plant Services.

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A new Adler K600/240 sweeper for J Currie, from Ballyward Plant Services.



Hitachi ZX130LCN-6 - Larkin Civil Engineering & Plant Hire Ltd, Charlestown sold by TBF Construction Machinery.



New Komatsu PC490LC-11 c/w Epiroc HB3600 Breaker sold to FP McCann by WAC McCandless.



Hitachi ZX38U-5 - Carnanbane Building Contractors Ltd, Dungiven sold by TBF Construction Machinery.



3 new Atlas Copco XAS88 recently sold to Hire Store by WAC McCandless.



A new Truxta B450-E Electric Mini Dumper for D McFetteridge, from Ballyward Plant Services.



Hitachi ZX490LC-6, ZX210LC-6, ZX130LCN-6, ZX85USB - M & N Groundworks Ltd, BRINAL-ACK sold by TBF Construction Machinery.



New Epiroc HC450 sold to Kelly Groundworks by WAC McCandless.



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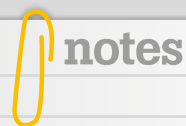
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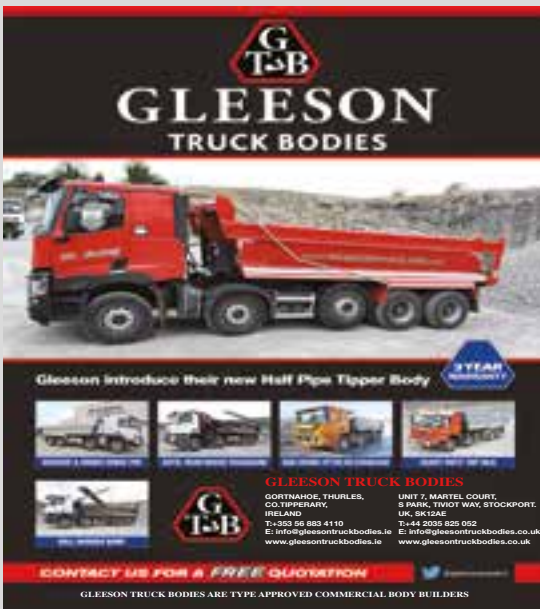
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