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MAY-JUNE 2016

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May - June 2015

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The forthcoming show at Hillhead represents a perfect platform to promote Irish excellence and innovation in manufacturing and engineering, so it is not surprising more than 40 companies from Northern Ireland alone will be there to demonstrate their products and services.

Collectively, these and other locally headquartered companies have built up a customer base that extends to over 100 countries around the world and together they employ more than 4,000 people whose expertise and experience are the envy of many – and you can read more about them in our specially extended preview of Hillhead in this issue.

The fact that the show to be held in June was a sell-out weeks ago is certainly indicative of the state of health of our industry; yes, there are challenges yet to be overcome, but there's plenty of business being done across many sectors, not just in manufacturing. Take Plant Hire, for example. We report in this issue on some record breaking deals.

The construction sector, too, continues to show signs of improving, but difficulties remain, with a distinct shortage of skilled people, many of them lost during the recession, and exacerbated by the fact that it is not easy to encourage new recruits to the industry. As QPANI's Gordon Best declares, 'unless we get serious about infrastructure development and maintenance investment and we create multi year budgets for maintenance with ring fenced allocations tied to an infrastructure plan then young people, and particularly their parents, will never see the Construction industry in all its forms as an attractive occupation to build your career and future on.'

Another area of some concern surrounds the forthcoming vote on whether the UK should stay in or leave the European Union. How will the outcome impact on construction materials suppliers and manufacturers here? It's not a question that is easy to answer, so we'll all have to wait to see.

Meanwhile, on a brighter note, preparations are well underway for our Plant, Construction and Quarry Awards 2016, so now is the time to start thinking about your participation because we would love to see you there! There are loads of different categories that you can enter – all you need to know is outlined elsewhere in this edition.

Well, that's all for now, but remember, you can keep up to date by logging on to www.plantandcivilengineer.com.

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Hill Engineering Named One of Ireland's Best Managed Companies

Newry based Hill Engineering has been named as one of Ireland's 'Best Managed' companies in the Deloitte Best Managed Companies Awards Programme.

The company, which demonstrated superior business performance for the second year running, was recognised at an awards gala dinner in Dublin.

The event marked the eighth year of the Deloitte Best Managed Companies awards programme, in association with Barclays Bank Ireland, and was attended by over 800 people from the Irish business community.

Established in 1994, Multi-Award winning Hill Engineering is celebrating 22-years of designing and manufacturing pioneering excavator attachments. The company's quick couplers are designed for excavators ranging from 3 to 120 tonnes.

Commented Ian Hill Managing Director of Hill Engineering: "This award is further evidence of the advancements this company has made over the past six-years. We have grown our quick coupler market share to over 50% in the UK and we are well on our way to becoming market leader in North America. This is testimony to the contemporary



management practices we have adopted as a business.

"The whole company has been instrumental at listening to our customers' needs and requirements. We have undertaken research programmes to identify how we can offer our customers a competitive advantage over other suppliers. In turn this has enabled the business to tailor our innovative products to customer's requirements and improve their productivity in the field by reducing downtime."

Sixteen companies from around Ireland were awarded Best Managed status for the first time this year, following a lengthy qualification and judging process in which the complete performance of a business is assessed, moving beyond finances to such areas as operational excellence, strategy, and human resource processes.



Eleven platinum award winners - companies that have retained their Best Managed status for seven consecutive years - were also recognised on the night.

Mercedes-Benz Arocs wins McCormick's trust

The first Mercedes-Benz Arocs to join the McCormick Contracts fleet has repaid its owner with problem-free performance and a welcome boost in fuel efficiency.

With a full year's hard work under its belt, the 3240K tipper has vindicated the decision of operator Garreth McCormick to invest his faith in the three-pointed star.

Supplied by Dealer Mercedes-Benz Truck & Van (NI), the Arocs is powered by an advanced 290 kW (394 hp) straight-six engine which drives through a smooth, 12-speed Mercedes PowerShift transmission. Its steel tipping body, meanwhile, is by Farlow Engineering, of Garvagh.

"The truck has been superb," enthused Mr McCormick. "I was impressed with the look of the Arocs the first time I saw it, as it's clearly purpose-built for our type of work. Our tipper has now proved in operation to be every bit as reliable,

productive and driver-friendly as I'd hoped, so I'm delighted with the choice I made."

Based in Ballycastle, the civil engineering company runs six tippers and a tractor unit which hauls a low-loader trailer, as well as a range of plant equipment including 16 tracked machines. Having tried demonstration vehicles from several leading manufacturers, Mr McCormick purchased the Arocs to meet growing demand.

"The Arocs immediately impressed us with its fuel efficiency, as well as its remarkably



low AdBlue consumption – it was the best by a long shot," he recalled. "Our drivers were also impressed with the cab design and the whole approach of Mercedes-Benz Truck & Van (NI) struck me as highly professional.

"It's difficult to make fuel comparisons because the work is so varied, but overall it's returning around 8.2 mpg, which is excellent when set against our tipper fleet average of 7.4 mpg.

"It's a tough truck too," he continued. "We maintain our vehicles and carry out their six-weekly inspections, in-house. It will probably go back to the dealer if it ever needs anything more but so far nothing has gone wrong, so they haven't seen it since the day we took delivery."

The truck has worked on a variety of projects since joining the company's fleet, including major road-building schemes and the construction of a large store for a leading supermarket chain in Antrim.

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Kubota UK reaches 50,000 excavator milestone



Pictured in Kubota UK's reception area with the 50,000 excavator are Riuchard Sayers and Leana Horton

Kubota UK has achieved the landmark sale of its 50,000th excavator in the British and Irish market.

This is a major milestone for the company that was the first to introduce and pioneer the concept of mini-excavators into the UK in 1979.

Back then, with no products of this kind on the market, there

was some serious skepticism about the introduction of mini-excavators and the value they could provide to building projects. In fact, just 41 Kubota machines were sold in 1979, with one of the first being the classic KH10 mini-excavator model, a machine that can still be found working 37 years later.

Since being introduced, the popularity of mini-excavators has gone from strength-to-strength. Competing brands have entered the sector, but none have managed to take Kubota's number one position as market leader, a reputation that has been built by providing robust, high performing and reliable machines, with excellent comfort and efficiency, and backed up by a first class after sales support.

In the last 10 years, growth has been phenomenal, with Kubota reaching the 50,000 landmark following a stellar 2015 for the firm, setting new records in terms of volumes and market share for the 3rd consecutive year.

Whilst the brand is widely known for its mini-excavators within the UK and Irish construction market, Kubota has also expanded its product offering in 2015, with the launch of new ranges of wheeled loaders and tracked carriers.

To commemorate the achievement internally, the business will be showcasing the 50,000th machine, identified as a Kubota's K008-3 micro excavator, within the reception of its UK's headquarters in Thame Oxfordshire, alongside a plaque honoring the feat.

Externally, a whole host of activity is planned throughout 2016 to celebrate the 50,000th sale. Firstly

the business will be exhibiting its original Kubota KH10 model at the Hillhead show in June, where it will be positioned next to a 'special edition' gold painted KX-71 machine, considered to be a modern day equivalent in terms of size and power to the KH10. Kubota will then donate the 'gold-digger' to the Lighthouse Club, who will be auctioning it off at its prestigious summer ball, with all money donated going to the construction industry charity.

Dave Roberts, Managing Director of Kubota UK, commented: "We have a great team here at Kubota UK. Everyone works really hard to keep Kubota number 1 in terms service, product and after sales support. We have earned a fantastic reputation over the years for our machinery solutions; along with the significant value we offer the construction sector in terms of our finance packages, service capabilities and parts distribution.

"It fills me with great pride that we continue to maintain and build on our market leading position thanks to our loyal customers, some of whom have been with us since the start in 1979, as well as the ever increasing number of customers who are new to Kubota. I welcome you all to join me on Stand W3 at Hillhead, where we will be celebrating this achievement."

Takeuchi Powers In With New Machines Right Across The Range

One excavator company who always have something new to shout about are Takeuchi. Not only are they coming with new product but Takeuchi are also celebrating 20 years of Takeuchi branded machines in the UK and Ireland.

They have steadily built a reputation over the years for reliability and specialism in the mini market and Takeuchi don't stand still with new product development launching machines year on year to meet the changing demands in construction. They have constantly increased the number of models, and added new weight class options for both reduced tail swing and conventional.

At 4 tonnes the new TB240 is a brand new Takeuchi weight class, meeting growing demand from contractors for more power options between 3 and 5 tonnes.

All packaged in a new style Takeuchi cab, roomy enough for the largest operators,

excellent visibility and ergonomic controls with colour VDU and air con as standard. Critical is the TB240's greater dig depth and a 27.2kW engine and air con as standard. So far so good the Tb240 has proved a popular addition in the plant hire fleet.

In the micro category there's something new. A short tail swing TB210R is the long awaited new Takeuchi micro to replace the very popular TB108. The new model comes with 3 cylinders and stylish control panel, a powerful micro alternative; perfect where space is a premium – and good for the DIY weekend hire as controls are simple.

Takeuchi machines remain the most popular in the 1.6 weight class, they now boast quite a selection of both conventional and short tail minis under 3 tonne – 6 machines in this weight class alone.

At 3 tonne the latest TB230 is a stylish new choice for a very popular operating size,



again with the new style cab excellent ground reach and extra digging force.

Zero swing options continue to be a must on restricted sites and Takeuchi have upgraded the FR range with a new TB280FR. Featuring a new cab and 8486kg of operating weight with a 46.7kW engine, operators get powerful capacity for tough working environments.

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Rapidmix Enables Reuse of Waste Fines for Gallagher Group



County Armagh based Rapid International Ltd has recently supplied Kent based Gallagher Group with a new Rapidmix 400CW mobile continuous mixing plant. The Rapidmix machine is operated primarily at the group's Hermitage Quarry site and is also utilised on location if haulage presents an issue.

Established in 1973, privately owned Gallagher Group is one of Kent's leading Building, Civil Engineering, Aggregates and Property Development companies. Having previously purchased a 3m³ Rapid pan mixer for installation in a concrete batching plant system, the company was already confident in Rapid's mixing technology capabilities.

Gallagher's Rapidmix plant is employed in the production of the company's 'Gallapave' range of HBM (Hydraulically Bound Material) and RCC (Roller Compacted Concrete). HBM is used as sub-base and base course to replace traditional capping layer, type 1 sub-base and tarmacadam base course in road construction.

The benefit of HBM is the reduction in road digging. This in turn leads to reduced costs as less soil requires excavation and transportation to landfill. In addition, Geotextile membrane isn't required.

RCC is a semi dry concrete product that is a wearing surface used where strong pavement is required to stand up to massive loads and specialised equipment. Airport runways and aprons are particularly suited to RCC. RCC is also typically used for parking, storage and warehouse floors, container storage & handling, port pavements. RCC offers high flexural strength, doesn't require forms or finishing and is fast and economical to produce.

Commenting on their purchase, Gallagher Group said, "With the Rapidmix 400CW we are using the

waste fines from our fixed primary crushing plant for our HBM products, saving dump trucks moving fines and space in our landfill. The Rapidmix 400CW is a well-built piece of equipment but as with every piece of new equipment there is always minor initial teething problems. The customer service that Rapid International gave was second to none, most queries were resolved over the phone with the remote login access from head office in Northern Ireland."

Victor Pickering, Rapid Sales - UK Mainland, remarked, "The new Rapidmix has afforded Gallagher Group the opportunity to profit from its previously redundant waste fines and in turn broaden their supply of new materials, opening new market channels."

Semi dry mixes, such as HBM and RCC, are typically less economical to produce in a conventional static batch plant. The Rapidmix mobile continuous mixing plant solves this problem as it is specifically designed for semi dry mixes, ensuring a high output of high quality homogenous material at all times. The on board high speed Rapid Twin Shaft mixer contains chill cast steel mixing paddles which are intermeshed in a specially phased relationship to optimise mixing action, whilst maximising throughput.

The new Rapidmix 400CW plant produces high quality controlled mixtures for utilisation in a range of Civil Engineering applications – from airport runways and contaminated land treatment to dam construction and soil stabilisation. The mobile nature of the plant combined with the technically advanced design is most advantageous in meeting the supply and demand requirements on projects. The Rapidmix 400CW provides a cost effective solution for projects where high specification compliance coupled with a high volume fast throughput are critical.

Fully mobile and self-contained, the Rapidmix 400CW from Rapid International offers a complete plant powered by its own power source, with on-board compressor and generator. Fitted with a self-erecting system, using hydraulics, the plant can change from travel mode to fully operational within a few hours. Available with outputs of up to 600 tonnes per hour, the Rapidmix provides feed rates that are fully adjustable for the aggregate, cement and water systems.

The recently updated unit incorporates full weighing options for all materials - aggregates, cement and water - which means the new generation Rapidmix 400 CW offers record keeping that is automated, precise and detailed.



McHale Plant Sales Boosts Service Fleet

Komatsu, Metso, Merlo and Zetor distributor McHale Plant Sales has turned up the volume on their provision of technical support services with the enlargement of their mobile service fleet.

Following their appointment as distributors for Metso crushing and screening plant - and the expansion that is taking place in sales across their portfolio generally driven by improving economic conditions – the company has recorded a rising demand for mobile, on-site servicing.

Driven by the objective of ensuring that service assistance is within close reach of its customers, the company has invested in four additional mobile units which have gone into operation alongside its established fleet.

Guiding this investment, according to the company's managing director, Michael McHale, was the consideration that customers seeking service 'should be within little more than a one hour drive away'.

Pressure Hydraulics Cork is Ireland's first Bosch Rexroth Authorised Training Centre

Pressure Hydraulics Cork (PHC) has become the only facility in Ireland to be recognised as an Authorised Training Centre by Bosch Rexroth.

Ireland's leading supplier of hydraulic valves, pumps and filters demonstrated exceptional standards, from equipment quality through to delivery of

training, in order to achieve the much sought after accreditation.

The trusted partner of Bosch Rexroth, has been providing training on industrial hydraulics and controls for three years and plans to grow its training offer to the Irish market with a focus on bespoke courses for its customers, tailored to suit individual requirements.

Jim Hickey, Managing Director at Pressure Hydraulics Cork, says: "This is a significant achievement and something we are very proud of. We've worked really hard to obtain this title and we aim to continue maintaining this standard."

The facility has a dedicated training room complete with Bosch Rexroth training rigs,

offering a hands-on experience.

As well as this, the on-site trainer is also Bosch Rexroth approved. The certified tutors are a mixture of current Field Service Engineers, Application Engineers and Test Engineers with personal access to a vast amount of practical understanding and real-life experience. With the aim to provide current product knowledge and trends in the industry, which is vital in the ever changing industrial climate.

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Temple Pumping Station marks completion of £14 million NI Water investment

Regional Development Minister Michelle McIlveen has visited the new St Andrew's Pumping Station at Temple, which is a key part of the recently completed £14 million Castor Bay-Belfast Water Pipeline – an essential package of work, which will improve the security of the water supply infrastructure for customers in Belfast and the wider Lisburn area.



Back row (L-R) are Paul Davison (NI Water), Paul Rodgers, Lee Brock Capita, Paddy Harney (Lagan Construction Group) Michael Anderson (Capita), and Declan McKenna (Lagan Construction Group). Front (L-R) Regional Development Minister Michelle McIlveen, Bill Gowdy and Sara Venning of NI Water.

This major project, which got underway in January 2014, involved laying almost 19 miles (30 kilometres) of water pipeline from Castor Bay Water Treatment Works in Craigavon to south Lisburn, where the pipeline links into an existing trunk main to transport the water supply on to Belfast. It also involved pipe laying across the M1, A1, River Lagan, Lagan Canal and the railway crossing on the Moyrusk Road in Moira. Two new water pumping stations at St Andrews and Sprucefield, which will have the joint capacity to deliver up to 48.5 megalitres of water per day to customers, were also completed, as well as the re-commissioning of several local service reservoirs. The construction work was completed by Lagan Construction Group, with Capita providing Project Management and Cost Management support.

Early Completion for Lagan Construction International Project at RAF Gibraltar

Lagan Construction International, part of the Lagan Construction Group, has completed a runway resurfacing programme at the Royal Air Force Base (RAF) Gibraltar.

Valued at £8million, the project was carried out on behalf of the UK Defence Infrastructure Organisation (DIO). The four month contract involved the replacement of some 15,000 tonnes of asphalt and 200 airfield lights. Work was completed during night time shifts to ensure the base remained operational throughout.

To complete the resurfacing work, plant and equipment owned by Lagan Construction International was shipped in from the UK along with aggregates from the UK. Works included the slurry sealing of 200,000m² of the runway strip. Installation of a new pit and duct system was carried out including 3 runway crossings. Temporary airfield ground lighting was installed to facilitate the delivery of the works.

British Forces Gibraltar commander commodore Ian McGhie revealed: "74,000 man hours were dedicated to resurfacing the runway, all done without a single reported accident. And get this, a MoD project that was delivered two weeks early and to budget. I never thought I'd hear myself say that so I will say it again, it was delivered two weeks early and to budget."

Steve Turner, Director International Operations at Lagan Construction International said: "The entire team have been working together to overcome significant challenges such as logistics of plant and material from UK to Gibraltar to deliver a high quality project. Everyone at Lagan Construction International is extremely proud of what has been achieved on this challenging project."

Institute of Quarrying Appoints New Chairman



Past chairman Stephen Robinson and past secretary John Braniff congratulating Sam and David to their appointment.

The Northern Ireland Branch of the Institute of Quarrying at their recent Annual General Meeting elected Sam Eccles as Branch Chairman, with Roy Wallace as Vice Chairman and David Johnson as secretary.

Sam has 43 years' experience in the Quarry Industry, first with Moore Brothers, then with Wimpey Hobbs and currently with Tarmac.

Having started with Moore Bros as a driller, Sam moved up through the ranks with Wimpey Hobbs and Tarmac to now a senior management position



Pictured with Sam Eccles is Vice Chairman Roy Wallace.

in Craigantlet Quarry Co. Down focusing primarily on providing Gritstone Aggregate to England.

David Johnson returning as Branch Secretary is well known in the Institute as Northern Ireland council representative and in his own business as Health Adviser to the Quarry Industry.

Newly elected Vice Chairman Roy Wallace, a household name in the explosives industry for over 30 years, and Managing Director of Orica BQS, brings a lifetime of experience in Drilling and Blasting to the Branch.



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Modular construction specialists McAvoy awarded BRE BIM certification first

The County Tyrone based McAvoy Group who specialise in modular buildings for the health, education and hospitality sectors, have become the first UK offsite construction company to achieve BRE BIM Level 2 business systems certification.

This means that McAvoy can demonstrate compliance with the UK Government's new BIM Level 2 requirement for centrally procured construction projects which came into effect in April.

McAvoy's Design Manager, David Clark said: 'By harnessing BIM we can ensure all aspects of design and planning is shared and all team members are working to the same standards. Our specialist design teams have been using BIM to develop virtual models of our building spaces and construction processes thereby providing our clients with a full understanding of their building concept as the design progresses for several years.'

With two state-of-the-art manufacturing facilities in Northern Ireland, McAvoy has delivered over 3 million m2 of modular accommodation for the private and public sectors.



BRE Group Director for BIM Guy Hammersley said: 'This is a fantastic achievement for McAvoy, the potential for modular construction to meet the demands of public sector building procurement is significant - BIM compliance puts McAvoy in a great position to capitalise on these opportunities.'

BRE Global's BIM Level 2 Business Systems Certification scheme assesses a business in relation to its BIM capability and policy as outlined in the PAS 1192-2:2013 and PAS 91 standards. It also considers the ability of the business to meet the requirements of an employer to implement BIM on a project.

CIF welcomes the Construction Contracts Act

The Director General of the Construction Industry Federation (CIF), Tom Parlon, has welcomed the signing of the Construction Contracts Act by Irish Minister for Business and Employment, Ged Nash. This gives legal effect to the provisions of the Construction Contracts Act that aims to regularise cash-flow for construction

companies and reduce costs by providing for rapid resolution of disputes.

CIF President, Michael Stone, stated: 'This Act will benefit the entire supply chain by bringing more certainty to contracts and dispute resolution in the industry. The sector is in recovery mode and this Act will help companies plan, budget and invest more

accurately in meeting Ireland's increasing economic demands. I'd like to thank the Minister on behalf of the industry for his efforts in bringing this important piece of legislation into being.'

Phillip Crampton, Chairman of the CIF's Procurement, Tendering and Contracts Committee said:

'The Act is positive news for construction sector and will mean more certainty of payment for all in the supply chain. This certainty will improve the competitiveness of the sector facilitating growth and the delivery of quality public and private construction projects. 'The new legislation will also reduce the amount of management time and expense currently involved in dealing with costly disputes. The Procurement Tendering and Contractual matters Committee has worked closely with Minister Nash, Senator Fergal Quinn, the late Brian Lenihan and many others over the last seven years to facilitate this legislation. It's a significant day for the industry.'

The Construction Contracts Act provides, subject to some exceptions, new minimum contractual provisions concerning payment arrangements between the parties to a construction contract. Where payment disputes do arise between the parties to a construction contract, either party will have the right to refer the payment dispute for adjudication, which will be concluded within a set timeframe. Where the parties cannot agree on an adjudicator, the Chairperson of the Ministerial Panel of Adjudicators will appoint an adjudicator from that Panel to the dispute.

This follows on from the appointment of Dr Nael Bunni as Chairperson of the Panel of Adjudicators last July, and the subsequent appointment a Panel of Adjudicators in December.

The Order states that the '25th July, 2016 is appointed pursuant to section 12(2) of the Construction Contracts Act 2013 (No. 34 of 2013) and that Act shall apply in relation to construction contracts entered into after that date.

CIF will be providing high-level training and briefings, to prepare companies for the new legislation.



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JCB Hydradig

A Revolutionary Tool Carrier

JCB has launched a completely new, innovative tool-carrying solution, which is set to radically change the way in which modern construction projects are undertaken, particularly in congested urban environments and on busy road networks.

Developed in complete secrecy over a three-year period, under the codename 'Project 710', the result is a product which rewrites the rulebook: the all-new JCB Hydradig.

The vision from the outset of the project was to design and engineer the most innovative solution in response to five key challenges facing customers in

today's construction sector. The machine had to have the best visibility, stability, manoeuvrability, mobility and serviceability.

JCB Chairman Lord Bamford, who initiated the project, said: "We assembled the very best team available to us from right across the JCB Group. That team covered a wide range of disciplines and did a tremendous job in analysing what customers needed. We then handed the project to a group of innovators to come up with a solution that defied convention and they did a great job in translating the concept and all the ideas generated into a truly great machine. The Hydradig really does have innovation running right through the heart of it. In fact Hydradig will transform the industry and I am certain customers will quickly appreciate its benefits."

JCB's Chief Innovation and Growth Officer Tim Burnhope said: "Customers know what they want from a machine: solutions that deliver the best results on site, in the safest and most productive manner. Customers told us that they need a single machine solution delivering unrivalled visibility, stability, manoeuvrability, mobility and serviceability. We knew the answer was to innovate, challenge the status quo and give customers solutions they never thought possible. With the JCB Hydradig we've succeeded in delivering against all five customer requirements in the 10-tonne sector."

VISIBILITY

With the driveline mounted in the lower chassis, JCB's designers were able to create an operator's cab and upper structure with



JCB Chairman Lord Bamford

360° visibility, as there are no engine covers or fluid tanks to obstruct the view. As the engine is no longer mounted in the upper bodywork, there is no requirement for additional handrails, mirrors or a rear-view camera, further transforming visibility for the operator.

STABILITY

At the heart of the cutting-edge design was a requirement to lower the machine's centre of gravity, to boost stability and mobility. This was achieved by packaging the driveline and hydraulic pump in the base chassis, rather than high up in the machine's upper structure. By using experience gained in the telescopic handler market, JCB's designers were able to package the complete driveline within the machine's wheelbase. The machine is as much as 150mm lower in overall height than leading competitors, creating a machine that can be transported in a standard curtain side trailer. With this low centre of gravity design excellent stability is also maintained when travelling. The Hydradig has a twin articulation boom offering lift capacity of 1000kgs through 360° off dual tyres.

MOBILITY

The low centre of gravity and unrivalled stability allows the operator to make full use of the Hydradig's 40km/h maximum travel speed. With stepless hydrostatic drive to all four wheels, and an extended all-wheel steer chassis, the machine offers the ability to travel rapidly between job sites. JCB will also offer a purpose-built trailer with the Hydradig, allowing a single operator to carry a variety of attachments and buckets along with materials for a range of jobs on site.

MANOEUVRABILITY

By using a chassis based on Loadall telescopic handler technology, JCB has been able to provide the Hydradig three steering modes as standard, which include two-wheel steer, four-wheel steer and crab steering. There is also an optional reverse steer function, which changes the direction of the steering wheels when rotated at 180 degrees. A front axle with a class leading $\pm 8^\circ$ of oscillation and constant four-wheel drive with a stepless hydrostatic transmission ensures maximum traction and manoeuvrability on the toughest of terrain.

SERVICEABILITY

The side-mounted engine has a wide-opening steel canopy that provides complete ground-level access to the engine and cooling pack. All daily checks and regular maintenance can be safely carried out from the ground, reducing downtime and boosting on-site safety as there is no working

at height requirement. All boom and arm pins are nitro carbonised and bushes are carbon bronze construction to extending greasing intervals to 500 hours, further cutting downtime for the customer.

Though a clean sheet design, Hydradig uses well-proven JCB components and technologies, including the JCB Ecomax engine, axles, hydraulic rams, cab and all of the major fabrications. The machine also comes with JCB's LiveLink telematic

system, allowing fleet managers to geofence operation and to monitor fuel use and operating data remotely.

"We have completely changed the wheeled tool carrier concept with the introduction of the new JCB Hydradig", said JCB Chief Innovation and Growth Officer Tim Burnhope.

"It is a machine which has true innovation as its hallmark and because it is designed to both dig and lift, it will truly transform the way jobs are done in an urban environment."





BC Plant Secures Record JCB Site Dumper Order from Balloo Hire Centres



Local JCB dealer BC Plant has secured one of its biggest ever orders for site dumpers and other JCB machines worth in excess of £1.25m.

The investment in more than 80 JCB dumpers, excavators and telehandlers has been made by Balloo Hire Centres.

BC Plant (JCB) Managing Director Phillip Chick tells us that he's delighted to have secured the order which came after lengthy negotiations with Balloo Hire whose extensive rental fleet already includes JCB telehandlers and excavators.

"However," he says, "we are especially pleased with the order for a range of different sized site dumpers which is one of

the largest in Ireland and the UK since their launch; it's a brilliant start to what is our 45th year as a JCB dealer."

The deal includes 60 site dumpers – from 6 tonne swivel and 9 tonne straight to smaller swivels and high tip swivels, all featuring full road kits, plus a high specification level that includes as standard a folding ROPS frame, reversing alarms, flashing beacons, and CESAR Datatag security marking.

In addition, the package includes 10 JCB540-170, 17 metre telehandlers and thirteen, 13 tonne JS130 excavators, making it BC Plant's largest ever single deal with Balloo Hire Centres.

All the machines are fitted with JCB Livelink, an advanced telematics system that allows for remote monitoring, providing critical service and management information via the web by email.

The technology can tell when machines are due for service as well as notifying you of any critical machine health alerts. Livelink also has the ability to contact you should machines be moved from their work site, or operated outside their normal working hours, reducing your risk and costs.

Balloo Hire's Operations manager Mark Grundy says they have been impressed with the package offered by BC Plant and JCB and he explains that the reason they opted for JCB was because of the products' quality, fuel efficiency and value for money.

He also says customer demand was another major influencing factor. The large number of JCB machines already in their hire fleet have proved popular with clients.

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Hiab introduces MULTILIFT Optima

Hiab, part of Cargotec, is introducing MULTILIFT Optima, a smart hooklift for customers who need the right performance and value for money for their everyday loading tasks.

"There is a strong demand in the market for cost-efficient hooklift solutions featuring the relatively basic functions required for straightforward loading tasks, for example, in the waste and recycling segments as well as in general transportation. That is why we have developed MULTILIFT Optima, the 20-tonne hooklift that will provide the highest performance with exactly the right functions needed when working with repetitive loads," says Hans Ekman, Head of Sales, MULTILIFT. The key to better business in routine tasks is reliability. Designed for working with predictable loads on 3-axle trucks, MULTILIFT Optima gives dependable performance with an optimised capacity.

Groundforce expands operations

To accommodate continued expansion and growth across its divisions, Groundforce has opened a new 'super' depot in Derby, which will incorporate four of the company's businesses.

The new 4.3 acre site includes, Groundforce Shorco, U Mole, Major Projects and Groundforce Bridge and will offer customers a new, one-stop-shop facility and a faster delivery service across The Midlands and North Wales.

Groundforce now has 17 depots across the UK and Ireland, providing a comprehensive range of equipment and solutions to the construction industry.

Michelin Extends Rugged Tyre Range For Construction Sector

Michelin has extended its range of robust X Works tyres for the construction sector, adding five new tyres to the line-up of rugged fitments.

Available now and designed for operators who do most of their mileage on roads, but need traction and robustness on rough tracks and construction sites, Michelin claims the new 315/80 R 22.5 X Works Z (multi-position) tyres provide up to 25 per cent more mileage than its predecessor, while the

315/80 R 22.5 X Works D (drive axle) tyres offer an increase of up to 15 per cent, and 385/65 R 22.5 X Works T (trailer axle) tyres up to 10 per cent more.

Later this year, the range will expand further with the introduction of X Works HD Z and HD D (Heavy Duty) tyres also in 315/80 R 22.5 – designed for operators whose fleets spend more than 20 per cent of their time in rough conditions and on construction site tracks.

Confident in the products ability to withstand punishment and deliver a superior performance over a long life, Michelin is offering a guarantee to provide fleet owners with a risk-free way of putting the tyres to the test. In the event of a registered X Works HD tyre (fitted as replacements or original equipment) suffering accidental damage before it is 50 per cent worn, they will refund the operator, with the level of refund being determined by the tyre's remaining tread depth.

Get Your Entries in for Annual Plant & Civil Engineer Awards



Preparations are well underway for our Plant, Construction and Quarry Awards 2016 which is already shaping up to be an even bigger showcase than last time around, with four new categories having been added.

Specialist Contractor of the Year and Student of the Year were announced in March, and since then another two have been revealed - Innovation of the Year Award, sponsored by Leica Geo-Systems & Innovate NI, and Fleet Management Company of the Year, sponsored by Easy Track.

Together with 11 other categories in the Awards to choose from, there is bound to be one or more that is applicable to your area of expertise and activity, whether it is in plant hire, civil engineering, quarrying, construction or heavy haulage - virtually every aspect of the plant, construction and quarrying sectors is catered for.

Apart from receiving a beautiful and much sought after cut glass trophy, you will also benefit from the industry-wide recognition and prestige that comes with such success.

Taking place once again at the Ramada Hotel in South Belfast on the evening of Thursday, November 24th, 2016, the event is designed to be a celebration of your hard work and determination, of your continued investment in people and products, in innovation and latest technologies, and in the strength of the partnerships you have developed.

Entering is simple and fast and you can do it online. You don't have to be nominated for any awards, just enter yourself or your company directly, but if you

also want to separately nominate any company or individuals other than your own, you can do so. You'll find more details on how to enter elsewhere in this issue of the magazine.

As tables for the gala dinner and awards presentation - and overnight accommodation at the hotel - are traditionally

booked up very quickly, we would advise you to start making plans so as not to miss what will be a night never to forget!

Find all you need to know elsewhere in this issue of Plant & Civil Engineer and online at www.plantandcivilengineer.com Alternatively, call us on 028 9268 8888 for more information.



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Hiab adds cranes to its renewed T-Series range

Hiab, part of Cargotec, adds two additional capacity classes to its renewed HIAB T-Series which includes cranes from 0.9 to 3.5 tonne metre lift capacity.

The new cranes are the HIAB T-009, the smallest powerhouse in the range, and the HIAB T-018, a popular size for many different operations. Built for easy mounting on pickups and light trucks, the cranes are used in a vast variety of applications where loading and unloading of equipment and material is required close to a workplace.

"We are very happy to complete the HIAB T-Series with these two cranes. The first new cranes in the renewed range were launched last year and have been very well received in the market. The T-series represents the HIAB quality, reliability and robustness while featuring the latest technology, like nDurance™, SmartControl and hybrid drive, that really puts these cranes in pole position. They are light cranes with strong advantages," says Patrik Kvarnlöf, Director, Light Range - Loader Cranes, Hiab.

The T-Series cranes can be operated on electricity alone, which limits noise in operation and reduces fuel consumption. The power pack is charged whenever the truck engine is running.



State-Of-The-Art Site Dumper Line Installed at Terex Construction's UK Facility

Terex Construction, has installed an innovative new site dumper production line at its UK manufacturing facility in Coventry. Featuring 11 stations, the recently commissioned line is already helping the team exceed quality and customer delivery targets.

The bespoke production line has been specially developed by Terex as part of an ongoing commitment to continuous operational improvement. It provides real-time awareness and visibility of unit progress through the line via visual and audio signals, offering a systematic procedure to further improve the production process.

More efficient space and height optimisation means the system fills a 40% smaller footprint compared to the previous line, despite boasting a significantly higher unit production capacity.

Neal Nowick, General Manager at Terex Construction's Coventry facility, commented: "Combining our experience of the wider automotive supply chain and the values of high performance, partnership, planning and operational excellence – outlined within the Terex Business System (TBS) internal framework - we have been able to develop a completely bespoke production line for the manufacture of site dumper units.

"Alongside enabling us to reduce production time, minimise unit defects and deliver an even higher quality end product, as a mixed model line we are now able to manage production to meet the exacting build needs of our customers in a more efficient manner. Developed to provide real time material, production and information synchronisation, the new line provides a complete view of the production process, allowing us to maximise factory efficiencies."

In addition to the new site dumper production line, Terex Construction has also announced an even stricter quality standard to ensure all units leave the facility in site-ready condition.

Metaloffcut.com - the Online Metal Exchange

Metaloffcut.com is a new and unique online metal exchange that connects buyers with sellers of unwanted metal off cuts (stainless steel, aluminium, copper, nickel, titanium etc.)

It connects buyers with sellers and sellers with buyers where they can arrange payment and delivery terms by email or by phone directly with one another.

The website is designed to let businesses sell their unwanted metals off cuts and gives individuals an opportunity to buy otherwise expensive metals at a fraction of the normal price all while helping to save the environment.

By using the site, you will help reduce carbon emissions, lower energy

consumption and help preserve limited natural resources, all used in the production and recycling process of all metals.

The site enables you to purchase metals in all sizes, shapes, thickness, large and small at considerably lower prices than usual to help you manage your budget; it promotes the re-use rather the scrapping or dumping of precious metals – and it is a greener, more sustainable alternative to even recycled steel/metals, helping businesses and individuals free up cash flow and grow.

You can request exactly what size, thickness and type of metal you require on the "Request a Metal" section of the site and that request will then be posted live and an email with the details of your request will be sent to

the site's 9,000 (and growing) members – made up mostly up of metal fabrication, engineering and construction companies around the UK, Ireland and the EU. Even the most obscure type of metals have been sourced through www.metaloffcut.com.

Free Membership

Metaloffcut.com is presenting all Plant and Civil Engineer subscribers with a one-off special offer for 2016; three months' free membership worth €100 to post unlimited adverts or requests for any metals.

Contact Leon on +353(0)51 358144 or marketing@metaloffcut.com and quote code PCE16 to avail of this offer.

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Construction apprentices strike gold, silver and bronze at Skillbuild 2016



Best Overall Skillbuild NI Young Apprentice and Gold award winner in Brickwork, Jemual Chamos from SERC, photographed with Department for Employment and Learning Deputy Secretary Catherine Bell and Sarah Travers at Skillbuild NI Finals 2016.

Over 70 construction apprentices competed against each other and tested their skills in nine different construction trades at the Skillbuild NI Finals held at South West College, Technology and Skills Centre Enniskillen.

Skillbuild NI, run and governed by CITB NI, is held annually each spring with the top local construction apprentices competing to win coveted titles ranging from brickwork to wall and floor tiling. The winners may then go on to represent Northern Ireland in the Skills Show UK and potentially at WorldSkills.

Department for Employment and Learning Deputy Secretary Catherine Bell said:

"Skillbuild NI is a great opportunity to showcase and celebrate the high level of skills we possess and the impressive talent of our workforce. It reflects the high standards of training in our Colleges and the commitment to excellence demonstrated by the competitors. As with all skills competitions, Skillbuild NI is about raising the status and standards of professional and technical education and training.

"We have a proud record of success at skills competitions not only on a local level but also on a regional, national and world level. I congratulate the ten young competitors who have been selected to represent the UK Squad, and I look forward to seeing how many progress to the prestigious Worldskills competition in Abu Dhabi in 2017."

This competition not only encourages trainees to improve their own skills, but provides an example of the high quality work being produced in training organisations and colleges across NI. The Skillbuild test pieces are designed to challenge the ability of apprentices, testing skills within tight timeframes and the competitors are being continuously assessed throughout the competition.

The competition has the support of local construction employers who sponsor each category, and has the overall support from the Department for Employment and Learning, Construction Employers Federation, Haldane Fisher, City and Guilds, and Subway.

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

years. During this time we have witnessed many construction apprentices take their first steps on a journey that has led to success at UK National, International or even World Skills Competitions. Skillbuild is an amazing showcase for the wide variety of skills and talent we have in this country and we congratulate not only the medal winners but all of those who have taken part in this prestigious competition. Skillbuild NI couldn't happen without the support of the local sponsors and the training network and we extend our thanks to all who have helped the apprentices to be able to compete here today. Our young people are more ambitious now than ever and we wish all the competitors luck in their future careers within the construction industry."

Malachy McAleer, Chief Executive, South West College said, "We at SWC and the Enniskillen Technology & Skills Centre were delighted to welcome the Skillbuild NI Finals to the Region. This Skills Competition is a tremendous opportunity to exhibit the quality of our future workforce. The contestants from across NI, always provide an outstanding spectacle. In global, European, and UK Skills competitions over recent years, NI participants have excelled; so it is likely that future World Skills winners will have participated in this NI event. The range of technical areas of display, the intensity of the competition and the quality of the skills exhibited always makes for an Olympic – style event."

Local company achieves first Heritage endorsed Construction Skills Register Card

A Co Down based company, The Glass Shutter Company, is the first company in NI to get Heritage Endorsed CSR cards.

Director, David McClimond and employee Jonathan Black have both successfully completed an NVQ Level 3 in Heritage Skills Construction - Wood Occupations to enable them to achieve the endorsement.

Jonathan was a trainee on the first ever Heritage Specialist Apprenticeship Programme in Wood Occupations in Northern Ireland managed by CITB NI and funded by the Heritage Lottery Fund. This programme resulted in 11 trainees receiving bespoke, structured training and assessment with experienced heritage contractors leading to the achievement of the Level 3 NVQ Diploma in Heritage Skills (Construction) – Wood Occupations.

Johnathan said, "I have always had a passion for carpentry and joinery and began my career working in the trade which had



Director, David McClimond and employee Jonathan Black.

involved an element of historic maintenance work. I was excited on hearing about the Heritage Apprenticeship Programme as I knew this would help develop my skills in this area, gain a qualification and hopefully open up opportunities to be able to focus my career within the traditional building sector. I was fortunate enough to be accepted onto the programme and

worked on projects for the National Trust to help put theory into practice. I am now using my qualification, skills to work on key projects. I am delighted to be the first to gain my Heritage endorsed CSR card which fully validates that I have the skills and knowledge to use appropriate methods on pre 1919 buildings."

David, also stated, "We are very proud to be the first company in Northern Ireland to achieve this Heritage CSR card endorsement. This reinforces the work that we have been doing in relation to historic buildings in particular traditional sash windows. We hope that this endorsement allows us to develop further work in this area."

Jonathan was one of a number of trainees that participated in Heritage Lottery Funded built heritage upskilling programmes funded by the Heritage Lottery Fund. To find out more about Jonathan's story read his blog on <http://www.citbni.org.uk/Heritage/Blogs.aspx>



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Eliminate Service Strikes with Vacuum Excavation



This photo was taken at a recent vacuum excavation between multiple utility services in Dawson Street, Dublin. These works are continually being carried out to facilitate works on the LUAS light project.

Eliminating service strikes is virtually guaranteed by employing Vacuum Excavation which continues to increase in popularity across Ireland and the UK - and one local company taking a lead is Armagh based GMAC Utilities.

It's an approach that is increasingly being used by GMAC Utilities when working in challenging, sensitive or confined areas.

"This is the safest method of excavation around power cables and other utilities without the risk of damage to the utility or danger of injury to the operator," says Managing Director Gerry McCloskey.

"The excavated material is contained in the vehicle rather than deposited on the side of the trench which is important in confined spaces."

With more than three decades of experience in both the public and private sectors, GMAC Utilities,



GMAC Utilities Ltd using a Ditch Witch JT30 Horizontal Directional Drill, installed 100 meters of a 250mm Gas Main under a roundabout in Avonmouth, Bristol.

for example, has extensively used this method of excavation on the Dublin City Light Rail Service Diversions Project - and it is a safety requirement by many UK Utility Companies.

Also being extensively employed by GMAC Utilities is Horizontal Directional Drilling because of its many advantages.

There's no environmental disruption as surfaces are not broken up or damaged to any great extent, and with fast turnaround times, disruption to both traffic and pedestrians is kept to a minimum.

Ideal for Water, Gas, Electricity and Telecommunications, it's an approved method for pipe laying - from 25mm to 750mm diameter

- and is very economical for river, railway and highway crossings, as well as on roundabouts.

Past horizontal directional drilling projects undertaken by GMAC Utilities include the installation of 1300 metres of a 125mm MP gas main, mainly beneath a dual carriageway in Corby in Northamptonshire, the installation of 150 metres of 90mm gas main under the Bisley Old Road in Stroud, Gloucestershire, and the installation of 100 metres of 90mm SDR11 under a recently laid footpath for the purpose of a new MP gas main at Berensden Laundry in Durham; this allowed for minimal disruption to the public and saved the client on the expense of costly reinstatement.



Crossing the A52 Nottingham 6 lane carriageway with 4 x 225mm ducts for HV electric. It was completed in three nights in April with a JT60 ditch witch drill for Green frog Connect Energy

O'Malley Construction Strengthens Merlo Fleet

Galway-based building and development company, O'Malley Construction, has strengthened its Merlo telehandler fleet with the addition of a new P40.17 Plus – bringing to 19 the number of Merlo units the company has acquired over the years.

Supplied by Merlo distributor McHale Plant Sales of Birdhill and Rathcoole, the high spec P40.17 Plus machine boasts a 4-tonnes lift capacity with a 17-metres reach and is being put

through its paces on housing and development works in Galway. The P40.17 Plus was delivered complete with prearrangement, full remote control and a three person pivoting man basket, allowing the operator to carry out all applications from the controls within the basket. Reflecting on their long association with Merlo's range of Italian-made telehandlers, David Casserly, company director at O'Malley Construction points to the 'reliability and durability' of

the products. 'Ease of access to parts and service is crucial for our business. With Merlo, we find they make a solid machine that is quick to get going again,' he says. Founded in 1971, O'Malley Construction has over four decades of building and development experience across all sectors. The company provides a full range of contract options for each stage of project planning and site management – from outline feasibility studies to final commissioning and handover.



O'Malley Construction director, David Casserly and fitter/operator, Denis O'Brien pictured taking delivery of the new Merlo P40.17 Plus telehandler complete with man basket from McHale Plant Sales.

Schull Contractor Expands Excavator Fleet



Signs that West Cork has begun to benefit from an upswing in construction activity may be seen in a move by Schull-based contractor Whelton Plant Hire Ltd to expand its excavator fleet.

With their purchase of a new Japanese-built Komatsu PC138US-10 excavator, the specialist stone works contractor has raised its total excavator fleet to six units, which includes one additional Komatsu unit. Designed with a zero tail swing for working in confined spaces, this latest addition to the Whelton fleet was supplied with rock breaking and wood mulching attachments.

Established in 1975, Whelton Plant Hire is geared to service projects within a 50 miles radius of its Gortnamona headquarters, near Schull. Founded to supply quarry materials initially, the family-run firm has since expanded its range of services to domestic and commercial projects across the West Cork region. Much of this involves civil works, land drainage, piers, slipways, landscaping, lawn renovations and horse riding arenas.



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FROM THE DESK OF:

GORDON BEST, REGIONAL DIRECTOR, QPANI

One election down and a referendum to go!!



Gordon Best QPANI

As our new MLAs begin the new session of the Assembly, having hopefully taken down all their election posters that have littered our lampposts and telegraph poles for the past 6 weeks or more, many of our business organisations are ready at the starting blocks to begin the job of ensuring our Politicians fulfil the commitments they have made in the election manifestos.

If I am honest though I do really believe that MLAs now realise things have changed and given the growing frustrations of the electorate they must start delivering more for the people, the workers and businesses of Northern Ireland.

If you recall that back in January the NI Executive agreed a one-year budget based on the nine new Departments. At that time the Finance Minister said, "The outcome of the Spending Review and the severely constrained

timescale to deliver next year's spending plans alongside structural changes from 12 to 9 Departments meant the Executive had to construct a 2016/17 budget position in very challenging circumstances. The one-year budget will give new departments and new Ministers a stable, balanced platform to determine priorities and funding allocations post the May election for a multi-year budget from 2017-18 to 2019-20."

While political agreement through the fresh start

agreement was achieved most businesses organisations recognised the difficulties our politicians were in then. However in each of the Manifestos produced by the main business organisations, including those representing the Construction Industry, the message was clear that MLAs and Ministers must start making difficult decisions that are needed to speed up the growth in our economy to enable us to compete with our neighbours south of the border and in our regions in Europe. It is encouraging though to read in a number of Party Manifestos for the Assembly Election the commitment to securing "multi year" budgets for areas such as road maintenance thus reducing the dependency on the in year monitoring rounds. This is something QPANI have been calling for as I met with the various party policy officers over the past number of months.

SKILLS SHORTAGE

The Association has also been consulted on skills shortages and recruitment difficulties being faced by the Construction Industry. The message has been simple! Unless we get serious about infrastructure development and maintenance investment and we create multi year budgets for maintenance with ring fenced allocations tied to a infrastructure plan then young people, and particularly their parents, will never see the Construction Industry in all its forms as an attractive occupation to build your career and future on. Rather people will see us a stop start, low cost, low paid and incapable of planning into the future.

On the Planning front our work continues with the new local Councils as they draft their Local Development Plans. I have been doing the rounds with local Planning offices furnishing them with Industry information on employment levels, turnover, mineral safe guarding issues and advocating

the need to protect responsible businesses against the growing black market and illegal quarrying and development.

I am also delighted to report we have 27 local planning offices currently engaged on the new Mineral Planning for Mineral Planning Course administered by the Institute of Quarrying. As the economy continues to improve demand for aggregates will increase and with it the growing threat from those who would wish to undermine the legitimate Industry. QPANI have been in contact with local HMRC officials highlighting the various scams being used to evade Vat and aggregates levy. We have also highlighted our frustrations to senior planning officials about the length of time it takes to get enforcement action taken against what are blatantly obvious breaches of planning law. This set against the expense and numerous hoops that many of our members have to jump through to tick all the boxes in order to get planning permission. The work goes on!!!

The Association has also recently submitted responses to three consultation papers on Permitted Development, Renewable Energy and Development in the Countryside.

STRONG MEMBERSHIP

It is heartening to once again see our Membership remaining strong as companies renew their faith in QPANI and what we are doing to protect the license to operate for everyone. If you are reading this and you are not a QPANI member and want to help in the work to grow our industry, make it profitable and an attractive career opportunity and have it valued by everyone in Northern Ireland, then please contact Fiona or myself to get details about the benefits of full or affiliate membership.

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It's a sell out at Hillhead 2016

Demand for the 2016 Hillhead event has been buoyant with every square metre now allocated, including a new outdoor area at the southern end of the site and an extended Registration Pavilion.

More than 460 exhibitors will attend, with all the major industry players returning as well as some exciting new companies for 2016.

More live demonstrations than ever before are also planned and will span four dedicated areas.

The Quarry Face will host large excavators and faceshovelers (40+ tonnes), hydraulic breakers, large wheel loaders (buckets of 4 cubic metres and above) and rigid and articulated dumptrucks. Leading suppliers featured will include Volvo, Caterpillar, JCB, Bell, Doosan, Hyundai, Liebherr, Komatsu, Miller, Case, Worsley Plant, Hitachi and Terex Trucks.

The Rock Processing area operated in the ever-popular 'crusher alley' will showcase the latest tracked and skid-mounted crushers, screens, scalping grids and stockpiling

conveyors from manufacturers including Terex Finlay, Sandvik, Powerscreen, Tesab, QM&S and McCloskey.

The Recycling area to the south of the site will show a range of crushing, shredding, screening and washing equipment, using material imported on to the site including general C&D waste, reject concrete blocks, waste asphalt and brick rubble. Among others, Haulmark, Maximus, Baughans, Herbst, Warwick Ward and Engcon will demonstrate their latest equipment alongside JCB.

The Registration area will combine both rock processing and recycling demonstrations. Highlights will include the MDS International heavy-duty M515 tracked trommel (50 tonnes), together with various excavators, crushers and screens from Red Rhino Crushers, Rockster, CGCS, Global Construction Plant, SMP Parts, Buntions, Sany (TDL Equipment) and many others.

The show takes place from 28–30 June 2016 at Tarmac's Hillhead Quarry, near Buxton, Derbyshire, UK. It is free to visit, just pre-register at www.hillhead.com



Northern Ireland showcases world-class materials handling excellence

Northern Ireland has its largest representation ever at Hillhead this year with nineteen companies exhibiting on the stand organised by Invest Northern Ireland and a further twenty-three companies exhibiting independently.

This strong presence will again reinforce Northern Ireland's position as a global centre of excellence for the design and manufacture of materials handling equipment.

The region has one of the world's most successful clusters of engineering companies developing innovative solutions. Machinery manufactured in Northern Ireland is sold to customers in over 100 countries with applications as diverse as iron ore mining in India, road construction in Peru, diamond exploration in South Africa and sand washing in the Arabian Gulf.

The sector employs more than 4,000 people in over 100 companies. These companies have been operating successfully in Northern Ireland for many years, supported by a comprehensive and competitive supply chain. The region has a resource of skills, knowledge and experience in materials handling which encourages and facilitates market-led innovation.

Some of these supply chain companies are represented on the Northern Ireland stand and include Blackrock Manufacturing, Crushing Screening Parts, Euro Springs, Pneutrol International,

Spectrum Engineering, Northern Crusher Spares, McQuaid Engineering, Smiley Monroe and Vulcan Burners.

CONSTANTLY INNOVATING

Materials handling applications include machinery for the processing of waste streams from domestic, industrial and construction/demolition sources. This has led to the refinement and extension of traditional mobile crushing and screening products made by companies like Anaconda Equipment International; Irish Manufacturing Services; Maximus Crushing & Screening; McCloskey International; Sandvik; Terex with its Finlay and Powerscreen brands; and Tesab, into specialist machinery for size reduction and materials separation.

Companies such as EDGE Innovate, Environmental Marketing Solutions, Metberg and Ultra Plant are developing new products and systems for the processing of waste. Sand and aggregate washing plant is another specialist area for Northern Ireland with Bruce Engineering, CDE Global and Terex Washing Systems, all are market leaders in this area.

Mobile concrete batching systems is another growth area which is being led by companies such as McCrory Engineering and Rapid International, and the manufacture of block making machinery has long been associated with Northern Ireland. Companies such as McGirr Engineering

will be showcasing some innovative products on the Northern Ireland stand.

INVEST NI SUPPORT

Invest NI supports the sector through a variety of measures including support with research and development and training and recruitment.

Invest NI client companies can enter and develop global markets by taking part on Northern Ireland group stands at a range of events including Bauma in Germany and Conexpo in the USA. They may also take part on trade missions across markets as diverse as Russia, Chile, South Africa, Middle East and India.

To find out more about Northern Ireland's sector capability and how Invest NI can help your business, visit the Northern Ireland stand located at C18, C20-31, E4-10 and E19.

NI EXHIBITOR LIST

Anaconda Equipment International, Blackrock Mfg Ltd, Bruce Engineering, Crushing Screening Parts, EDGE Innovate NI Ltd, Environmental Marketing Solutions Ltd, Euro Springs Ltd, Irish Manufacturing Services Ltd, Maximus Crushing & Screening Ltd, McCrory Engineering, McGirr Engineering, McQuaid Engineering, Metberg Ltd, Northern Crusher Spares Ltd, Pneutrol International Ltd, Smiley Monroe Ltd, Spectrum Engineering, Ultra Plant, Vulcan Burners.



QC25-30H - Hydraulic Coupler

Geith To Present New Attachments

Geith will present its smallest hydraulic coupler; the QC25-30H is suitable for excavators from 1 to 2 tons, with pin diameters from 25 to 30mm. It completes the hydraulic quick hitch family with now 17 models to best fit machines from 1t to 85t.

Using simple and proven technology, Geith's unique design has no greasing requirements, less maintenance and replacement parts which guarantee you a hassle free coupler. In addition, Geith offer a 3 year warranty on all couplers which proves confidence in our knowhow.

Gerry Kealy, Sales Manager, confirmed that there was a growing demand from UK customers, but not only, for such a small hydraulic coupler. Australia – where Geith sales exploded over the past 3 years – also raised interest for such a small coupler. Actually, Komatsu-Australia is testing the first units produced.

Tony McKeown, Head of Engineering at Geith, said: "We are proud of what we have achieved in developing this unique hydraulic

coupler, which demonstrate our commitment in offering our customers only the very best."

Geith will also present its new Quick Hitch Audio Warning System which further improves construction site safety. The new warning system notifies job sites workers in the vicinity of the machine that an attachment changeover is in progress. Thanks to this new alarm system they will be giving early warning to stay clear of the risk area.

In Addition, Geith will also launch a New Extreme Rock Duty Bucket with additional internal wear straps and 700BHN Heel Pads for heavier and aggressive digging. A wide selection of widths and capacity allows maximising productivity and efficiency. Customers can even select their tooth option based on ground condition or preference.

An impressive Heavy Duty Ripper suitable for 38-52t excavators will be another highlight from Geith stand. The Geith coupler, bucket and ripper combination allows excavators to change from ripping to loading in less than 30 seconds.

Ground Engaging Tools from Con Mech Engineers

Con Mech Engineers, who manufacture and supply Ground Engaging Tools in the form of cutting edges and wear parts for the mining and construction industry, are also looking forward to the show.

It manufactures for OEM's and for its own branded "Blademaster" range, which is available in a choice of both standard and heavy duty versions to match the demands of the customers working environment.



The company supply rolled bevel profiles for base edges or reversible bolt on edges, segments, hot cupped end bits, grader edges, overlays, half arrow sections, spade edges to match OEM machines or bespoke. All material is guaranteed 430-530 Brinell Hardness.

E-Series "Evolves" with unveiling of Bell Equipment's B60e

Bell Equipment's E-Series has evolved and Hillhead 2016 will see the UK preview of the latest addition to the range, the ground-breaking B60E.

Originally introduced as a concept in 2013, the B60D has proven itself as a unique solution capable of moving large volumes of material in all weather conditions, in a market segment that was previously only contested by rigid trucks. The B60E is the next generation – a 4x4 with full articulation steering and oscillation joint, which keeps all four wheels on the ground and fully utilises the traction available, meaning it has more off-road capability than any other conventional rigid truck.

Powered by the latest Mercedes Benz engine, the B60E continues the Bell tradition of offering the lowest cost per tonne machines on the market, with an economical drivetrain that delivers significantly lower fuel consumption than a traditional rigid truck.

However, the B60E's real talent is in adverse weather conditions. Rain and excess water can greatly affect traction and while many rigid trucks

do not have the capability to cope in these conditions, the B60E, with its all wheel traction, can continue to work safely with no loss in production.

Additionally, less ground maintenance at the load and dump sites, traditionally required to prevent rigid trucks from getting stuck, will save both time and money.

Alongside the B60E, Bell will also be showcasing its B25E, B30E, B40E and B50E. The next generation in Articulated Dump Truck design and technology, the E-series presents an evolution that builds upon the proven legacy of the successful D-series, in order to deliver increased production payloads, lower daily operating costs, superior ride quality and uncompromised safety standards.

Several wheeled loaders will also be on stand V1, where Bell Equipment will be showcasing a number of features designed to minimise downtime and improve performance, including QuadCool, the company's industry-leading cooling system that is unique to Bell Loaders in the UK, as well as the highest "as standard" specification of any wheeled loader in the market.



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Two New Machines from Liebherr Make Show Debut

Liebherr GB will have a range of earthmoving, cranes and concrete technology products on show, including the PR 726 dozer and L566 XPower Wheel Loader.

The latest XPower® large wheel loaders with emission Stage IV / Tier 4f represent a milestone



in the technological history of Liebherr wheel loaders.

Due to the wide range of innovations, such as the power-split driveline installed as standard, Liebherr has subjected its new wheel loader generation to much tougher, more thorough and more extensive testing than ever before.

Important main components, such as the innovative XPower® driveline and the larger axles, were found to be particularly durable in testing over 70,000 operating hours. The load programme in the test phases included traditional back loading as well as customer-specific special operations.

Liebherr deployed the XPower® test wheel loaders in various quarries, recycling businesses and sawmills. The machines have

also been involved in loading slag in a steel plant and coal in a harbour. The positive test results demonstrate that the efforts made by Liebherr to combine fuel efficiency, high performance, durability and comfort in a single wheel loader have achieved their goal over the long term.

CRAWLER TRACTOR

Meanwhile, Liebherr has extended its crawler tractor series to include the PR 726 Litronic. The series now totals four models with operating weights of approximately 16 tonnes to 41 tonnes, which comply with the emissions standards of Stage IV / Tier 4f.

This new Liebherr PR 726 Litronic crawler tractor offers an operating weight of 16,000 kg to 19,800 kg and its Liebherr diesel engine returns 120 kW / 163 HP.

As with all generation 6 tractors, the new PR 726 Litronic also features an electronically-controlled drive management system with integrated ECO function. This makes it possible for the operator to select between high performance and maximum economy. The ECO control system here enables even greater travel drive efficiency in light to medium-duty operations.

The proactive power control is another 6th generation innovation. This involves the detection of various machine parameters and if required results in an automatic increase of the engine output. As well as responding more rapidly, the machines offer a tangible increase in pushing performance and dynamic response.

This hydrostatic drive keeps the engine speed at a constant level. All drive train components and the intelligent Liebherr engine management are optimally adapted to this speed, which makes a significant contribution to reduced fuel consumption.

Wide Range of New Doosan & Bobcat Equipment

Doosan Bobcat EMEA will be showing a wide range of new generation products from the company's Doosan Heavy, Doosan Portable Power and Bobcat ranges for the first time at the Hillhead Exhibition.

This includes the first showing of the flagship DX530LC-5 52 tonne Stage IV compliant excavator, where the phenomenal stability and very wide digging platform are combined with the best in class lifting capacities over both the front and side, with the lifting capacity over the side being increased by an impressive 12%.

Doosan will also show the new DX255LC-5 25 tonne crawler excavator for the first time at Hillhead. Whilst overall dimensions are very similar to the previous DX255LC-3 model, the DX255LC-5 Stage IV excavator combines greater power with a 500 kg increase in operating weight, resulting in increases of up to 17% in lifting capacities over both the front and side and a 1 dBA reduction in sound levels.

The top-of-the-range DL550-5 wheel loader will be demonstrated for the first time in the UK. Like the DX530LC-5, it

is powered by the Scania DC13 engine, which provides generous torque at low rpm, up to a 10% reduction in fuel consumption, excellent response and meets Stage IV emission regulations without the need of a diesel particulate filter.

PORTABLE POWER

The show will provide a platform for the market-leading ranges of portable compressors, generators and mobile lighting systems from Doosan Portable Power. Alongside the 7/41G Tough Top generator-compressor and the Stage IIIA compliant G100-IIIA generator, the company will be showing the new 12/254 portable compressor for the first time at Hillhead.

BOBCAT COMPACT

The product display will also include the latest from the Bobcat ranges of micro- and mini-excavators, skid-steer loaders, compact tracked loaders and attachments. Among the products on show are the T450 and T590 compact tracked loaders and the E10 and E26 excavators. Filling the gap in the range between the T110 and T590 models, this is the first appearance of the



T450 at Hillhead. Manufactured at the Bobcat plant in Dobruška in the Czech Republic, the T450 offers a massive increase in power combined with hydraulic and hydrostatic efficiency improvements that translate into significantly increased productivity.

Ideal for work in tight space applications such as recovering materials that drop under bulk handling conveyor systems in quarries and mines, the T450 is powered by the Bobcat D24 45.5 kW (61 HP) turbocharged diesel engine, providing 25% more power than its predecessor, the T140 model, ensuring the T450 has the best performance and engine power to weight ratio in its class.

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BERGMANN DUMPERS | NEW FOR 2016

We are pleased to announce Bergmann GmbH are releasing three new models, available Autumn/Winter 2016. The 3000 & 4000 models for 2016 will be equipped with a new ergonomically designed cab and optional swivel-seat superstructure to allow a larger field of vision and a safer driving position as the dumper can become rear-tip or forward-tip simply by turning the seat. Further highlights include air conditioning as standard and improved driver comfort. R Bunton Ltd are exhibiting all 3 models including the 2060plus at the acclaimed Hillhead 2016, with two demonstration machines for your viewing.



In just two years Waitings Drainage have added two 4010HK tracked dumpers to their fleet. Adrian Ash, Operations Director said they are very pleased with the performance, usability and quality of the dumpers. Furthermore, Adrian praised the purchase and after sales experience provided by Bunttons. We look forward to the future with Waitings Drainage.



Powerscreen Celebrate 50 Years Powering The Crushing & Screening Industry



Powerscreen will celebrate 50 years in business this year. Established in 1966, the company has gone from strength to strength and maintains its reputation as one of the biggest and the best in the crushing and screening industry.

To celebrate their success and this landmark anniversary, Powerscreen will launch celebrations at the Hillhead Exhibition.

Colin Clements, Global Product Line Director said, "Powerscreen have been providing the crushing and screening industry with high quality, innovative products for over 50 years and we are excited to celebrate that success with those who matter - our distributors and customers.

"By kicking off the celebrations at Hillhead, we will be able to showcase new and revamped equipment with live working demonstrations. We have then invited those who have helped

us make Powerscreen what it is today, back to Northern Ireland where it all began.

"I have no doubt the celebrations will be exceptional and will show Powerscreen for what it is, a global leader with passion and power."

Powerscreen will be at stand L10 at Hillhead and will showcase an array of existing and newly released products with live demonstrations in the working display area, as well as showcase machines on its booth.

SKF to demonstrate staff productivity boosting innovations

SKF will be demonstrating how to maximise staff productivity through optimum asset reliability in the quarrying sector. Visitors will see how the innovative solutions on display have been developed to increase the availability of machinery and reduce maintenance in some of the toughest of industrial environments.

On show will be the SKF Three-Barrier Solution that extends machine service life and reduces maintenance overheads, and reduces the quantity of grease needed to purge contamination. The cost-effective solution consists of a bearing housing, labyrinth S-seals (or SKF Taconite Seals for ultimate protection) and a specially

formulated lubricant which acts as a contamination barrier. Furthermore, as the three-barrier solution features a sealed SKF Explorer spherical roller bearing – which will also be at Hillhead – the technology delivers superior operating performance that lasts significantly longer in contaminated environments compared with competing products.

Among the other market-leading innovations on display at Hillhead will be solutions specifically developed to reduce machinery repair time and costs.

SKF will also present its electric motor test equipment, designed to predict issues for optimal asset reliability. Its static and dynamic motor analysis capabilities can detect a



number of potential electrical and mechanical issues leading to significant savings and reduced unexpected premature failures.

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Hyundai shows the new HX and HL range of machines



The Hyundai Heavy Industries Europe stand will feature eleven machines including models from the new HX range of excavators and the new HL range of wheeled loaders.

Hyundai is also planning live demonstrations in the quarry face demo area of the 52 tonne HX520L crawler excavator and the new 31 tonne HL980 wheeled loader, which made its debut at this year's Bauma exhibition.

One of the most important innovations on the new HX series is the new and larger 8 inch touchscreen monitor – the cluster monitor displays information which mirrors what you would see on your smart phone and is 30% larger than previous models. It's also easy to read and the main view of the screen can be adjusted according to the preferences of the driver. It can be controlled via touch control and/or new haptic controller.

The new HX range is fitted with an ECO Gauge which enables the economic operation of the machines.

Safety is a key design element for the new HL Series. For added safety when getting on and off the machine or for inspection and maintenance, Hyundai's new wheel loaders are equipped with large access steps to the cab, convenient grab handles and upper guard rails near the engine compartment. The larger cab improves cab entry and exit. Ergonomically positioned operator switches, controls and other features make it easier to quickly access critical functions.

Additional features on the new wheel loaders include an improved rear view camera that delivers higher resolution and enhanced night time visibility.

Also on the HHIE stand will be examples of the -9A models including the R17Z-9A, R25Z-9A and the R80CR-9A crawler excavators. The latest HL models of wheeled loaders will also be on show including the 18 tonne HL960 and the new 23.5 tonne HL970 which was launched at Bauma earlier this year.



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A & Y Equipment Ltd

Atlas Copco launch new compressors and paver

From the new Series 8 range of portable compressors to the latest Dynapac CityPaver, Atlas Copco will unveil a range of versatile and cost effective new construction equipment.



New additions to Atlas Copco's comprehensive range of construction equipment, on show for the first time in the UK, will include the new Series 8 portable compressor. Weighing in at under 750Kg across the range, the Series 8 sets new standards in almost every category, from size and weight to efficiency and performance. It also features the latest iteration of the polyethylene HardHat canopy, which is lighter and more durable than traditional metal canopies.

The new Dynapac SD1800 CityPaver combines a tight turning circle with the popular features of its SD2500 big brother making it ideal for repairs in narrow streets and tight working areas.

Other new ranges on show include HiLight towers which use LEDs to reduce energy consumption without compromising light coverage. And the latest handheld pneumatic RTEX breakers that offer significant reductions in energy consumption and weigh 25% less than their equivalents, without compromising performance.

Visitors to the show will also see Atlas Copco's portfolio of hydraulic attachments. From the SB202 breaker, suited to 2.5 - 6t carriers to the world's largest volume-reduced hydraulic breaker, the 10t HB10000 suitable for carriers up to 140t. The full range of silent demolition attachments including grapples, pulverisers, crushers, and combi-cutters will be on show.

From the road construction portfolio, the popular Dynapac SD2500WS wheeled paver will be shown alongside the new SD1800W CityPaver. For those finishing touches it will also be showing a range of asphalt rollers and the 13t CA3500 soil roller.

Get 'Connected' With Finning And Sitech

Finning UK & Ireland and its technology partner, SITECH UK & Ireland, will be showcasing brand new machines and new technologies, complete with live demonstrations throughout the show.

In the static display area, new products include the Cat® 730C2 Articulated Truck, the Cat 323FL Excavator Grade with Assist, and the Cat 352FL XE Hydraulic Excavator, equipped with the innovative Cat Adaptive Control System (ACS) valve and Trimble 3D GPS. In the live demonstration area, there will be a Cat 745C Articulated Truck with Caterpillar Production Measurement (CPM) and a Cat D6N LGP with Cat Grade Control technology and Trimble 3D software, plus much more.

Complimenting Caterpillar technology, SITECH UK & Ireland will showcase Trimble's 2D and 3D machine control capabilities, site-positioning software, and provide a live demonstration of its site surveying services.

Kevin Parkes, Managing Director at Finning UK & Ireland: "Our industry is rapidly changing. Technology and data-driven sites are becoming more and more important to our customers' operations."

Hillhead is a great opportunity to showcase how Finning, Caterpillar, SITECH and our partners are working together to deliver performance solutions that help our customers.

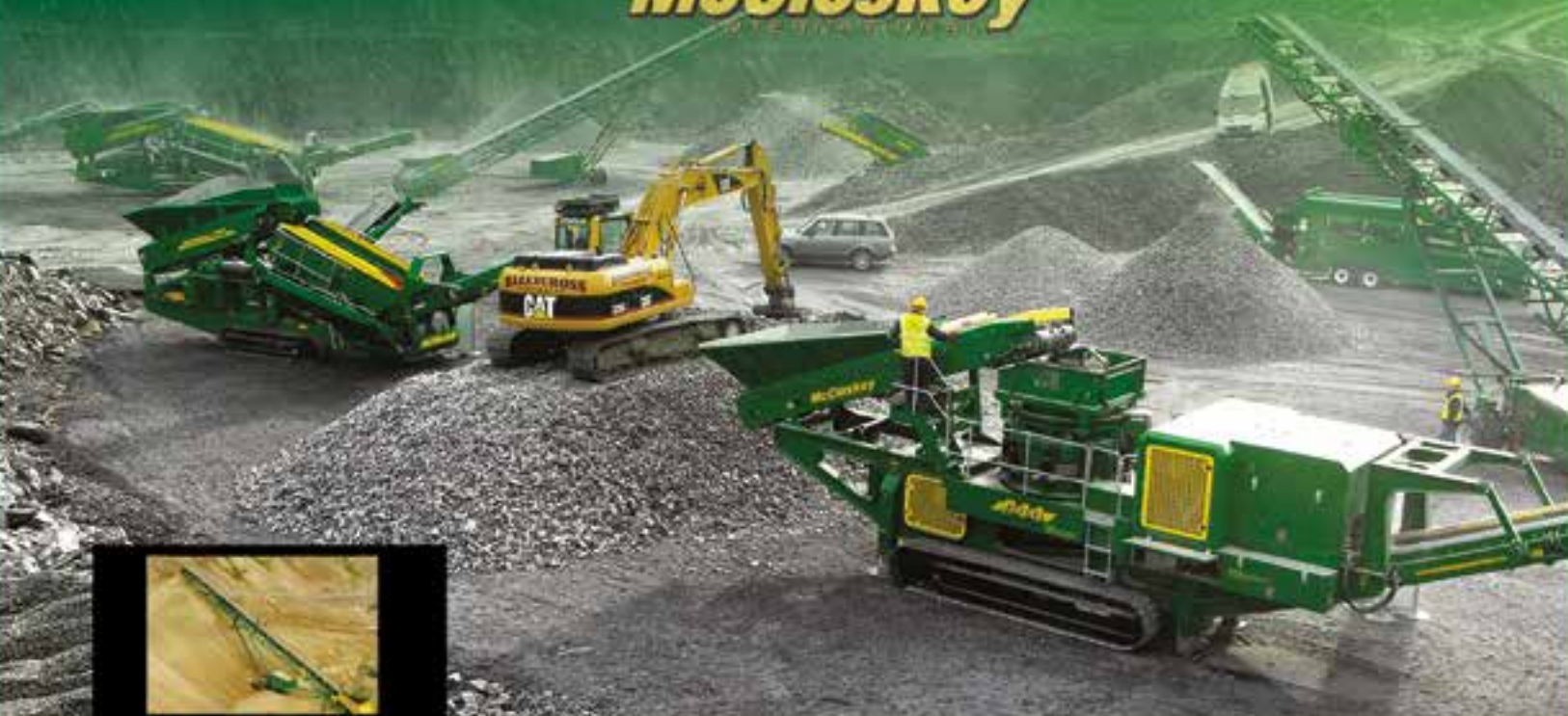
"It's important to emphasize that this is not technology for technology's sake; but an integrated service which helps to solve, and even anticipate customer problems. Alongside the static and demo areas, our stand will provide customers with an interactive experience with touch-screen technology and virtual reality. We want to work together with our customers in creating smarter connections between equipment and assets, aiding productivity, performance and efficiency."



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Topcon Showcases New Machine Control Technology

Topcon GB & Ireland will be demonstrating some of its latest products for excavation and earthwork projects.

At its stand, Z2, Topcon will be showcasing its new GX-55 control box. Featuring a large 6.5 inch sunlight-viewable LCD touchscreen and integrated LED light bars, the control box gives operators the finest visual experience for modern machine control. When used with SiteLink3D software, the

GX-55 allows drivers to share job updates with managers instantly, saving time on projects.

Topcon will be demonstrating a range of other machine control technologies at the event, including:

- GC-35 graphical computer display, specially developed for paving applications,
- MC-i3 and MC-i4 GNSS receivers, featuring rugged casings for use in harsh environments,

- ST-3 sonic tracker, offering precision detection for 2D paving applications,
- TS-i3 sensor, providing precision detection for both 2D and 3D excavators,
- 3D-MCMAX sensor, offering accurate detection for 3D dozer systems,

Topcon will also be demonstrating unmanned aerial system (UAS) technology at the show, including the recently launched Falcon 8, an 8 rotary-

wing. Created to meet the challenges professionals face when working on small-scale sites and in tough environments, the UAS can take off and land in almost any location and is fully operational in extreme weather conditions. It also offers fully-automated flight routes, making it easy to deploy and operate, saving survey team members time on site.

Comprehensive Line Up from CASE

UK customers will get their first chance to see many of CASE Construction Equipment's latest models in action at this year's Hillhead exhibition where the company will be showcasing 19 different models, including four machines from its new D series excavator range fresh from their launch at Bauma in April.

Taking pride of place on the CASE stand will be six machines from the D Series of crawler excavators, including four new models that were unveiled for the first time at Bauma 2016. All D series excavators feature CASE's exceptionally fuel-efficient Tier 4 Final (Stage IV) with its maintenance-free SCR and DOC-only solution which achieve the highest emission standard without the need for a diesel particulate filter

The excavators on display will include the CX210D and CX370D, which were launched as part of the original D series line-up in April 2015. They will be joined by two brand new models at either end of the range: the CX130D and the CX490D. The medium range 14t CX130D has a 78.5 kW (105 hp) engine generating 356Nm of torque, and has a maximum reach of 8.3m and digging depth of 5.5m.

Also on display will be the prototype CX290D MH, a 30t crawler excavator designed specifically for the materials handling market.

CASE will be showing four models from its renowned F Series of wheel loaders including, 621FXT, 821F, 921F and 1121F. All models in this range over 14tonne benefit from Tier 4 Final (Stage IV) emissions

requirements: engines. Visitors to Hillhead will also be able to see the heavy duty 1121F in action in the demonstration area.

Completing CASE's heavy range line-up will be a 2050M crawler dozer, the largest in the CASE lineup. The 20 – 22t 2050M was designed with mass and muscle in mind, and it also makes use of SCR technology to reduce both fuel consumption and time spent on maintenance.

CASE will also be showing an extensive and versatile range of compact equipment ideally suited to urban construction and road building. Among the machines on display will be four compact and mid sized crawler excavators ranging from 2.7t to 8.7t in weight: the CX26B, CX50B, CX75C and CX80C.



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Terex Finlay To Reveal New Product Innovations

Terex Finlay set to unveil three new products at Hillhead 2016 in its largest ever presence at the show.

The company will officially launch the new C-1540 direct drive cone crusher and 674 3-deck inclined screen. It will also preview the new I-140RS impact crusher in advance of its launch in Q3, 2016.

"We are looking forward with excitement to the upcoming Hillhead, 2016. We return to the showcase event for our industry with even more exciting new product introductions and a fantastic story to tell our customers.

"In total we will have 12 machines on display in what will be our largest ever presence at Hillhead. Literally every machine on display at the show is a new product introduction, been recently launched or a preview of another new model," commented Nigel Irvine, Sales and Marketing Director.

"The new C-1540 direct drive cone crusher has been developed to satisfy the requirements of the medium sized owner operator and contract crushers. The machine has been well received at a number of customer preview events and we are pleased with the initial order levels being placed on the factory. We will also be exhibiting our C-1545 cone crusher at the booth. We introduced this machine in late 2015 and have been delighted with the uptake and acceptance from the international market."

Terex Finlay will also be previewing the new I-140RS impact crusher in the main working area in advance of its launch in Q3, 2016. This exciting new machine features an onboard detachable sizing screen and recirculation conveyor for producing a spec'd product. For applications not requiring utilisation of the

recirculation system the conveyor can be slewed into position and used as a stockpile conveyor. Used in this configuration the machine can produce three products from one platform.

The Terex Finlay screener line up is equally impressive and the company will be launching its new 674 inclined screen at Hillhead. This small to mid-size inclined screen has been specifically developed to appeal to the contract crusher and small scale owner-operator looking to produce four specification products from the one platform.

"The 674 inclined screen has been developed to enter new space in the mobile screening market. We're excited by the buzz and interest that has been expressed in this new model and expect it to be a real star of the show."

In addition, Terex Finlay will be showcasing its biggest volume machine, the 883+ heavy duty screener and the recently introduced 873 Spaleck recycling screener – and the company will be 'unleashing the beasts' in the main working area in the form of the J-1480 jaw crusher and recently launched C-1554 cone crusher.

These two heavyweights are sure to be show stoppers during the live working demonstrations with the tonnage of material that they will put on the ground. These large capacity workhorses have consistently been producing up to 800 tph and will be demonstrated showing the production capacity during the show.





New Machines and Attachments from Avant Tecno

Finnish compact machinery specialists Avant Tecno will be exhibiting a full range of their compact four-wheel-drive articulated loaders which are able to access very confined areas, making them suitable for tasks such as clean-up operations around and under conveyor systems.

New on the stand will be an example from the recently introduced revised 200 Series of machines, new LPG machines, new 700 Series machines, and selection of wide range of new attachments.

A variety of new attachments will also be on display from a total selection now well in excess of 150 different items.

Of particular interest to the quarrying industry will be the new rock drill, screening bucket, cutter jaws and new hydraulic breakers – all designed for those difficult to reach jobs. Also AVANT launches a selection of handheld tools for the industry professionals to make these compact machines even more versatile at the jobsite.

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Engcon's New Q-Safe Detachable Quick Hitch

Engcon's Q-Safe system has just got even better with the launch of an all-new version: the Q-Safe Detachable (QSD).

This latest quick hitch innovation, from the market-leading manufacturer of tiltrotators and accessories, allows a new generation of hydraulic cassette-mounted attachments to be used above and alongside hydraulic or regular attachments mounted under the tiltrotator quick hitch.

To launch QSD, Engcon has adapted two of its most popular options - the Gripper and the Sweeper Roller - for use with the new hitch. All three products will be on Engcon's stand at Hillhead

Available in either bolted or quick release models, Engcon's QSD offers all the safety and efficiency benefits of a Q-Safe unit with the added freedom of a detachable attachment function. Heavy-duty carrier hooks combined with a double rear-locking mechanism and automatic hydraulic

connection enable the new QSD hitch to carry additional cassette-mounted hydraulic attachments. The hooks also provide greater safety as they hold the tools in place, even if the locking function were to fail.

As part of the launch of QSD, Engcon has developed two of its most widely-used attachments to work with the new quick hitch. The first, the new Detachable Gripper Cassette (GRD) is simply hooked on the QSD, locked in to place with the hydraulics connected in a matter of minutes. Having a detachable gripper allows working in narrow areas where the rams of a fixed unit might otherwise interfere with obstructions. The gripper is angled at 15 degrees to the body of the tiltrotator to provide a longer reach at full extension. Two versions are available for use with QSD - the GRD10 for S45 systems and GRD20 for S60 systems.

The new Detachable Sweeper Roller Cassette (SWD) is a QSD compatible version of



Engcon's rotating brush ideal for operations such as clearing dirt away from cables or cleaning shuttering piles. Attaching the SWD cassette using the QSD hook and lock system automatically closes the hydraulic circuits, enabling sweeper control through the cabin joystick. As a further benefit, mounting the SWD on the Engcon tiltrotator using the QSD hitch facility leaves the standard Q-Safe hitch free to carry a bucket behind and underneath the sweeper. This provides a useful excavator-sized 'dustpan and brush' arrangement. SWD is offered in a range of widths to suit different applications on site.

Tesab Launch New 700i Jaw Crusher

Tesab will be launching their new 700i Jaw Crusher at Hillhead 2016! Based on the proven 10570, the 700i is a lighter, more streamlined and powerful machine with the ability to produce 400+ TPH!

Designed to be more user friendly, the 700i is now easier to manoeuvre onsite and can be easily transported around various markets due to its new weight and dimensions while still keeping the original Jaw Crushing unit, ensuring it maintains the robustness needed for a Jaw Crusher designed with Contractor use in mind.

With its innovative new design, the 700i is quicker and easier to set up than ever before which dramatically reduces downtime between jobs as it can be ready to go in minutes! It also features hydraulic locking extension cribs, eliminating the need for lifting gear and

improving overall health and safety by eliminating risks during setup.

With a 2 deck independent pre-screen, production costs are reduced as a sized product can be produced on the side belt while the new and improved step deck vibrating feeders allow a higher throughput tonnage, improved material separation quality and the ability to handle dry, damp or wet material - making the 700i a highly versatile Jaw Crusher!

Along with this new product launch, Tesab will have their 800i Jaw Crusher working in the demo area along with a Trackstack 8042T Tracked Stockpiler - giving you a perfect example of a popular Tesab application in action! There will also be a 623CT Impact Crusher and 8042T on display.





Hillhead 2016

See us on Stand D13
at Hillhead, 28 – 30
June 2016



TRANSFORM YOUR EXCAVATOR

The Engcon tiltrotator allows your excavator bucket (or any other attachment) to rotate 360° and tilt 45° - enabling you to do jobs you simply couldn't do before. Rotating the bucket makes tasks like backfilling and offset digging quick and easy. Tilting allows grading to be carried out precisely and in tight spaces.

Now equipped with Q-Safe – the world's safest quick hitch – as standard and with EC-Oil automatic hydraulic coupling as an option, Engcon's full range of attachments can be changed effortlessly without getting out of the cab.

Rotate 360°

The excavator bucket (or other attachment) can rotate limitlessly to excavate exactly where required

Tilt 45°

Tilting the bucket allows accurate graded excavation

Secure

Q-Safe hitch technology prevents dropped attachments

Fast

EC-Oil couplers connect hydraulic attachments automatically from the cab

1.5—32 tons

Tiltrotators for machines weighing 1.5 to 32 tonnes



McCrorry Engineering Make It Six in a Row

McCrorry Engineering, a leading manufacturer in bespoke Concrete Batching Plants, will be exhibiting for the sixth time at Hillhead.

McCrorry Engineering are very unique as they manufacture to the requirements of each individual customer, no matter what the size of the project is.

The company has designed and supplied major businesses in the UK with bespoke and standard plants, including Hanson, Mick George, RJ McLeod, Tarmac, Paterson Quarries, Marshall/ Premier Mortars and many more.

McCrorry's factory is over 60,000 ft.² on 11 acres and houses state-of-the-art machinery for manufacturing. They have their own transport company, which allows them to have total control on deliveries and set up times.

One of their most prolific machines which has burst onto the concrete batching plant scene is their mobile plants which are fully self erecting without the need of crane hire. The plant can be erected and assembled within two hours by just two men and can be producing concrete within four hours of arriving onsite after its calibration.



Come Visit us at Stand C31



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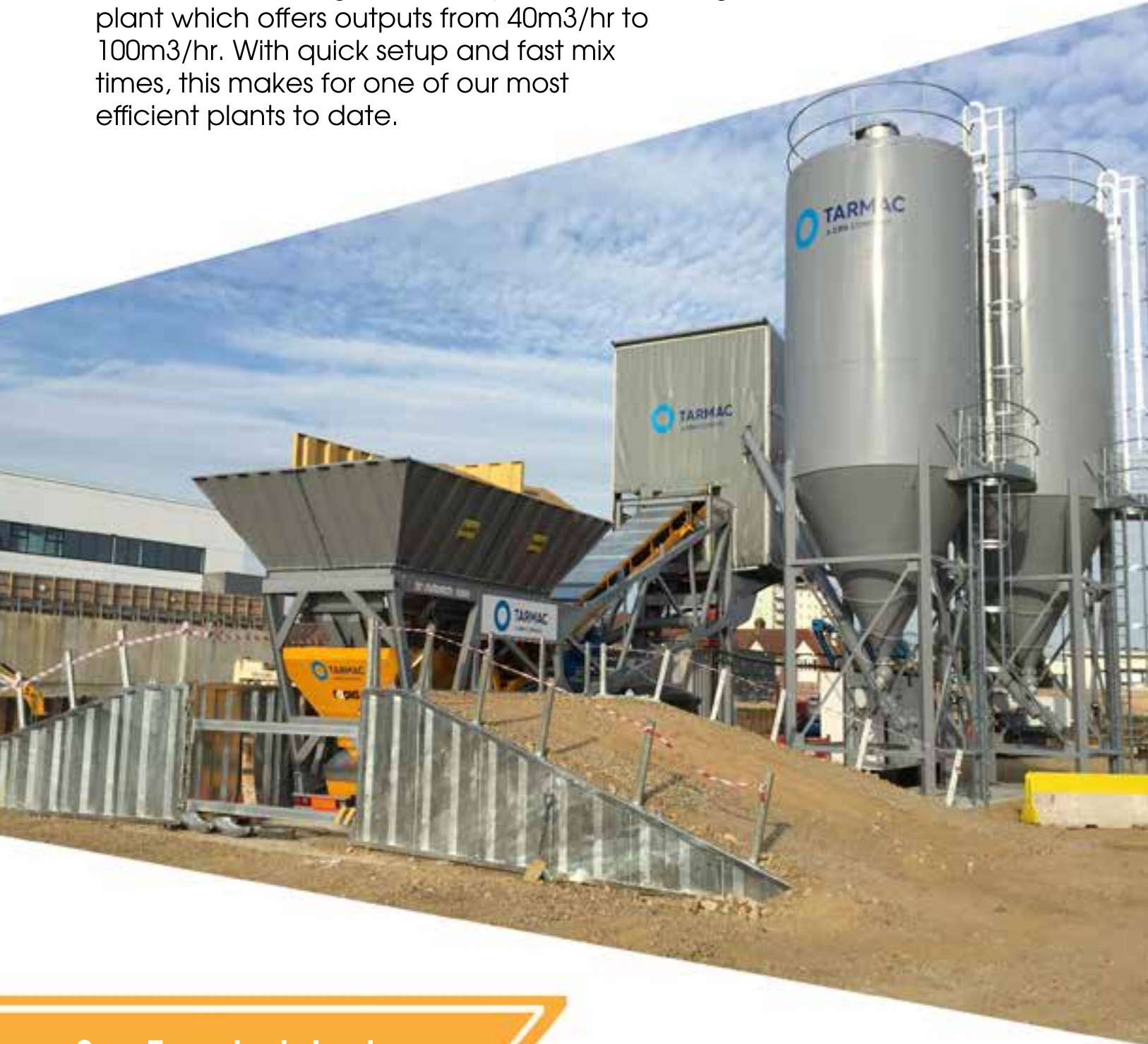
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EDGE Innovate to launch the new MC1400

EDGE Innovate is to premier its new MC1400 track material classifier alongside its popular TRM516 mobile trommel and Slayer XL slow speed shredder at the upcoming Hillhead 2016 exhibition.

EDGE Innovate say the new MC1400 will provide operators with the ability to extract impurities from highly contaminated material in just one pass.

The EDGE track material classifier utilises controlled air flow as a separation medium, and provides the ideal solution for the cleaning of compost and biomass fractions with its ability to separate heavy and mid-weight fractions from lights.

The MC1400 will allow operators to separate up to four different fractions as standard; lights (plastic, paper, film) mid-weight (wood) and heavy fractions (aggregate, glass, etc.). Ferrous metal will be extracted via the overband magnet found on the heavy fraction discharge conveyor with the option of attaching an additional magnet to the mid-weight conveyor. With the capability to accept a larger piece size of up to 400mm (16"), EDGE Innovate states that the MC1400 is not only ideal for organic recycling and biomass fractions but also extracting valuable commodities from construction and demolition waste.

Available as track, semi-trailer or static chassis formats, operators

have the option of selecting a unit with a diesel/hydraulic powerunit, a diesel genset or a direct electric drive. EDGE Innovate says that the MC1400 has been design to be shipped via a 40ft container

with minimal break down needed. Simply track in and track out with limited set-up time required.



Innovation at Work

"Equipment built to work as hard as you do"



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Earthmoving attachments manufacturer, Miller UK is looking forward to exhibiting at Hillhead, rounding up a season of shows across three continents.

Miller will be showcasing its latest product innovations and welcoming visitors to its stand throughout the three days of the show. Miller will be treating delegates to live product demos of both its new hydraulic breaker, as well as its new PowerLatch Tilt coupler.

Visitors will be able to see the power of Miller's hydraulic breaker in action at the quarry face during the show. The new enhanced hydraulic breaker incorporates three key features that set it apart from anything else on the market last year - an innovative top bracket designed to fit multi OEM machines and sizes, a tracker device to prevent loss or theft and an automated lubrication system. Since its launch last summer, it has already had a dramatic impact on efficiency, safety and security at construction sites across the UK.

Miller's new PowerLatch Tilt coupler, which provides 180° tilt functionality, boasts a compact design and unique side-mounted arms reducing the overall height and weight - leading to an increase in productivity. It builds on the proven Miller TwinLock design, with mechanical front and rear locks, and its self-lubricating actuator and low maintenance design saves valuable time on site.

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Anaconda to Debut New DF514 'Tracked Scalping Screen'

Anaconda Equipment International will launch the DF514 Tracked Screener at Hillhead where they will be exhibiting for the fourth time.

The New DF514 is another move up the scale in terms of machine size for Anaconda. The DF514 has a 14' x 5' (4.27M x 1.52M) double deck screenbox, a CAT 4.4 water cooled engine (100HP), belt or apron feeder option, three integral stockpiling conveyors and a crawler track chassis for ease of movement around/off site. The unit has hydraulic folding hopper sides as standard, hydraulic screen angle adjustable from 15-19°, hydraulic screenbox raise/lower for ease of mesh change and wired remote as standard (radio remote optional).

Anaconda will also showcase the FSL100 heavy duty scalping screen which is particularly popular in the UK. The machine is powered by a Deutz 3b TD2.9L4 Engine developing 50kw (67HP). The FSL100 has the longest stockpiling conveyor on the market for this type of scalper and is ideal when working area is limited. Extremely robust, the unit can be used on quarry and recycling applications.



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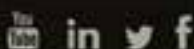


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Sandvik Focus on Crushers and Screens

Sandvik will be taking advantage of Hillhead 2016 to highlight the total solutions nature of its world-leading product ranges.

This year will see a focus on mobile crushers and screens, as well as recent developments from Customer Services. Additionally there are a number of product launches planned, as well as live demonstrations in front of the stand.

The Sandvik product offering provides solutions for virtually any application, and encompasses such diverse businesses areas as surface rock quarrying, excavation, tunnelling, demolition, recycling and civil engineering.

The range of products developed to service these industries includes rock tools, drilling rigs, breakers, tunnelling equipment, crushing and screening machinery, bulk-materials handling systems - in fact

equipment and support to deal with virtually every possible requirement.

What really makes Hillhead exciting and different is the live equipment demonstrations at the quarry face. This year Sandvik will be demonstrating the following mobile crushers and screens: QJ341 jaw crusher with NEW pre-screen; QS331 cone crusher with hanging screen; and QJ241 jaw crusher feeding QA335 Doublescreen.

See what's new in training

Mentor Training are encouraging those involved in sourcing training and qualifications for the quarrying and extractives industries to visit them at Hillhead for the latest updates in best practice guidance and training courses.

Mentor, a leading provider of nationwide operator training on mobile plant, materials handling and access equipment, have recently acquired training, assessment, and apprenticeships provider SERAC UK, enabling them to provide the extractives and mineral processing industry with the complete end-to-end training, qualification and assessment service.

Those visiting the international quarrying and recycling show can find out about the latest products and services on offer to the industry and see plant equipment in action in live demonstrations.

The Mentor team will be on hand to discuss new courses recently introduced under the MPQC Operator Competency Scheme, alongside safety management courses IOSH Managing Safely Forklift Operations and Safely Working with Lift Trucks. Serac also have exciting additions to their portfolio with a new Weighbridge Qualification and additional resource for completing level 2 qualifications.



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STAND C34

Hillhead 2016



Preview

Terex Trucks Debut New ADTs

Terex Trucks is set to pull its weight at the Hillhead show with its Generation 10 TA400 articulated and proven performer TA300 both taking centre stage.

Visitors to the Terex Trucks' stand will be the first in the UK to get a look at the new generation of articulated dump trucks as the company's TA400 takes to the Derbyshire quarry's live demonstration area, while the more established TA300 will be on the company's exhibition stand.

Embodying 65 years of UK-based engineering and manufacturing expertise, the 38 tonne capacity TA400, the largest in Terex Trucks' range of articulated haulers, is more than capable of overcoming the most demanding of conditions for improved performance, while the EU Stage

IV compliant engine means customers benefit from lower emissions, increased fuel efficiency and lower operating costs.

Visitors to the three-day event will also get a chance to see the 27.2 tonne capacity TA300 ADT 'in the iron' on the company's stand. Hailed as the 'smaller cousin' of the 91 tonne capacity TR100 rigid dump truck, the TA300 is a proven performer in the toughest of conditions and, with productivity and efficiency in mind, was designed with operator comfort at the fore.

Terex Trucks will join forces on the stand with its UK dealer TDL Equipment, helping to demonstrate the close working relationship the Tankersley, South Yorkshire-based distributor has with the Motherwell-headquartered Terex Trucks. TDL's experts will be present alongside Terex Trucks specialists throughout the show to explain how the

company is focusing investments in areas that have a positive impact on customers' ability to maximise uptime and production efficiency.

Looking forward to the main event, director and general manager of Terex Trucks, Paul Douglas said, "We're pleased to be back at the UK's premier quarrying, construction and recycling exhibition supporting our dealer, TDL Equipment, at what I'm sure will be a great event.

"The show will be an important opportunity to show customers our latest machines, including the new EU Stage IV compliant, 38 tonne capacity TA400 articulated dump truck," Douglas continued. "We'll also be showcasing our improved customer support and service excellence, alongside a range of Factory Approved parts – not forgetting the 27 tonne capacity TA300."



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Stay Cool and Energy Efficient with KTR

KTR have extended its range of high-performance coolers by adding an energy-efficient series for 24 volt drives. The highlight of the recently developed eco coolers is a continuously variable speed control which adapts the demand for cooling power improving energy efficiently.

At the heart of the new eco series is a specifically developed control unit. It measures the oil inlet temperature by means of a sensor and uses real time data to control the variable speed motor and achieve a more efficient cooling process.

The benefits of the continuously variable speed

control are an optimized energy consumption which contributes significantly to savings in the life cycle costs of the machine.

In addition, it reduces the noise emission many times over, particularly at lower speeds. Subject to the specific usage demands on the motor and fan, the service life of the overall system is increased considerably.

Another special feature is the self-cleaning mode, which can be started at the touch of a button. Upon activation, the rotational direction of the fan is reversed for a 60 seconds period, creating a reversed airflow that cleans the cooling system from dust and dirt.

The electric motors used

are specified according to protection class IP65. The maximum cooling power is 25 kW with a temperature difference of 40 °K. The application range of the new generation includes stationary hydraulics, as well as the high demands of marine hydraulics. The coolers are perfectly suited for those applications retrofitting existing machines with new cooling technology.

The coolers are available in KTR sizes 300, 400, 500 and 600 – sizes 700 and 800 available upon request. The electric motors used are specified according to protection class IP65. The maximum cooling power is 25 kW with a temperature difference of 40 °C.



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Striker, The Little Aussie Innovator

Why would a small Australian crushing and screening manufacturer decide to launch its new range of machines at Hillhead expo in June? The answer is fairly simple. It was a regional decision based on the plans for Striker Australia's expansion into the USA, Middle East and Northern Africa.

With links between the USA, Africa and The Middle East all pointing back to the home of track mounted crushing and screening industry, the UK, with notably 90% of the manufacturers firmly positioned in Northern Ireland, Striker decided that launching a new machine and a new range at Hillhead instead of Bauma made sense.

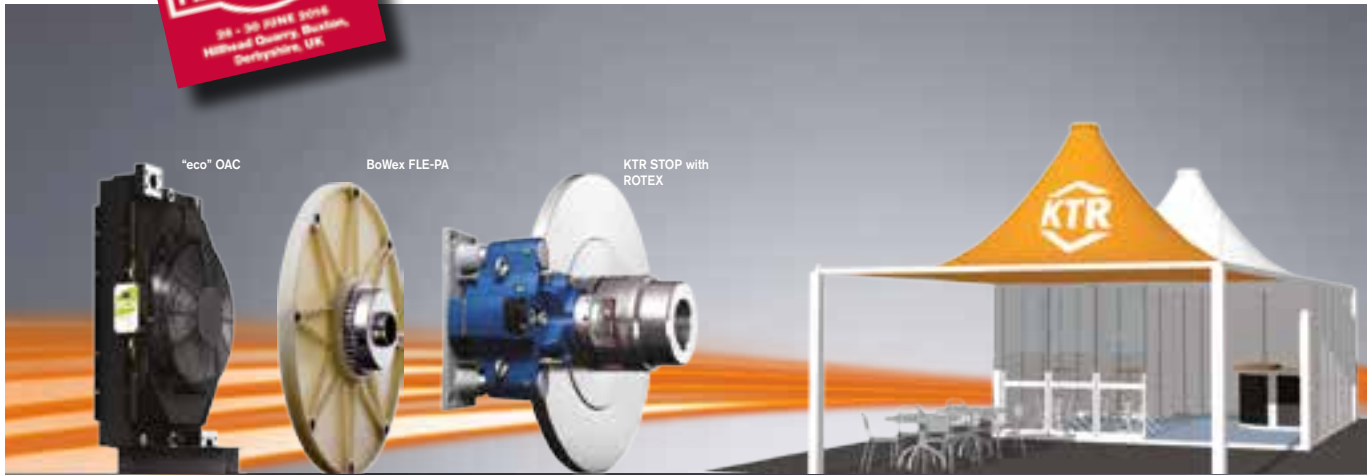
Striker have never been ones to fit to the traditional mould of what a crusher and screen supplier looks or operates like. Also, as it has never attended a trade show outside of Australasia in the past 20 years, Striker thought it was time to showcase the product

that had been nearly 20 years in the making. Striker aim to showcase what makes its product excel in the harsh environment of the Australian outback.

At the Hillhead, Striker will be unveiling the all new USA range of machines, these were designed and manufactured based on the standard Striker International range of machines, but had a few tweaks to them to ensure the clients in the US got a tough machine that was customised to their requirements.

The H3000R is the baby of the impactor range and was designed for the small quarry contractor or the recycling contractor and can be used as a single pass machine or a closed circuit machine.

Also on the stand this year Striker Australia will have a J series jaw and a HD series impactor box, both these units were designed by Striker Australia primarily for the track machines, but have been installed in many fixed and portable plant operations around Asia and Australia over the past 15 years.



Under the Orange Top!

Stop by stand V15 for a free burger and refreshments, and see the latest power transmission solutions for mobile diesel applications. KTR manufacture shaft-to-shaft and flywheel couplings for diesel hydraulic connections, single and multi-media air blast coolers, as well as a range of hydraulic and electro-mechanical brakes for industrial applications.

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New Style Tipper from Gleeson

Early last year, Gleeson Truck Bodies, a subsidiary of Gleeson Steel & Engineering Ltd, introduced a new style tipper body into the UK and Irish markets.

This is a European design, using a bolt together technique, which makes for quick and easy assembly. This also makes maintenance and repair much simpler, as these can be done in far less time and at far lower cost than repairs to the traditional welded bodies. It minimises the time that a truck needs to be taken out of service.

At both the Tip-Ex show and the Hillhead show, Gleeson will be showing its E100 half pipe, single skin tipper body. This is a full Hardox body, complete with a 5mm floor, 4 mm sides, headboard and tailboard and an automatic tailboard. The top rail is 5mm and is profiled to ensure its strength. The body comes with a sub-frame as standard. The top lifting ram used increases stability when tipping.



The contoured body is designed to optimize material discharge and allows for bulk material centering. The bolt together technology used eliminates the risk of weld fracture and fatigue.

All Gleeson tipping bodies are finished to the highest standard, each body being shot blasted, primed and finished to either single pack or two pack Polyurethane paint finish. All RAL colours and colour matching are available to customers.

Weigh systems, electric front to back covers, tool boxes and many other options are available as add-on features to the E100 body.

The E100 is supplied into the market with a three year structural warranty on both the body and the tipping gear.

Gleeson also offer a full range of traditional welded bodies, grab bodies and smaller tipper bodies in the 3.5 tonne and 7.5 tonne truck range, some of which will be on show at both the Tip-Ex show and the Hillhead show.



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Clean Up With Dynaset's Latest High Pressure Street Washing Unit

Dynaset has launched a new KPL High Pressure Street Washing Unit just in time for the annual Spring street cleaning operations.

Available from Irish distributors Moreway Ltd., the new KPL range includes models with one to four plastic water tanks, the largest capable of holding up to 1120 litres and all are equipped with familiar and powerful HPW high pressure water pumps.

The new KPL units are designed to last longer than carrier machines. When a carrier machine is in need of renewal or maintenance, the new KPL unit is easy to attach to another carrier machine with a quick coupling; Dynaset provides quick couplings for almost every manufacturers' adaptors.

The new street washing units are equipped with washing pipe turning units available with hydraulic and electrical controls. By turning the street washing pipe, dirt is easy to wash near walls and pavements.

All street washing units come with a washing pistol and a 20m hose reel, which means entrances to buildings, corners and other tight spaces can be cleaned effectively and easily. Statues, park benches, road signs etc. can also be washed without prior arrangements with handy washing pistol.

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Introducing the new Menzi-Master

The UK and Irish dealer for the Menzi-Muck range of excavators, Kendal based Exc@v8, has recently launched the new M515 Menzi-Master 15 tonne crawler excavator into the home markets.

The range of Swiss made excavators have traditionally been based around a wheeled chassis offering unparalleled off-road ability but in response to clients' requests, Exc@v8 and the Menzi factory have developed two tracked versions, the M510 and the M515.

The M515, depending on specification can weigh up to 14.5 tonnes and sits on a pair of 3.8m long tracks with a multi-positional, width adjustable undercarriage which takes the track gauge from

2500mm to a maximum 3500mm when running on 600mm track pads.

Unlike a standard extending undercarriage, the Menzi-Master is able to extend each track individually in order to offer full over the side lifting capabilities whilst still retaining a small a footprint. The undercarriage comes complete with a sturdy dozer blade with a 40-degree movement both up and down allowing it to steady the machine even on the steepest of slopes. The connection between the undercarriage and upper-structure is an over engineered slew-ring, the size of which is more commonly found on a 20 tonne machine.

Bearing more of a size resemblance to that of an 8-10t excavator, the upper-structure of the M515 is

taken from that of the best-selling M5 series of wheeled excavators. Powered by a class-leading 157hp Deutz 4-cylinder diesel engine which meets current European Tier4 interim emissions regulations the M515 may be the most powerful in its class but still remains amongst the most frugal with average fuel burn figures of 8-10 litres an hour.

The large, tilting, fully glazed cab offers unrivalled vision for the operator. All controls fall easily to hand with fully adjustable joysticks capable of being programmed to suit specific operations or operator requirements. Storage space is not compromised with ample room behind the air suspended operator's seat.

John Walls Back on the Team at McCormick Macnaughton & Sons

Irish Sany distributor McCormick Macnaughton & Sons has appointed John Walls as Area Manager for the Ulster region.

No stranger to the industry, John previously worked with McCormick Macnaughton for over 20 years before going it alone to deal in used equipment.

Now with the Sany range of excavators and cranes growing across Ireland and with the recession confined to the past, John says he felt comfortable and confident in accepting the offer of a new role at Lisburn based McCormick Macnaughton & Sons.

Robert Macnaughton is delighted to have John back in the team. "We always got on well in the past and he is very well liked and appreciated by customers for both his approach to business and his extensive knowledge of the industry."

John describes Sany as an excellent product and says that with new mid to heavy machines, and a range of mini and zero tail swing excavators added to the Sany portfolio there is great potential to further grow the brand in Northern Ireland.



John Walls rejoins McCormick Macnaughton & Sons.

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Plant Hire Company of the Year

This Award will be presented to the organisation which offers an extensive portfolio of high quality products, flexible hire options, and respected customer service policies. Entrants should outline how their company provides a level of plant hire expertise that puts them ahead of the competition, eg: product knowledge, distribution network, prompt delivery and collection, equipment options, cost effective hiring and any unique services available. Customer testimonies may also be submitted.

Leica
Geosystems

innovate ni

sponsored by



Innovation of the Year

This category is open to all civil engineering, construction and quarrying companies who have introduced, created or invested within their operations innovative solutions that make their activities more efficient, more profitable and more successful. The innovation can range from the latest equipment and facilities to cutting edge technology or environmental solutions.

sponsor to be confirmed



Construction Project of the Year

This award is for the company, team or individual who has demonstrated exceptional skills, expertise, design and innovation on a construction project, be it a building, a road, a utility facility or any other similar undertaking throughout the island of Ireland, Great Britain or worldwide.

Close Brothers
Commercial Finance

sponsored by



Construction Company of the Year

This Award will be presented to the company or organisation who has demonstrated over the past year involvement with major or specialist projects throughout the island of Ireland, Great Britain or worldwide which illustrate high levels of skill within project management, innovation, specialist projects.

Customer testimonies may also be submitted.

 **SCANIA**

sponsored by



Tipper Operator of the Year

This Award will be presented to the company operating a fleet of tippers dedicated to the construction, quarry and civil engineering sectors. Judges will be looking for a high quality fleet of well-maintained vehicles operating within strict health and safety programmes, offering a wide portfolio of services and a high standard of vehicle maintenance. Customer testimonies may be provided.

DAF

sponsored by



Tipper Driver of the Year

This award will be presented to the tipper driver who can demonstrate a high standard of driving skills, on and off road, who has an excellent driving and health & safety record and who is dedicated to the industry.

 **TEREX** | **FINLAY**

 **Ormonde
machinery**
material processing solutions

sponsored by



Hardrock Quarry of the Year

This Award will be presented to the individual working quarry which demonstrates safe working practices, the highest levels of pollution control, sustainability, biodiversity, operational efficiency, dedication to environmental issues, strong portfolio products and services provided. Customer testimonies may also be submitted.

sponsor to be confirmed



Hardrock Quarry Manager of the Year

This Award will be presented to the individual working within the quarry sector in a dedicated quarry management team. He or she must demonstrate attention to safe working practice; clear management skills; pollution control, sustainability, biodiversity; examples of working under unique conditions; health and safety practices; and submit details of what makes this individual outstanding in his or her field. Customer testimonies may also be submitted. Nominations and entries are expected from individual Quarry Managers and quarry customers.

SO HOW DO YOU ENTER?

IT'S NOT AS COMPLICATED AS YOU MIGHT THINK. IN FACT, OUR ADVICE AS ALWAYS IS: KEEP IT SIMPLE

Here are some points to consider:

The Award categories require short entries stating why you believe your company should win.

Your entry will not be judged on presentation, but make sure it is easy for the judges to readily locate the necessary information.

Any factual information, such as operational, service, financial or personal details, to back up any claims expressed in your entry should be clearly and concisely laid out.

You don't have to be a big concern to enter. You could be an individual, a company with less than 10 employees or a large national/international outfit. You will be judged on merit, not size.

The judges are looking for excellence, outstanding qualities or contributions, unrivalled service and innovation, individuals and organisations who have gone the extra mile – so demonstrate all of that in your entry; make it stand out from the rest!

If you have faced any difficulties or obstacles in achieving your goals, make sure you note it on your entry.

If you need to provide any additional information to support your entry, keep it as brief and to the point as possible. Feel free to send customer testimonies to support your entries.

ALL ENTRIES/NOMINATIONS SHOULD BE RECEIVED BY 16TH SEPTEMBER 2016

THE CATEGORIES ARE AS FOLLOWS: Tick the categories you wish to enter

sponsor to be confirmed



Sand and Gravel Quarry Manager of the Year

This award is given to the sand and gravel quarry manager who has demonstrated attention to health & safety issues, clear management skills and techniques, pollution control and prevention, biodiversity and sustainability. Examples can be given of working under extreme or unusual conditions, together with details of what makes this individual outstanding in his/her field.

sponsor to be confirmed



Sand and Gravel Quarry of the Year

This award will be presented to the individual working sand and gravel quarry which demonstrates safe working practices, the highest levels of pollution control and prevention, sustainability and biodiversity, together with operational efficiency, dedication to environmental issues, a good product portfolio and range of services.



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Student of the Year

This category is open to students working in a civil engineering environment or other associated activities within the construction sector. The winning student must demonstrate a high degree of dedication and commitment to the industry, outlining why he or she chose this particular career path and detailing their current and future goals. Employer references can be included in this entry.



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Civil Engineering Company of the Year

This Award will be presented to the organisation who can report on successful involvement within a wide variety of civil engineering projects including planning, construction and maintenance of fixed structures or public works throughout the island of Ireland, Great Britain, or worldwide. The information provided should demonstrate high levels of skill within project management, procurement, innovation and specialist projects. Customer testimonies may also be submitted.



sponsored by



Health & Safety Award

This Award will be presented to the company who demonstrates best health and safety management practices in the plant, quarry and construction industries. The company must have implemented detailed health and safety measures that incorporate a high level of management and workforce involvement. The company must demonstrate how it assigns H&S responsibilities and maintains competence across its organisation. Customer testimonies may also be submitted.

sponsor to be confirmed



Heavy Haulage Operator of the Year

This Award will be presented to the heavy haulier who has operated consistently and efficiently as a significant part of the industry infrastructure, moving heavy plant, machinery and abnormal loads throughout the island of Ireland and beyond. Details of unusual contracts and how they were successfully completed and demonstrate high levels of planning and co-operation with the relevant public authorities. Customer testimonies can be included in this entry.



sponsored by



Specialist Contractor of the Year

This category is open to contractors involved in any sector of the industry, including Civil Engineering, Highways, Quarrying, Utilities, Construction and Groundworks.

The award will be presented to the contractor who has successfully demonstrated or employed specialist, individual, unique, and/or innovative skills on any project or scheme within the last 12 months.



sponsored by



High Achiever of the Year

This category is for the individual or company that has achieved outstanding success such as in sales, contract wins, company expansion / development or other areas of business over the past 12 months.

It is open to any individual or company currently active in the construction, civil engineering, quarrying and plant & machinery sectors. The winner must highlight the area in which they operate, level and type of achievement, and outline any relevant factors or reasons that contributed to that success.

sponsored by



Fleet Management Company of the Year

This award is open to contractors operating any size of plant, machinery or truck fleet, plant hire outlets or other fleet focused businesses within the construction sector. Entrants should be able to demonstrate how they have employed telematics systems or other technologies to efficiently manage, monitor and protect their assets and operators, both on and off site.



ENTRY FORM

HOW TO ENTER:

VISIT OUR WEBSITE www.plantandcivilengineer.com AND FILL IN YOUR DETAILS & SEND ENTRY ONLINE

You can also submit supporting corporate material – brochures etc, including photographs of projects, services or products. You can enter any number of categories but bear in mind, it is left to the judges opinion to reallocate any entry which may be more suitable to another category or an additional category.

The judges' decision is final and no correspondence will be entered into. All entries are private & confidential. The winner will remain confidential until the event.

All entries/nominations should be received by 16th September 2016 via online submission at www.plantandcivilengineer.com or email to justin@4squaremedia.net or post to 4 SM (NI) Ltd, 12 Main Street, Hillsborough, Co Down, BT26 6AE.

PLANT & CIVIL engineer

PLANT, CONSTRUCTION & QUARRY AWARDS 2016

You can't win if you're not in. The Plant, Construction & Quarry Awards, hosted by Plant & Civil Engineer, is set to be the biggest event in the Irish industry's calendar.

**Book your table
immediately
to avoid
disappointment**

Held in Belfast's luxury Ramada Hotel on November 24th 2016 the awards ceremony starts with a superb Gala Dinner.

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All inclusive tickets cost just £85 each – a table of 10 works out at £850. Anticipated demand is likely to be brisk, so act now to ensure your presence at the event of the year!

**For further information, telephone
Plant & Civil Engineer on 028 9268 8888**

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Please Reserve ☐ seats @£85 or ☐ tables(s) of ten places @£850

at the **Plant & Civil Engineer** Plant, Construction & Quarry Awards 2016 in the Ramada Hotel, Belfast on Thursday 24th November 2016 at 7pm for 7:30pm sharp.

Name of Company: _____

Invoice Address: _____

_____ Post Code: _____

Contact Name: _____ Tel: _____

Dress Code: Gentlemen - Lounge Suit. Ladies - Cocktail Dress

The above prices are plus VAT and will be shown as such on the official receipt.

THIS PRIORITY BOOKING FORM TO BE POSTED TO: **Plant & Civil Engineer**, 12 Main Street, Hillsborough, Co. Down BT26 6AE or email table or seating requirements to justin@4squaremedia.net



Record demand at Bauma 2016

Hailed as a seven-day show of superlatives, Bauma 2016 attracted around 580,000 visitors from 200 countries to Munich - a rise of more than nine percent.

After Germany, the top ten countries of origin among the visitors were Austria, Switzerland, Italy, France, the Netherlands, UK, Sweden, the Russian Federation, Poland and the Czech Republic.

A total of 3,423 exhibitors—1,263 from Germany and 2,160 from abroad—from 58 countries presented their products, developments and innovations on a record 605,000 square metres of exhibition space. Exhibitors from outside Germany accounted for 63 percent of the total—higher than ever before.

Klaus Dittrich, Chairman & CEO of Messe München, is delighted: "The response from the participants

this year was amazing. The visitors at Bauma always come looking to invest, but this year the exhibitors' order books filled up much faster than expected.

"Many exhibitors are talking about a record level of demand at Bauma 2016. And that is an extremely positive sign in this current uncertain climate."

Johann Sailer, Chairman of the VDMA Association for Construction Machinery and Building Material Machines, agrees: "Bauma is the ideal platform for presenting innovative new developments, because it has a big impact in the industry around the world. Again in 2016 the world's largest show of construction machinery will deliver impetus for further growth in our sector."





As well as breaking records in terms of exhibitor and visitor numbers and exhibition space, Bauma is also a great place for filling the order books. Stefan Heissler, a member of the Board of Directors of Liebherr-International AG, confirms: "Bauma 2016 was a tremendous success for Liebherr. We received many orders from a wide variety of different markets. In some segments our expectations were even exceeded."

The mining section at Bauma also received a very positive response, as Erwin Schneller, Managing Director of SBM Minerals, reports: "We had visitors from Chile to Canada, from China to Russia, from Africa to Norway. My personal highlight was that we signed up some unexpected sales at the show."

One other characteristic of Bauma is that for the exhibiting companies it is the No. 1 platform for premiering their innovations to the trade audience worldwide.

John L. Garrison, CEO & President of the Terex Corporation, emphasised: "Every three years Bauma offers us the unique opportunity to meet with customers from around the world. As the largest trade show in our industry, it is a good opportunity to showcase new products and services."

And Masatoshi Morishita, Managing Director & CEO at Komatsu Europe, sums it up neatly: "We make use of the attention Bauma attracts to present our innovations. This event is a milestone for the industry. It's not only Komatsu that tries to get certain machines ready in time for Bauma. This trade show really drives the entire industry forward."

The next Bauma takes place from April 8 to 14, 2019 in Munich.









WITH YOU ALL THE WAY

Partner with Topcon for construction solutions including real-time video feeds and remote job site monitoring. Let's tackle the challenges together.

Topcon In Move To Support Progression In BIM

Topcon GB & Ireland has partnered with building contractors, JJ Rhatigan & Company, to implement Building Information Modelling (BIM) across all construction sites in Ireland.

In the largest deal of its kind in Ireland, Topcon is providing JJ Rhatigan & Company with 20 DS-205i Robotic Total Stations, which will be fully integrated with Autodesk's BIM 360 layout app and Topcon's MAGNET Field software.

These total stations can be set up and controlled remotely by JJ Rhatigan & Company team members, which saves time and also enables data collected on site to be fed directly into BIM 3D models in real time. This ensures that computer models for the company's projects are constantly updated and its engineers are always working from the latest information. As a result, JJ Rhatigan & Company can boost project efficiency and make cost savings.

Speaking about the contract, Michelle Fahey, BIM Implementation Manager at JJ Rhatigan & Company, commented: "Maximising client results is paramount to us as a company. Using the latest technology and working methods helps us do this, while also putting us a step ahead of the competition."

"This partnership with Topcon signifies a big step for us in embedding BIM across our business and getting all of our employees using the 3D models on site. We can now achieve this goal on even more of our sites, making sure we're ready and prepared to meet construction challenges in future."

With BIM projects JJ Rhatigan & Company are incorporating the Cad and Models into the one federated model. This gives the Engineer the power to set out either in the 2d or the 3d Environment. It also reassures them that their setting out points are correct as they can see where they currently are located in the 3d environment.



The JJR team can also validate their setting out by selecting the entity and its properties. Sean O'Dwyer, BIM Manager at JJ Rhatigan & Company, explains: "If, for example, a manhole is selected it will give the Invert Level and Cover Level. Kerblines that have no xyz points defined can be set out by using both the Magnet and Point Layout Application. Civil 3D models along with other 3d models can be incorporated into the software and all approved elements can be selected and set out. This is a major time and cost saving measure."

In addition to providing new technology, Topcon has provided one-to-one training to more than 30 JJ Rhatigan & Company engineers, ensuring they can use the new equipment on site to its highest potential.

Mark Fagan, Head of Operations at Topcon Ireland, added: "We've been working with JJ Rhatigan & Company for more than 20 years now, providing the company with equipment to survey its sites accurately, as well as training support."

"This new deal means we can go a step further, helping JJ Rhatigan & Company's engineers to communicate with each other throughout the construction process, boosting operating efficiency for the company, and enabling it to save customers time and money."

Topcon is working closely with JJ Rhatigan & Company to develop bespoke software, allowing for a tailored service that meets their complex project needs.

Sean O'Dwyer, BIM Manager at JJ Rhatigan & Company, commented: "With the BIM software, JJ Rhatigan & Company endeavours to establish itself as one of the key Contractors embracing BIM for all of our works. All Civil and Building works will fall under the umbrella of the Company BIM Plan and, with Topcon on board, we believe that we have the correct software to meet our highly advancing strategy."

Topcon's DS-205i Robotic Total Station uses XPointing technology to automatically seek out prisms in any condition, without the need for precise manual alignment. With its integrated MAGNET Field software, the total station allows users to collect positioning data and perform a range of surveying functions - as well as GIS mapping - and then feed this data into modelling platforms such as BIM via the cloud.

Topcon training personnel with the JJR team



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McCreath Taylor's Versatile Azura Sweeper Impresses Local Councils

McCreath Taylor have been impressing local councils across Northern Ireland with a demonstration of the new versatile Azura MC 210 sweeper from Mathieu.

Featuring an eye catching and functional design, and a comfortable and spacious cab, the Azura MC 210's extra compact dimensions makes it a perfect workhorse for a busy and challenging urban environment.

With an unsurpassed 360° view, it's also highly operator friendly. Its passenger compartment makes its mark with its extra-high and extra-low windscreen, with its glass-panelled side doors, panoramic and wide-angle mirrors, rear-view quarter panels, floor window, suction nozzle and rear view cameras.

Space has been freed up, giving the driver and passenger an extra 20% of room. The passenger compartment has been de-cluttered for greater comfort. The driving position can be adjusted to all body shapes thanks to the enhanced cab, and a wide range of seat and steering column settings which combine to offer an excellent and stress-free working environment.

Other on-board comfort features include standard automatic air conditioning, foot-level heating, 3-point seatbelts, passenger foot-rest, cup holder and an MP3-SD-USB Bluetooth radio with handsfree kit and 12V plug with smartphone compartment.

USER-FRIENDLY SCREEN

Ergonomically built into the middle of the dashboard, there's also a 7-inch multi-function colour screen with quality graphics that can accompany you whilst operating the sweeper, and even afterwards.

The screen offers a number of services and promotes a dialogue between the machine and the operator, offers easier and quick maintenance for technicians and better monitoring of daily operation for managers.

INTUITIVE WORK CONTROLS

The Azura MC 210 features new and innovative work controls, managed by CANBus. This technology has been redesigned to revolutionise your sweeping approach thanks to its ease of use.

The new keypads have short pressure buttons with backlit display, each one representing a function symbolised by an icon and a colour code. Utilising this technology, you can activate and deactivate the sweeping mode simply by pressing the Start & Sweep button, while a single multi-function joystick allows the driver to control movements more accurately. The innovative Push and Pull System offers multiple fields of application thanks to its integrated searching system. Its independent control of the brushes provides advantages



similar to a three-brush solution (handling, access to remote areas, etc.).

The brushes are mounted on rotary cylinders – patented technology – which increases the sweeping system's functionality and its operating potential and makes it possible to reach a maximum sweeping range of 2450 mm.

Thanks to the new hydraulic system with dedicated functions, an extra-wide reinforced suction nozzle and large-diameter high-resistance direct suction pipe, suction power is improved by nearly 10% at low speed and the cooling capacity

is enhanced to guarantee suitability for all environments.

With its extra-compact dimensions, small rear overhang, 2 or 4 wheel steering in sweeping mode and an optimised turning radius, the Azura MC 210 can easily negotiate obstacles and can be manoeuvred with great agility through narrow streets. The urban environment is definitely its favourite playground.

In travel mode, the Auto-Steer function, which automatically realigns the rear axle, allows the operator to stay focused on his task and to quickly and safely get from one working zone to another.



*With an unsurpassed 360° view,
it's also highly operator friendly.*

A large capacity stainless steel 4016 hopper, reinforced chassis, resized rear axle with safe load capacity of 3.5 tonnes and 16-inch premium wheels offer payload capacities of + 400 kg.

ENGINE CHOICES

The new Azura MC 210 has two engines available - the new VM Euro 6 engine and the new Kubota TIER 4 engine (US norm) Stage 3B (EU norm). The stage 3B engine offers not only a saving in the initial purchase price but also in servicing costs.

The sweeper also has three pre-defined working speeds to handle the different sweeping tasks: an EcoMode, a standard

mode and a BoostMode limited to 10 minutes of use.

Some 80% of common sweeping tasks are handled with EcoMode. Activation of this working mode leads to up to 50% fuel savings compared to an intensive working mode, less noise pollution, and it also preserves the lifetime of the sweeper.

FLEXIBILITY

Meanwhile, the Azura Flex is the essence of flexibility, being the 5-in-1 tool-sweeper version of the Azura.

Designed to be in action all year round thanks to its remarkable performance and flexibility, it

will meet all your needs in terms of urban viability in all seasons, more than any other solution.

With the standard front arrangement, it becomes a three-brush sweeping solution, a mechanical weeding solution, a scrubbing solution, washing or snow removal solution.

With the ever increasing installations of decorative paving within new public realm schemes in our town centres these paving's present particular cleaning problems in removing staining from things such as ice cream spilt drinks, oil and fats etc. The scrubbing head attachment with its ability to automatically

add a detergent during its operations is a very effective tool in treating this staining.

With all of these attachments it takes less than 5 minutes to convert the sweeper for its differing roles. Their installations are simple and it is therefore easy for the operator and doesn't require any fitter involvement to change the base machine to undertake these various tasks.

It also means that you don't have to invest in specific machines for a single task and the MC 210 Azura Flex is one of the most versatile and flexible sweepers in the market.

news

New Options in the Weidemann Hoftrac Product Range

Weidemann are always looking at ways to improve their product range to keep in touch with customers requirements – that's why they are number one in Germany. In recent months a number of enhancements have been made to a various models.

It is impossible to imagine the Weidemann range – available from Weidemann Ireland's 7 strong dealer network - without the 1240 CXLP, a long-running machine.

The Hoftrac with its so-called Low-Position (LP) design definitely deserves this description. The lowered seating position with the normal canopy allows for a lower overall height of 1.90mtr. The machine has a ground-level machine centre of gravity making it convenient to mount or dismount a huge advantage for the user.

The introduction of the cab gives full protection from our unpredictable weather.

This spacious cab, which meets current machine directive (2006/42/EC) according to roll-over protective structure (ROPS) and FOPS

protection, offers a great deal of headroom and room to move despite its compact dimensions. The total glazing gives the user an excellent overview of the work environment.

The 1140, with an operating weight of 1,630 kg and a tipping load of 664 kg with bucket, is currently the entry-level machine within Weidemann's product range. Weidemann has now configured the model 1140 Basic Line with a view to meeting the needs of this market segment. By reducing different structural elements, e.g. the fenders, the rear-view mirrors, the hydraulic cooler, the work lights, it's possible to achieve good savings for these types of customers. The result is an economical machine, which will allow the customer to complete many daily jobs without a problem.

The canopy of the 1140, 1160 und 1260, which up to now has been fully open on all sides, is now available with front and rear safety glass. This results in additional protection against weather conditions and dust contamination. The 1160 and 1260 machines can also be fitted with the new hydraulically adjustable operator's canopy.



THE HX AND HL RANGE OF EXCAVATORS AND WHEEL LOADERS JUST GOT BIGGER!

Hyundai is introducing three new excavators including two short tail machines - HX380 L, HX235 LCR, HX145 LCR. Also two brand new wheel excavators - HW140 and the HW210. New to the HL range of wheel loaders are the HL940 TM the HL955 TM tool master machines the HL940 and the HL980. Visit the Northern Lift Trucks stand at the Balmoral Show 2016 for your very first glimpse of a selection of these new machines.

Build a better future

A Certification 'First' for Kore Solutions

Kore, based in Kilnaleck, Co. Cavan, is the first company in Ireland to obtain integrated ISO certification for both the ISO 9001:2015 and ISO 14001:2015 standards from the NSAI (National Standards Authority of Ireland).

ISO 9001 is one of the most widely used management tools worldwide while ISO 14001 is the standard for Environmental Management. Both standards are internationally recognised. Kore design, manufacture and deliver practical insulation solutions around a suite of high

quality Expanded Polystyrene (EPS) for both the Irish and UK markets. Established in 1997, they employ 30 people at their 25,000 square foot state of the art facility in Cavan.

The revisions to ISO 9001 and ISO 14001 were released in September 2015 and include greater involvement by senior management, a new structure, a risk-based focus, revised documentation requirements and a variety of other changes needed to meet standard conformance.

"It is estimated that up to 3,000 companies in Ireland will

be implementing changes to their management systems in order to comply with the new standard before the end of 2018," says Caroline Geoghegan of CG Business Consulting.

Kore Managing Director Noel Brady adds: "Our proactive decision to become ISO:2015-certified as soon as we could is a demonstration of our commitment to quality throughout the organisation. Having the independent accreditation validates the ongoing efforts of all our staff."



(L-R) are Noel Brady, Managing Director, Kore, Caroline Geoghegan, CG Business Consulting, Caroline Ashe, Commercial Director, Kore and Fergal O'Byrne, Head of Business Excellence, NSAI.



Overcome Obstacles with the new Raster Master Trim Mower

Available from Co Roscommon based Moreway Ltd, the new redesigned Raster Master trim mower can cut around posts, poles and other obstacles with ease.

Mowers, of course, are available in all types and sizes, but cutting around posts and other obstacles quickly and efficiently has remained a real challenge – until now.

There are hardly any affordable alternatives

on the market that are said to have the ability to mow 360 degrees around an obstacle, but the completely re-designed Raster Master, recently launched into the Irish market, offers a perfect solution.

If you want to see it in action any time soon, Moreway Ltd have a demonstrator machine available for a limited time during the launch period.



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The Xcentric Crusher Bucket:

High Performance, Lower Costs



For operators who either don't have enough room on site to set up a mobile crusher or haven't sufficient quantities of materials to justify the expense of doing so, the Xcentric crusher bucket represents the ideal solution.

Available exclusively across the island of Ireland from dealers WAC McCandless, there are now five models in the range to suit excavators from 18 tonnes up to 70 tonnes – and all boast a number of innovative features that make them more efficient and productive than others currently on the market.

An Xcentric crusher bucket is also more cost effective as it eliminates the need of having to transport a mobile crusher from site to site.

Among the many advantages of the Xcentric crusher bucket is the fact that it can crush when full, whereas other buckets can only do so when half full, meaning their quoted capacity is not as accurate as it could be.

There are no protruding parts outside the width of the bucket, which is manufactured from Hardox 400 steel, and it only takes a simple procedure to switch between crushing sizes – from 20mm to 140mm in just two to three minutes.

Productivity is enhanced by innovative technology that includes a high inertia power train, circular jaw movement and a new and easy anti-stagnation plate, which prevents large shredding pieces from getting stuck in the bucket's mouth, not allowing them to enter the crushing jaws.

Placing the crushing jaws in a cross position, together with its circular motion, also allows the Xcentric crusher to grind wet material. This way, what you get is the movable jaw to "bite" the wet material and together with the circular movement drag it to the outlet, without sticking to the walls of the bucket.

Together with the benefits of long maintenance intervals, lubrication for example is only required every 200 hours, the Xcentric crusher bucket can be reliably worked long and hard, with no fear of unnecessary downtime.

BENEFITS AT A GLANCE

- Higher profitability than mobile crushers
- Minimal maintenance (greasing every 200 h.)
- High inertia Power train

- Circular jaw movement
- Anti-stagnation plate
- Simple and fast granulometry adjustment system.
- Anti-skid Transmission
- Made in Hardox 400
- Cross Jaws: with the circular motion, allows crushing wet material
- Double Effect: can be unstuck without emptying it.
- Flywheels inside, protected by the housing.
- Lopsided loading mouth edges: prevent wear and fracture

RIPPER RANGE

The Xcentric buckets are quickly experiencing the success already being enjoyed by the manufacturer's Ripper range introduced here less than two years ago, with worldwide sales recently passing the 1,000 mark and climbing.

The Xcentric Ripper has been developed with a patented impact vibration accumulation technology, which makes it in 85 % of the job applications, more productive than any hydraulic breaker or hammer available on the market. In even 60% of the job applications a two to five times' higher production rate can be achieved.

Made completely of wear-resistant steel, this attachment device is less noisy than any other excavation tools, can be used under water without loss of performance, and adapted to countless work sites, such as small stone quarries or quarries where drilling and blasting is no longer permitted for environmental reasons.





Miles ahead

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www.xcentricripper.com

Groundforce's Technical Director is new chairman of a BSI Euro committee

Tony Gould, who celebrates 30 years with Groundforce this year, has been appointed chairman of BSI committee B/514/29, the UK representation on WG9 - the CEN (Comité Européen de Normalisation) working group for standardisation of trench lining and hydraulic shoring systems.

In this position Tony will ensure that a UK viewpoint is established on European and international standardisation documents within the committee's

scope of operation and that effective measures are in place for representing those views in appropriate forums.

The BSI appointment comes 18 months after Tony was appointed a Fellow of the Institution of Civil Engineers (FICE), an accolade reserved for senior civil engineers who have made a significant contribution to the civil engineering profession or have advanced the practice of engineering.

Also a chartered engineer, Tony joined Groundforce when the VP Group acquired



Tony Gould

Mechplant where his career designing and developing predominately hydraulic ground support systems started. Tony is regarded by many in the industry as a key innovator in proprietary hydraulic ground support technology.

Hannon Transport Group Moves Into Steel Sector



Hannon Transport, one of Ireland's leading refrigerated and general haulage companies, has expanded into the steel stockholding sector with the establishment of Hannon Steel Ltd.

It follows the forming of a partnership between Aodh and Adrian Hannon, who have employed the services of a sales and admin team that can collectively call on some 60 years of experience in the industry.

Although only weeks old, Hannon Steel is already enjoying a very

positive response from customers across Northern Ireland.

"We are targetting general engineering firms, trailer manufacturers, quarrying companies and those operating in the lighter end of the construction sector," says Adrian. "We have a very experienced team around us and are excited about the future."

The company is operating from premises at Templepatrick in County Antrim formerly occupied by an engineering firm - and it's proving to be an ideal base.

The company is utilising trucks from

the Hannon Transport fleet to deliver a range of products that includes steel plates, box sections, steel beams, galvanised sheet, flat bars and angles.

"We are currently building up our stock levels of European sourced steel to meet what is an already growing demand," says Adrian. "There is big potential for an efficiently run service offering competitively priced products and prompt deliveries; it is what today's customers expect and deserve, and that's precisely what they will enjoy from Hannon Steel."

ATLAS

M Large Tree Services are pleased to announce that we have acquired the Atlas truck mounted crane franchise for Northern Ireland, along with this franchise comes the Cayvol range of hook and skip loaders.

Why Atlas?

Atlas quality is derived from innovation in research and product design, investment in people and products. Total commitment to support and aftersales service has firmly established Atlas as one of the world's leading suppliers of loader cranes.

Atlas have a reputation for honesty, reliability, performance and un-rivalled whole-of-life costs.

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Ballymena's Big Boom with Blaney

From small beginnings in Ballymena, Co Antrim in 1993, Blaney Group has managed to beat the trend and prove that local design, innovation, and manufacturing have the ability to compete with international players.

Now Blaney are taking the next step in business growth to become a significant employer in the local community through its engineering based divisions including Quad-X, Blaney Agri, Blaney Gears and the launch of Blaney Motor.

As the first quad bike manufacturer in Europe, the experience Blaney gained in designing and building their own off-highway vehicle provided them with valuable insights. They practically invented the commercialisation of ATVs (All Terrain Vehicles), with the vast

range of Quad-X attachments that supercharged the potential of these often overlooked vehicles.

During development of these attachments they made several technological innovations, including learning how to get more power from a smaller machine. These innovations helped greatly when their operations scaled up to produce larger tractor machinery enabling Blaney Agri to produce high performance affordable products in a highly competitive marketplace.

With all the synergies in place, and years of investment in R&D since 2004, Blaney are now ready to bring a focus back to Blaney Motor, to market a range of multipurpose compact vehicles for the agricultural and construction industry.

The launch of new product

concepts at Balmoral Show forms part of the journey towards the creation of a significant number of jobs over the next few years. Plans had been in place to launch these unique off-road vehicles in 18 months' time, but given the looming closures of significant manufacturing plants in Ballymena and the negative impact this will have on the local economy Blaney have brought forward those plans.

Gillian Bonnar, Export Sales Officer, tells us, "We have identified a gap in the market both at home and overseas and following over a decade's extensive research we are pleased to announce the launch of Blaney Motor and new vehicle concepts at this year's Balmoral Show."

Adds Sean Blaney, owner and chief engineer: "I am excited

to meet new customers, partners and employees who will make this journey with us. We are committed to building a legacy of quality engineering that will benefit our investors, suppliers, employees, dealers, local economy and most importantly our customers."

The new multipurpose machines are specifically designed to be compact for manoeuvrability and mobility. Their size allows them to access hard to reach areas while their weight allows them to be transported under 3.5 ton. So if you're involved in farming, plant hire, construction, equestrian, landscaping, amenities, road works or self-build, this could be the next thing on your wish list.

Volvo FH16 And I-Shift With Crawler Gears Pulls 750 Tonnes From A Standstill

In Volvo's latest YouTube video 'Volvo Trucks v 750 Tonnes', a Volvo FH16 featuring the new I-Shift automated transmission with crawler gears faces an extreme heavy haulage challenge.

With the world's strongest man, Magnus Samuelsson, and trucking journalist Brian Weatherley in the driver's cab, the Volvo FH16 attempts to pull 750 tonnes from rest !

In the Port of Gothenburg, Sweden, 40 containers filled with Volvo spare parts sit on 20 trailers and form a 300-metre long road train. Together with the truck it weighs 750 tonnes. The mission: to drive a Volvo FH16 from a standstill for a distance of 100 metres, whilst hauling 750 tonnes.

"I-Shift with crawler gears offers starting traction that is unlike anything else on the market for series-produced trucks. The new crawler ratios make it possible to haul really heavy loads, start off in difficult terrain and drive at speeds as low as 0.5 km/h (0.3mph). Specially-built trucks are normally used for exceptionally heavy loads, but here we're using a Volvo FH16 with a driveline that has come straight from the factory," says Peter Hardin, Product Manager FM and FMX at Volvo Trucks.

The Volvo FH16 used in the test features I-Shift with crawler gears and the strongest axles from Volvo's regular product range. The truck is driven by Magnus Samuelsson, former holder of the 'World's Strongest Man' title and at his side he has experienced truck journalist Brian Weatherley.

"Few things can match the sense of challenging and winning over one's physical limitations. I've faced many tough challenges over the years, but this pull is my heaviest ever," says Magnus Samuelsson.

"That Volvo Trucks has developed an automatic transmission that can haul 325 tonnes gross combination weight (GCW) is impressive. But tackling more than 700 tonnes GCW with a single regular production truck is really quite amazing. In my 30 years as a trucking journalist I've never seen anything like it," adds Brian Weatherley.

Check out the video at : <https://www.youtube.com/watch?v=5UUz1zTZFu&nohtml5=False>

Losi Introduces New Technowell Range

Losi has expanded its range of hydraulic steering with the introduction of Technowell electrical forward reverse shifters.

Designed for external fit (no cab) off-highway heavy duty applications, the addition of the Technowell electrical forward reverse shifters means Losi can now provide a complete package that also includes steering orbitals, steering columns and steering wheels.

Features of the new forward reverse shifters include:

- Sealed to IP67 against water & dust ingress
- Self cleaning sliding contacts giving extended life
- Heavy duty physical load carrying capability
- Standard & custom range available
- Custom switching circuits available to suit customer requirements
- Wide range of wiring harness & connector options

Losi and Technowell work closely with off-highway vehicle manufacturers at the design stage to offer steering solutions. Their expertise comes from more than 15 years of experience in the design and installation of shifters and other steering unit equipment.



CPA Forecasts Slowdown in Construction Growth as Risks Continue to Rise

The Construction Products Association forecasts 3.0% growth in construction output during 2016 and 3.6% in 2017, a downward revision from the 3.6% growth forecast three months ago.

This is due to heightened concerns regarding the effects of slowdown in global economic growth prospects, the impacts of uncertainty from the upcoming EU referendum on investor uncertainty and the potential for growth in the industry given key issues around skills shortages.

Professor Noble Francis, Economics Director, said: "The latest forecasts for construction are still positive. With growth of 3.0% in 2016 and 3.6% in 2017, activity in the construction industry is expected to outpace growth in the wider UK economy. The risks to this growth, however, continue to rise.

"UK economic growth forecasts continue to be downgraded in light of poorer global economic growth prospects. In addition, the months leading up to the EU referendum in June will inevitably see a drop off in investment as increased uncertainty leads nervous investors to adopt a 'wait and see' policy until the referendum is out of

the way, which could have a significant impact on UK economic growth and the construction sector in particular."

Despite these substantial risks, the CPA are anticipating growth in the three largest construction sectors; private housing, commercial and infrastructure.

"Private housing starts are forecast to rise 5.0% in 2016 and 2017, with major house builders keen to take advantage of high demand for home ownership and government policies that attempt to deal with issues around affordability. After a spike in property transactions in Q1 owing to April's increase in stamp duty for buy-to-lets and second homes, however, don't be surprised to see a fall in property transactions in Q2. That shouldn't affect the general housing market medium-term, as the return on investment in property remains considerable."

Professor Francis continued: "Work in the commercial offices sector is forecast to grow by 7.0% in 2016 and a further 6.0% in 2017 due to major high profile developments currently in the pipeline, not just in London but also Birmingham and Manchester too. Retail construction, on the other hand,

is expected to fall 1.0% in 2016 and only rise 2.0% in 2017 as major supermarket chains consolidate, focusing more on small convenience stores where sales margins are higher. In addition, general retail is expected to suffer from the continuing shift away from high street shopping to the internet. Whilst this shift adversely affects retail construction, it does boost industrial warehouses construction, which is expected to increase 10.0% in 2016 and a further 5.0% in 2017.

"Infrastructure work is forecast to rise 56.3% by 2019 due to growth in rail, energy, roads, water and sewerage; however, there are key issues in the medium-term. The most pressing issue is whether the wider construction industry actually has the skills available to deal with double-digit growth in the infrastructure, commercial and private sectors at the same time. By 2019, total construction output is expected to be £20 billion higher than in 2015, yet employment in the industry remains 324,000 lower than it was over seven years ago. If the growth we have forecast is to be achieved then the serious issue of skills shortages needs to be addressed."

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Bobcat Launches Agri Versions of Telehandler Range

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Kubota



Bobcat has launched the new AGRI versions of the company's TL470 and TL470HF 7 m telehandlers, further expanding the company's range of products for the farming market.

The company has also upgraded the standard TL470 and TL470HF models and the Bobcat TL360 6 m telehandler, incorporating several unique standard and optional operating features, which were first introduced in the smaller TL358, TL358+ and TL358+ AGRI models launched earlier this year.

The TL470 AGRI and TL470HF AGRI telehandlers are premium versions of the TL470 and TL470HF models designed for the agricultural market, which like the TL358+ AGRI telehandler, have a number of additional features providing higher comfort and productivity to meet most agricultural requirements.

As well as a 40 km/h transmission and 24 inch tyres, the TL470 AGRI and TL470HF AGRI telehandlers feature as standard: a Sears high comfort air suspension seat and premium cab finish (deluxe steering wheel, armrest); fan inverter; boom wiring harness and electric

connectors; a lockable fuel cap; a trailer brake valve; a cyclonic air prefilter; a drawbar coupler tow hitch, front tow hitch and rear electric socket; a support for the vehicle registration plate; back-up alarm; work light on the boom; rear mirror; a loudspeaker and radio ready configuration; a roof window wiper; sun visor; a rotating beacon and European tractor homologation.

The boom design, which features a fully integrated boom head, larger cross section and a longer boom overlap, ensures that the machines are well equipped to carry out the most demanding loading applications. A robust main frame and protected chassis ensure maximum strength and protection for a long and productive service life.

The cab offers a very comfortable work environment with all controls positioned for ease of use. The electronic dashboard display gives the operator an excellent overview of the performance of the machine.

The forward/reverse control function is placed on the joystick, making it easy and convenient to control the machine.



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New Irish Dealer Appointment Strengthens Rapid's Sales and Service Position

County Armagh based Rapid International Ltd's continued growth within the UK and Ireland has been bolstered by the recent addition of Ormonde Machinery Ltd to its dealer network.

Headquartered in Kilkenny, Ormonde Machinery strive to offer quality customer service and a truly personalised approach to machinery solutions. Ormonde has assumed the role of officially appointed dealer representative for Rapid machinery in the Republic of Ireland with immediate effect.

Jarlath Gilmore, Sales and Marketing Director at Rapid, commented: "We are delighted to welcome Conal and the Ormonde Machinery team to the Rapid dealer network. We feel Ormonde have the right experience in key areas to help us develop sales in Southern Ireland."

Established in 1969, Rapid is recognised as one of the world's leading manufacturers of equipment for the concrete, construction and environmental industries. Rapid's pioneering mixing technology is present in upwards of 1000 installations in

over 30 countries worldwide.

Rapid is the manufacturer of choice for many of the major global concrete and construction groups and is proud to have supplied equipment to Hanson Heidelberg, Holcim, Lafarge, Cemex, Ferrovial, Bam Nuttall, Arcelor Mittal, Aggregate Industries and many more.

Rapid's products range is manufactured at a state of the art 50,000 square foot manufacturing facility in County Armagh, Northern Ireland. The company is proud to power its facilities with 100% green energy via an onsite wind turbine. Rapid's product offering includes pan, planetary and twin shaft concrete mixers, static and mobile batching plant, wheel/track mounted continuous mixing plant and spare parts. All machinery is designed in house by a talented team of design engineers and manufactured using the latest equipment from internationally renowned brands. Added Conal Mullan, General Manager at Ormonde Machinery: "This is a welcome addition to our product offering and we are



Pictured from left to right: Raymond Murphy (Ormonde Machinery), Conal Mullan (Ormonde Machinery), Jarlath Gilmore (Rapid), Sean Keane (Ormonde Machinery).

delighted to be representing Rapid International in Ireland. Given the continued recovery in the construction sector, we expect to see strong demand for this type of equipment in the coming years."

Ormonde Machinery is a leading supplier of construction, mining, quarrying and recycling

equipment. Ormonde's SME status provides the opportunity for an agile and fast paced approach to meeting customer requirements. The company is specialised in the field of materials processing equipment and have been an officially appointed dealer for leading manufacturer Terex Finlay since 2000.

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Featured model: SK210LC *Figures for fuel consumption per hour (L/h) compared with previous model, in KOBELCO tests.

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Terex Trucks Take Pride of Place at Scotplant

There were many highlights at the recent ScotPlant biennial construction equipment exhibition at the Ingliston Showground in Edinburgh, chief among them Terex Trucks.

With over 65 years of manufacturing excellence on display, Terex Trucks' showcased the latest haulers to roll off the production lines of its Motherwell manufacturing facility.

On show at the event, which saw Terex Trucks partner with UK distributor, TDL Equipment, was the largest truck ever built in the United Kingdom, the TR100 rigid dump truck, a monster machine that's capable of carrying 100 tons (91 tonnes), alongside its smaller cousin, the 30 ton (27.2 tonne) capacity TA300 articulated hauler.

Aftermarket and service excellence was also featured prominently on the company's exhibition stand, including a display of Factory Approved parts. Experts were on hand to give advice on a range of customer solution topics, from preventative maintenance and service agreements to uptime, fuel efficiency and productivity best practices.

Motherwell-based Terex Trucks, which employs 360 people at its manufacturing facility on the Newhouse Industrial Estate,

has been making rigid and articulated dump trucks – off-highway trucks used to move earth, rocks and minerals in the construction and mining industries – since 1950.

"Having our global manufacturing facility located in the heart of central Scotland, means we are perfectly positioned to supply new and existing customers both domestically and internationally with the powerful and robust trucks they have come to expect," says company general manager Paul Douglas.

And with major civils infrastructure projects such as the new Forth crossing, M8 and M74 motorway expansions and the Aberdeen bypass, Scotland is at the forefront of the UK construction market, making Scotplant 2016 an important show for Terex Trucks, says Mr Douglas.

OTHER HIGHLIGHTS

Other highlights included Hydrema's new F Series 912FHM (high mobility) and 922F articulated dump trucks along with the compact MX14 15.7 ton mobile excavator.

Meanwhile, a new van-mounted boom lift aimed at utilities contractors made its UK debut. Access Platform Sales (APS), the exclusive UK distributor for Aldercote products, exhibited the new VZ130U model, designed for street light maintenance and

highways work, providing a 13m working height and 6.8m maximum outreach.

Installed on a 3.5t Ford Transit chassis, the Aldercote VZ130U can be driven by anyone with a standard UK licence.

Case Construction Equipment joined Hodge Plant, its new dealer in Scotland, to show its heavy range line-up which included tracked and wheeled excavators and wheeled loaders, while the compact range included skid steers and minis.

Other exhibitors included Sandvik Construction, displaying a range of mobile crushing and screening equipment.

Hyundai was represented by Young Plant Sales, who demonstrated the new Hyundai R430LC-9A excavator which was being shown for the first time in the UK.

Kubota, meanwhile, joined forces with the GAP Group to celebrate the manufacturer's 35th anniversary and GAP's 45th. Products on show included high-performance mini excavators, tractors and utility vehicles.

Plant & Civil Engineer was also there to capture the event on camera...





Hire Awards of
Excellence
2016

Industry recognises high achievers at Hire Awards of Excellence 2016

Over 380 guests from all sectors of the hire industry gathered to celebrate at the Hire Awards of Excellence when they were held recently at stunning central London venue, 8 Northumberland Avenue.

Independently judged, the awards are the pinnacle of the year for the winners and also those highly commended, with both companies and individuals receiving recognition for their outstanding contribution to the hire industry; Dundalk based Dromad Hire was highly commended in the Plant, Tool & Equipment Hire Company of the Year category.

Organised by Hire Association Europe and Event Hire Association (HAE EHA), the awards represent the best in the industry for plant, tool, hire and event equipment. This year's glittering ceremony was hosted by popular presenter, broadcaster and journalist Jeremy Vine, best known for his BBC Radio 2 programme.

HAE EHA chairman and managing director of Martin Plant Hire, Andy Martin delivered a rousing speech on the evening, that included a toast to St. George in honour of the date, this was particularly significant as Andy is a Scotsman.

Commenting on the awards, Andy said: "The feedback that I received afterwards was terrific and I believe the night was thoroughly enjoyed by everyone. The amount of effort and hard work that the HAE EHA team puts into organising an event of this scale is really appreciated. I thought Jeremy Vine was particularly good and kept control of the room throughout the awards which can often be a challenge."

Winners on the night included many of the UK's leading hire companies from the construction and event industry with 12 awards presented in total. New for 2016 were awards for: Construction Industry Product Of The Year, Event Industry Product Of The Year and Hire Manager of The Year.

An independent panel of judges, chaired by HAE EHA marketing manager Ann Harrison, consisting of trade association CEOs and leading experts in training, web development, design and print, HR, Health & Safety and Hire, selected the recipients.

The presentation culminated with the 'Hire Achiever Of The Year' category, this award demonstrates the importance of employing, nurturing and training the best staff and recognising individuals' outstanding achievements. The three personnel awards highlight the people with great potential in the hire industry.

As winners of the Apprentice Of The Year, Workshop Manager of the Year and Hire Manager Of The Year: Shay Beckingham, PSF Power & Pyro; Lee Tidball, AFI-Uplift and Leanne Kelleher, AFI-Uplift were all nominated, with Lee Tidball, AFI-Uplift crowned the eventual winner.

Judges commented: "Lee's skills and commitment to improving efficiency has led to significant improvements in motivation, service levels and profitability. He has helped to create a more efficient workplace for the benefit of the company and his colleagues. In addition, Lee has seized an opportunity, despite being young he has shown maturity and concentrated on his learning, has been instrumental in mentoring others and demonstrated an amazing amount of competency in a wide range of tasks."

Commenting on the success of the awards Graham Arundell, managing director of HAE EHA said: "Rewarding best practise and seeing our members adopt initiatives like Future Hirers and SafeHire is exactly what we are all about. The Hire Awards of Excellence is a fantastic opportunity for us to come together as an association and celebrate our collective achievements. It is incredibly pleasing that the event receives so much support from our membership and watching it go from strength to strength is testament to all those involved. Plans are already well underway for 2017!"



HAE EHA Chair Andy Martin (r) of Martin Plant Hire awards the Chairman's Trophy to Douglas Anderson (l), Managing Director of GAP Group



Host Jeremy Vine announces SafeHire Company of the Year, Hire Station, I-r Neil Skea, Scott Ball and Brian Sherlock holding the trophy. Presented by Carl Evans (far right) of sponsor PASMA.



Host Jeremy Vine announces Catalogue of the Year, I-r Jonathan Newport, Gary Ridsdale and Peter Jones of winner ESS SafeForce. Presented by Ian Wooley (far right) of sponsor FT Solutions.



Host Jeremy Vine announces Construction Industry Product of the Year, the SkySiren(R) PCS(TM) by Nationwide Platforms. Alan Nation (r) from sponsor Hirebase presenting the award to Paul Marks of the Lavendon Group.



All Winners and Highly Commended



Host Jeremy Vine announces Event Industry Product of the Year; the Cygnus 4 Hybrid Power Generator by Firefly; I-r Andy Gilman of sponsor Arcotherm then from Firefly: Huw Evans, Greg Upton, Charlotte Young and Richard Randall.



I-r Gary Ridsdale of sponsor ESS Safeforce presents the trophy to Graham Dobbs, Matthew Cunningham and Karen Miles of inspHire; winners in the Supplier of the Year category. Host Jeremy Vine pictured right.



Host Jeremy Vine announces Event Equipment Hire Company of the Year; Allen's Catering Hire, Managing Director Kevin McGuinness pictured holding the trophy. Sponsor was Bosch Professional Power Tools & Accessories.



Host Jeremy Vine announces Plant, Tool & Equipment Hire Company of the Year (turnover up to £10million); PSM Plant & Tool Hire Centres. Managing Director Mike Clegg pictured with trophy in hand, standing next to Mat Llewellyn of sponsor MHM OneCall.



Host Jeremy Vine announces Plant, Tool & Equipment Hire Company of the Year (turnover over £10million); Nationwide Platforms. Trophy collected by Simon Beckett of Nationwide Platforms. Anders McLocklan of sponsor HAE Insurance services pictured right.



Host Jeremy Vine announces Apprentice of the Year; Shay Beckingham of PSF Power & Pyro photographed alongside Nick James of sponsor CITB.

THE FULL LIST OF WINNERS ARE

- SafeHire Company Of The Year: **Hire Station**
- Catalogue Of The Year: **ESS Safeforce**
- Construction Industry Product Of The Year: **Nationwide Platforms - Skysiren® PCS™**
- Event Industry Product Of The Year: **Firefly - Cygnus 4 Hybrid Power Generator**
- Supplier Of The Year: **inspHire**
- Event Equipment Hire Company Of The Year: **Allen's Catering Hire**
- Plant, Tool & Equipment Hire Company Of The Year (Up To £10million Turnover): **PSM Plant & Tool Hire**
- Plant & Tool Hire Centres Plant, Tool & Equipment Hire Company Of The Year (Over £10million Turnover): **Nationwide Platforms**
- Apprentice Of The Year: **Shay Beckingham, PSF Power & Pyro**
- Workshop Manager Of The Year: **Lee Tidball - AFI-Uplift**
- Hire Manager Of The Year: **Leanne Kelleher, AFI-Uplift**
- Hire Achiever Of The Year: **Lee Tidball - AFI-Uplift**



Host Jeremy Vine announces Workshop Manager of the Year; Lee Tidball of AFI-Uplift with presenter Simon Hewitt of sponsor STIHL GB pictured right.



Host Jeremy Vine announces Hire Manager of the Year; Leanne Kelleher of AFI-Uplift with Brett Thompson, Chair of sponsor HireTrain pictured right.



Host Jeremy Vine announces Hire Achiever of the Year; winner Lee Tidball of AFI-Uplift holding the trophy. I-r Finalist Leanne Kelleher also of AFI-Uplift, Katy Williams of sponsor Higher Concept Software and finalist Shay Beckingham of PSF Power & Pyro.

HAE EHA representatives put Hire industry in the 'Spotlight' with DWP

Key members of Hire Association Europe and Event Hire Association (HAE EHA) team and board played an instrumental role in the Department for Work & Pensions' (DWP) most recent 'Spotlight' session, focusing on the Hire industry.

DWP's 'Spotlight' sessions, previously known as master classes, have been instrumental in strengthening knowledge and good practice across Jobcentres nationally and have focused on numerous industry sectors including hospitality, agencies, security & facilities management, food & drink, care work and more recently construction.

DWP's objective for the month of March was to up-skill its staff in the Jobcentre network, equipping them with knowledge and understanding of the hire industry and the employment challenges within it.

In a rallying call to businesses Employment Minister Priti Patel said: "The ambition is to inspire jobseekers, increase awareness of the Hire sector as a great place to work and encourage employers to recruit a more diverse workforce. I am asking for your commitment to collaborate with us by supporting this campaign."

Taking place in the form of a telephone conference with approximately 750 delegates participating,

Jobcentre employees were invited to participate and then communicate key messages to their colleagues about the opportunities within the Hire industry.

Representing the HAE EHA were Richard Whiting, commercial manager; Debbie Garner, senior membership development executive and Graham Dobbs, a member of HAE EHA's Supply Chain Board and managing director for hire software provider inspHire.

Topics and issues addressed during the conference call included the ongoing struggle by SMEs to recruit the right candidates; the growing skills shortage caused by targeting school leavers, the unemployed

and recruiting from friends and family; coaching teams at Jobcentre Plus (JCP) offices across the country in identifying jobseekers interested in hire and the personal characteristics that Hirers look for; highlighting the benefits of working in hire i.e. diverse career paths, the amount of training available and ability to progress and a busy and lively working environment and promoting work experience and careers in hire by targeting 18-30 years olds looking for a career change.

At the close of the call a poll was conducted among participants with 95% finding it useful or very useful.

D.A. Forgie Enhances Partnership With CP Hire

D.A. Forgie has secured a major new deal to supply a number of Kubota KX080-4 eight tonne excavators, fitted with the class leading Tier4 Kubota Engine, to CP Hire Ltd, extending the plant and tool hire company's fleet to more than 80 Kubota machines.

CP Hire Ltd has been providing hire equipment to Northern Ireland for over 45 years, with depots in Belfast, Ballymena, Mid Ulster, Londonderry, Banbridge and Magherafelt.

Following a significant growth in demand from customers, the deal will see D.A. Forgie supply the KX080-4 excavators, in addition to the 20 Kubota mini-excavators

supplied to CP Hire previously consisting of 10 x KX61-3 and 10 x U55-4.

The KX and U series Zero tail excavator series from Kubota are some of the most reliable and durable machines on the market, utilising Kubota's latest in house engine technology designed to offer maximum fuel efficiency, minimal noise and vibration, as well as low emission levels to meet current regulations.

Andrew Hutchinson, Managing Director at CP Hire Ltd, said: "The hire market for plant and machinery equipment within Ireland continues to go from strength to strength. Due to this, we have seen an increase in demand for construction machinery, so it made perfect sense to

work alongside a well-respected dealer in D.A. Forgie to enhance our Kubota fleet.

"In addition to the performance, the reliability, efficiency and low running costs of the Kubota machines are also seen as huge benefits by our customers. At CP Hire, we pride ourselves on being able to provide solutions that won't let our customers down, whatever the conditions, time and time again. With Kubota, this is exactly what they get."

Ria Forgie, Branch Manager at D.A. Forgie's new Lisburn branch, said: "We have worked in partnership with CP Hire for a number of years and it's great to see our working relationship continue to grow stronger. By working closely with Kubota, CP Hire can not only meet the increased demand of its customers, but be safe in the knowledge that the equipment provided simply isn't matched in the marketplace."

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J. McNabney



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HSS/Laois Hire Continually Adapting to Customers' Needs

Continuing success for HSS/Laois Hire is not just about investing in its people and its equipment, it's also about adapting to the ever changing needs of its growing and varied customer base across the island of Ireland.

"Success for a hire company is all about meeting the demands of the customer with the aim of providing a one-stop shop for hire needs across all industries with innovative solutions," says the man who heads up the business, Managing Director Michael Killeen. "At HSS Hire/Laois Hire we firmly believe that we can provide an unrivalled hire experience."

Constant investment, of course, is also key to the success of this award winning company that is currently focused on a programme of expansion in Ireland, with two new branches recently opened in Northern Ireland – at Connswater in Belfast and in Portadown in County Armagh - and a further four branches due to open this year in Limerick, Cork, Waterford and the Dublin docklands.

Apart from offering the latest range of excavators and telescopic handlers for hire, the rental

fleet also includes a full range of compaction equipment - from small pedestrian- controlled compactors through tandem rollers to legacy three-drum deadweight rollers and 18-tonne single vibrating drum rollers.

The company also recently completed a major investment in mini excavators from ECI JCB; the new 8026 mini and 86C-1 midi excavators are available to hire from its established network of hire branches and supercentres across Ireland.

Comments Michael: "We have made this substantial investment to meet the increased demands from our customers. We have found JCB to be an excellent brand, trouble free, very popular with our customer base and backed up by an excellent service. We have also found that certain customers will request JCB equipment for certain projects.

"A trouble free machine means no customer down time and undue costs to contracts that need to be completed on tight schedules. We noticed big demand



Regular investment is a vital ingredient in the plant hire market where customers are always looking for the latest technology and innovation





almost immediately for these machines. They were just rolled out in our depot when they went straight out on hire!"

Customers are also keen on the Caterpillar brand, which prompted HSS/Laois Hire last year to invest in 16 new Cat excavators from Finning and there are plans to make further substantial investments in a wide range of other products over the coming months.

An agile approach to the group's stock is also an important factor. "We have an integrated logistics division that moves stock around the country effectively and efficiently 24 hours a day," says Michael.

Another ingredient to the success of the company is its ability to work with clients on some of the highest profile projects in Ireland including the M50, M7 and M8 motorways, N9, Dublin Airport Terminal 2, Monasterevin Bypass and Intel – and its willingness to take on new agencies, a case in point being the partnership formed with Selwood Pumps.

Since winning the agency last year, HSS/Laois Hire has grown Selwood's Irish business base and this is set to continue with high-profile contract wins, most notably large-scale road building projects such as the M17/M18 Tuam to Gort motorway in Galway, the M11

Gorey to Enniscorthy motorway as well cleaning rivers and canals with Waterways Ireland.

Laois Hire also assisted Enva Ireland Ltd in pumping crude oil from a million-litre holding tank on a project along a 3km pipeline out to an awaiting ship, using a Selwood high head pump which has the capacity to pump 200 tons of crude oil per hour

The pumping job was a complete success with Enva Ireland Ltd completing the project within the tight timeframe given and peace of mind with the reliability and level of safety that the Selwood pumps offer.

Founded in 1946, Selwood is now a £50m turnover company employing 420 staff throughout its nationwide network of branches and is one of the largest privately owned companies serving the water, environmental and construction industries. Selwood has designed and manufactured mobile site pumps since 1953 and is now acknowledged as one of the UK leaders in this field with 75% of units being exported through a worldwide distributor network.

Selwood say they chose HSS/Laois Hire as their



Irish partner not only because it has a remarkable track record, holds a dominant position in the hire sector, but also because of how well the business is run.

The Selwood range, of course, greatly adds to the HSS/Laois Hire rental portfolio. "Customer reaction has been very positive. Not only do they want and ask for Selwood, they know that in HSS/Laois Hire we have the network established to support them at hire and right along to parts and servicing. Put simply, we've built our business on trust and we choose brands that our customers trust and which we can deliver.

"We find that Selwood are a great company to work with, they are professional, friendly, they have supported us 100% and we are extremely happy with the progress to date."



CPA Helps Vintage Excavator Trust Rescue a 1957 Excavator



The CPA (Construction Plant-hire Association) is celebrating its 75th anniversary this year and in recognition of its history the CPA have made a donation to the Vintage Excavator Trust.

The donation went towards the cost of the transportation of a 1957 Ruston Bucyrus excavator from the now closed Snibston Discovery Museum near Coalville in Leicestershire to the V.E.T's home at Threlkeld Quarry in the heart of the Lake District.

The 54RB was originally built in 1957 for the Eastwell Iron Ore Company which, was a subsidiary of the Staveley Iron and Coal Co. Ltd.

The machine was eventually acquired by Peter Bennie Ltd. who, for a number of years, used it in dragline configuration at one of their facilities in Leicestershire. When Bennie no longer had a use for the machine it was donated to the Snibston Discovery Museum in Coalville in 1995.

The engine in the 54RB was a non-runner having sustained considerable damage when a con-rod broke through the crank case - as a result the 54RB remained as a static exhibit during its time at Snibston.

In 2014 the Snibston Discovery Museum closed its doors for good - consequently a new home had to be found for the excavator which was no mean task considering it weighed 65 imperial tons!

In January this year the CPA made contact with the V.E.T to see what the association could do to help and made the offer of a donation towards transportation costs to its new home where it will be fitted with a replacement engine with the aim of making it fully operational again.

CPA Director, Kevin Minton said, "We were delighted to be able to assist the V.E.T in moving the 54RB and we are looking forward to monitoring its progress. The machine is part of our construction plant heritage and its restoration back to a working machine is a worthy project. We wish them every success!"

Peter Brown Joins CPA as Technical Development Manager

CPA (Construction Plant-hire Association) has a new member of the team - Peter Brown, who has been recruited as CPA's Technical Development Manager, a new role within the association.

Peter comes to CPA from CITB (Construction Industry Training Board) where he gained his experience by working in a wide range of roles which included training development,

education, and skills certification - he was also responsible for setting the standard for the construction and allied sectors within his role at CITB.

CPA Chief Executive Colin Wood said, "Many of our Members have known Peter for many years and are aware of his skills and experience. I believe that Peter will be a great asset to both the Members and staff at CPA."

Kevin Minton Director CPA also commented on Peter's appointment. He said, "Peter has extensive experience and is well respected in the plant sector. I am very pleased that he has decided to join CPA, and I am confident that he will make a valuable contribution to the association and its Members. I look forward to working with him."

Commented Peter, "It's a real privilege to be joining such a well-respected and established organisation. The CPA plays a pivotal role within the Plant Hire Sector and I am very much looking forward to being a part of that, by supporting the association

and its Members, by utilising my skills and experience, with my long association with technical support and training development."



Peter Brown

Briggs Equipment: Accessing New Heights

The Briggs Equipment hire fleet in Northern Ireland continues to expand with now over 700 machines available to hire, for both short and long term, including forklift trucks, JCB telescopic handlers, CTE van mounts and Powered Access Equipment.

Some of the latest machines to be added to the fleet include the Genie S-65 trax and the Genie ZX 135/70, available for short term rental.

Based at Mallusk, Briggs Equipment's hire department is also winning some big rental deals, one of the latest being a 16 month contract with MHI Vestas, an offshore wind company, for a range of forklift trucks and material handling equipment along with Powered Access machinery.

Briggs Equipment Northern Ireland has quickly become a one-stop shop, tailoring solutions to customers' needs, whether it be short term hire, sales, service or parts – and now training can be added to that list.

TRAINING ACADEMY

The Briggs Equipment Training Academy was opened in January 2016 in a purpose built training area at Mallusk solely dedicated to training for individuals and their employees on various machines and materials handling equipment and is already being extensively used by both corporate customers and private individuals who wish to obtain their forklift licence or other materials handling qualifications.

"We have the resources, expertise and experience to provide tailored forklift courses to meet customers' requirements. The courses are designed to enable companies to comply with current Health and Safety Legislation. Forklift driver training is also carried out on site, to enable both the forklift instructor and forklift operator to train in the environment that the operator will be working in."

All training courses provided by Briggs Equipment Training Academy are professional ITSSAR Standard Accredited.

The Training Academy can also provide safety training courses for self-sponsored and corporate clients of the following:

- Forklift Operator Training
- Telescopic / Handler
- Mobile Elevating Working Platform Operator (subject to hire of MEWP)
- Manual Handling
- Driver CPC
- Operc Safety Net Card
- Banksman
- LGV
- LGV Driving Assessments
- Abrasive Wheels
- First Aid

CONTACT

The Training Academy can be contacted on 028 9084 2537 or email NITRAINING@briggsequipment.co.uk

For competitive hire quotes, contact the Hire Team on 028 9084 2537 or email STR.NI@briggsequipment.co.uk



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Software has become a critical element of any business plan, for almost every company it has a huge impact on its performance - saving time, money, increasing business efficiencies and competitiveness.

The strategic as well as operational challenge is that software is not static; in fact, software and the processes and applications it touches are constantly changing.

inspHire take on this challenge and are continually developing and enhancing its products to meet the ever changing needs of the Hire Industry.

Having a hire software solution that can be relied on, and is always being updated to include the very latest technologies, is extremely important for any business wanting to keep their competitive edge. inspHire's customers drive new product development, ensuring that new features are useful and designed with the end user in mind and continuing to innovate and bring new solutions to

market helps hire companies stay ahead in today's competitive marketplace.

inspHire gives businesses complete control from start to finish, delivering powerful software solutions to increase productivity, minimise admin costs and maximise equipment utilisation.

KPI Reporting, Dashboards, Mobile and Business Intelligence tools give everyone involved in the business vital access to information ensuring the hire business stays at the top of its game.

Implementing inspHire hire management software, has given Morrison Utility Services a system able to track over 15,000 assets. Managing the on and off-hire process in terms of additions, disposals and depreciations has streamlined business processes and improved efficiencies.

inspHire is helping over 1800 businesses worldwide lower costs, boost performance, improve productivity and maximise equipment utilisation and ROI, turning hire software into their competitive advantage.

KDM Hire Ltd going from strength to strength

KDM Hire is one of the UK and Ireland's leading equipment rental companies offering a vast range of equipment with over 1000 different products available for hire.

Established in 1990 and operating from depots in Cookstown and Belfast, the business continues to invest significantly in new and replacement equipment to ensure its customers receive the highest levels of service.

KDM Hire was recently awarded Plant Hire Company of the Year 2015 in the prestigious Plant and Civil Engineer Awards. Following on from this success, it achieved Runner-Up in the esteemed Executive Hire Show Awards for Outstanding Multi-Depot Hire Company Passionate Hirer 10/10. Finalists were selected from the 10 previous Passionate Hirer Award Winners with KDM Hire a Winner in 2009.

Alongside general plant and equipment, KDM has long been an innovator in the Northern Ireland hire market, providing specialist equipment to various market sectors. The current investment programme is no different with recent additions to the fleet including a number of new products previously unavailable for hire in Northern Ireland.

Products include a range of tracked self-levelling Scissor Lifts from Italian manufacturer Almac and the first Genie SX150 Boom in Ireland, also one of the first in the UK. This 'Super Boom' features a working envelope ideal for the most extreme access jobs with a vertical reach of 152ft (46.33m) and horizontal reach of 80ft (24.4m).

A Manitou 2150 Roto Telehandler was also added to the fleet along with a quantity of standard telehandlers ranging from 6 to 18

metres. The MRT 2150 Privilege Plus is a rotating all-terrain telehandler which is ideally suited to construction and industrial applications. An absolute asset for handling operations, this 3-in-1 unit is simultaneously a telehandler, crane and work platform with full 360° rotation.

Further significant investment (estimated to be in excess of £3 million), including both new and replacement products, is planned throughout 2016. Watch this space...



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Bann Hire: Delivering an affordable service



Bann Hire was initially established as a small tool outlet in 2007 at its original site based at Rathriland Street in Banbridge.

With major quarrying and civils contractors operating in the area it became clear from the offset that Banbridge had a gap in the market for a Plant hire company. With heavy

investment coupled with a commitment to providing quality machines at reasonable prices BannHire and sales have become the leading supplier of plant tools and powered access in the Mid Ulster area. The recent investment see's its Banbridge depot move to new premises on the Scarva Road beside Murdock's Building Supplies.

Following on from the success of the Banbridge depot Bann Hire decided to open a second depot Based at Portadown to cover the increased demand for quality affordable plant hire. The Mahon Road depot opened its doors in 2009 and quickly established itself as the No1 rental solution in the Portadown area. Back in 2009 Northern Ireland was in the middle of a severe recession but Bann Hire seemed to buck the trend and continued to grow steadily and now provide its loyal customers with one of the youngest hire fleets in the industry comprising of powered access up to heights of 80ft, excavators 0.75 ton -21 ton, site dumpers from 1 ton – 10 tons.

In 2013 Bann Hire cast its network further north opening its 3rd depot this time in Co Antrim. The Moira Road based depot had previously been a hire depot for many yearsbut had lay idle for quite some time. Having seen a demand for its services from this area it seemed the right decision to venture into this next phase of its growth. Bann Hire now employ 18 members of staff and their sole aim is to provide a quality service at reasonable prices. Bann Hire don't sell on price they just offer a service that's priceless but affordable. At Bann Hire 'what they promise is what they deliver and they sell the problem they solve, not the price it costs.

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30 JUNE, LONDON

The UK has once more been hit by widespread flooding. Austerity cuts and increasingly frequent extreme weather mean that limited funds and resources have to do a lot more. People responsible for making flood management decisions have to prioritise and make sustainable, informed choices.

One third of the UK population live in South East England, which is the driest area in the UK. Supply and demand of water is a crucial challenge for engineers to manage and overcome.

ICE's Flooding and Water Management Conference in June will attract senior decision makers from across the supply chain to address how the UK needs to respond to deal with these issues.

Creating a joined up approach to water management and flooding resilience will allow for long term stability and smart use of resources.

Following 2015's Flooding conference, past ICE President Professor David Balmforth stated that "at ICE we believe fundamental change is needed in how we view flood management, and our concerns are shared by many others. I hope government heeds our advice".



DELEGATES WILL:

- Gain understanding of best practice
- Learn what works from the supply chain
- Understand the role of engineers working with the Government
- Take away a broader picture of managing water in the UK
- Prepare to build resilience into communities in the short and long term

REGISTRATION

There are three easy ways to register for this event:

- Book online via ice-flooding.com
- Call +44 (0)20 7665 2226
- Email a completed registration form to events@ice.org.uk

2016 Industry Journal Published Soon

QPANI will shortly be publishing its 2016 Industry Journal and comments QPANI's Regional Director Gordon Best: "I am delighted to say we have another excellent publication on the way."

He adds: "We are honoured that for the 2016 edition we have the First and deputy First Ministers writing our Foreword and messages from eight Executive Ministers.

"The focus of the 2016 Journal will be 'Delivering for Northern Ireland ... Sustaining Communities and Building Growth' and on portraying the positive message about the importance of the construction materials supply chain to our economy and how we help construct and maintain our built environment that's provides us with the quality of life many take for granted.

"It is not too late to contact us and get an advert and some editorial into the Journal. In particular we would welcome short articles and photos highlighting supply of materials to high profile infrastructure projects and of course the many examples you have of good environment and community work in the neighbourhood in which you operate."

Robinson Quarry Masters visit local primary schools

Robinson Quarry Masters recently visited two local primary schools to promote renewable energy.

The children of Broughshane PS and Moorfields PS enjoyed an eco-conscious reading experience when they were visited by Northern Irish author, Pauline Davison, and local businessman, Stephen Robinson from Robinson Quarry Masters.

The Primary 5, 6 and 7 children were each presented with a copy of a new educational and local publication, "Tommy the Turbine." This local publication emphasises the key themes of renewable energy, and how important this



Teachers and pupils with Stephen Robinson

is, not only for our environment, but also for our economy.

The book tells the fictional story of the journey of a little

wind turbine from his home in Canada, to his new life in the beautiful countryside of Northern Ireland. They know that Tommy is going to help to provide a source of renewable energy which will ensure the future of energy production, and our local industries.

The children were also treated to a short presentation on how Wind, solar and Hydro energy all contribute to providing green energy in Northern Ireland.

This publication has been sponsored by Stephen Robinson from Robinson Quarry Masters.

Engineering Rocks – Level 3 GOLD Construction Products Engineering Apprenticeship

Significant progress has been made on the development of the new Construction Materials Level 3 Engineering Apprenticeship with South West College and Southern Regional College. There are 15 QPANI member companies supporting the initiative.

The Level 3 GOLD Construction Products Engineering Apprenticeship provides an opportunity for young people to undertake an engineering based Level 3 BTEC National Diploma and NVQs at levels two and three whilst in employment with leading companies within our sector.

This development is seen as the starting point for a suite of learning and development opportunity which will be developed by the Colleges in partnership with QPANI and the industry as it seeks to provide progression pathways up to Foundation Degree and beyond.

Comments QPANI's Gordon Best: "As highlighted in the QPANI Age Profile Survey of 2015 our industry is an aging one and this presents a challenge to the sector; however with this challenge comes the opportunity to develop an apprenticeship programme which will attract new talent to the industry.

"A working group was established which, has over the last number of months worked diligently to source curriculum and develop a coherent message to attract young people to the industry."

The working group has developed the brand 'Engineering Rocks' to provide a focus for information and marketing of this and future initiatives and if you want to keep up to date with developments you can follow on Facebook: www.facebook.com/swcengineeringrocks

Concrete Built IS Better Built

QPANI's new 'Concrete Built IS Better Built' strapline is beginning to appear on an increasing number of the Association's members' delivery vehicles.

The Concrete Development Group, meanwhile, recently met with the Northern Ireland Federation of Housing Associations to discuss issues

of concern from construction material suppliers.

Among these were:

1. Use of Quality Assured Concrete and CE Marked materials.
2. Promotion of responsible sourcing and environmental best practice.
3. Use of competent and qualified concrete layers on housing association sites.

Comments QPANI's Gordon Best: "We have agreed to hold regular quarterly liaison meetings, facilitate direct liaison with key personnel within the Housing Association Design Teams and Procurement Teams and facilitate regular engagement between HAs and QPANI members at a local level."

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Online Bidding Grows at Euro Auctions



Euro Auctions latest event at its Dromore site attracted bidders from more than 35 countries, with some 44% of deals done online.

There were over 1,200 lots on offer over the two days of the auctions which pulled in more than 700 bidders from countries, apart from Ireland and the UK, that included France, Netherlands, Portugal, Poland, Belgium, Russia, Germany, Saudi Arabia, Egypt, Vietnam, Canada, Australia and New Zealand.

Among the vast range of items sold were excavators, telehandlers, rollers, backhoes, cars, vans, jeeps, commercial, forklifts, site dumpers, tracked dumpers and wheeled loaders.

Highlights of this latest auction included a 2013 CAT 349EL, a 2001 CAT LGP, a 2015 Mercedes Benz C220 Bluetec, and a 2014 Ford Transit 290.

Also featured was a 2009 Hitachi ZW310, a 2003 Finlay 683, a 2012 New Holland T7.220, a 2013 Fendt 720 Vario, a 2013 Fendt 415 Vario, a 2014 Hitachi 330LC-5, and two 2014 Doosan DX225LCAs.



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2013 Doosan DX300LCA



2012 CAT 323D



2012 Doosan DX225LC



2007 Kubota U50-3



2012 Kubota U48



2011 JCB 8008
- choice of 7



2004 Kubota RX141



2011 Volvo A40E
- choice of 3



2009 Volvo A35E



2011 CAT 740
- choice of 3



2011 CAT 962H



2013 CAT 966H
- choice of 2



2008 Volvo L180F



10-11 CAT D8T
- choice of 2



2012 CAT D6R XL



2012 Merlo P50.18
- choice of 2



06-07 JCB 540-170
- choice of 2



2007 JCB 535-125



2012 Bobcat S650
- choice of 4



2012 CAT 140K



06-07 Bomag BW24R
- choice of 4



2014 Bomag
BW120AD-5



2009 Neuson 9 Ton
- choice of 2



2016 Herbst 15 Ton
Twin Axle Dump Trailer



Unused FG Willson
P110-3 - choice



2008 CAT 12M

www.euroauctions.com



auction

Ritchie Bros. gears up



In the first three months of 2016, auctioneer Ritchie Bros. sold over 93,000 equipment items and registered over

125,500 bidders at its globally held auctions.

More than 11,300 equipment owners used the company's

unreserved auctions to sell equipment - an increase of 27% compared to the same period in 2015. The Ritchie

Bros.' UK team conducted two equipment auctions at the site in Donington Park, that combined featured well over 2,000 lots.

On Tuesday May 10th Ritchie Bros. will hold its next auction in Donington Park and businesses are now adding items to this sale. On the auction day a variety of plant machinery and trucks will be sold without reserve prices, including excavators, lifts, wheel loaders, dump trucks, tractors and much more.

The auction is an opportunity for both buyers and sellers. Businesses of all sorts and sizes to sell their surplus trucks and machinery at Ritchie Bros. auctions. It's efficient and helps them get fair market value.

At an average Donington Park auction, bidders from fifty countries join in person and online. With an international crowd of bidders, the seller is assured their items are sold on auction day for fair market value.

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Register your interest to attend FLOODEx at www.floodex.co.uk

Contact: Jon Irwin +44 (0)203 290 4066 jon@floodex.co.uk





Doosan Launches New Stage IV DX235LC-5 Excavator

Doosan Construction Equipment has launched the new Stage IV compliant DX235LC-5 crawler excavator, the latest in the company's new 'LC-5' generation of excavators, offering enhanced comfort and controllability with new features to boost fuel efficiency, uptime and return on investment, with a focus on increased power, robustness and agility.

The DX235LC-5 combines a 2.99 m width undercarriage, a 900 kg increase in weight and a much heavier counterweight (5000 kg vs 4300 kg on the DX225LC-3) with strengthening in the arm and boom (including the cylinders).

As a result, it offers much higher bucket and arm forces. The arm force is on average 7 to 8% higher than that of the DX225LC-3 and the difference between the two machines is even more stark where the bucket force is concerned, where it is 15 to 16% higher in the new DX235LC-5 model. It also delivers higher lifting forces - +6% more lifting capacity over the front (7.71 t) and +8% more lifting capacity over the side (4.92 t).

Featuring the distinctive new machine styling scheme common to all new Doosan LC-5

generation excavators, the DX235LC-5 is powered by the well-proven 6-cylinder, turbocharged Doosan DL06P water-cooled diesel engine.

New innovative and exclusive features have been introduced providing an overall 9% increase in fuel efficiency. Among these features is the new 'Trip Meter Setting' screen which allows operators to check fuel consumption daily (or over a desired period) directly from the control panel and to save even more fuel, there is a special Doosan-developed system, Smart Power Control (SPC), to optimise the balance between the pumps' output and the diesel engine.

The new cab is bigger than that in the DX225LC-3 and has been further refined for outstanding operator comfort and ease of operation.

The joysticks have also been shortened to reduce the effort required to operate them and an additional pedal for straight travel has now been installed on the left of the main travel pedals, a very useful feature when travelling straight over longer distances. The operator console has been moved onto the seat suspension to reduce vibrations. This gives the operator much better control with the joystick in rough operation.

Groundforce expands operations

To accommodate continued expansion and growth across its divisions, Groundforce has opened a new 'super' depot in Derby, which will incorporate four of the company's businesses.

The new 4.3 acre site includes, Groundforce Shorco, U Mole, Major Projects and Groundforce Bridge and will offer customers a new, one-stop-shop facility and a faster delivery service across The Midlands and North Wales.

Groundforce now has 17 depots across the UK and Ireland, providing a comprehensive range of equipment and solutions to the construction industry.

IAPA winners revealed in Madrid

More than 400 industry professionals gathered recently in Madrid, Spain to recognise and honour the winners of the International Awards for Powered Access (IAPAs).

Jointly organised by Access International and IPAF, the IAPAs celebrate best practice and excellence in the powered access industry.

The next IPAF Summit and IAPAs will be held on 4 April 2017 at the Hilton Hotel, Wembley in London.

Terex Construction Launches Two New Site Dumpers

Terex Construction has announced new model additions to its heavy-duty site dumper portfolio. Featuring nine tonne payloads and swivel skip functionality, the TA9S and TA9SP will be available worldwide from June 2016.

With Synchro Shuttle transmission, the TA9S is perfectly suited to working on tight construction sites and provides class-leading tipping and slewing cycle times. Combined with swivel configuration, this

makes the site dumper flexible enough to work in the most restrictive conditions.

The TA9SP comes with Powershift transmission to make gear shifts easier and more efficient. Optional Autoshift technology is designed to change gears at optimised points, helping to promote improved fuel efficiencies, productivity and simpler operation. Both models are Tier 4 Final compliant, meeting the highest international emissions regulations.

Mark Royse, Product Manager – Site Dumpers and Compaction Rollers at Terex, is confident that these new model additions place the Terex site dumper range at the forefront of the marketplace. "Meeting the latest standard in forward visibility and featuring a number of new technology additions, we're confident that our TA9S and TA9SP will be a welcome addition to the Terex range. Launching these two new models is significant, as it offers increased flexibility to meet our customers' needs."

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CASE STUDY:

Powerscreen's 1000 Maxtrak Impresses O'Reilly Bros. Wicklow



O'Reilly Bros. Wicklow Ltd., based in Ashford Co. Wicklow, known locally as Ballylusk Quarry, says its new Powerscreen 1000 Maxtrak is saving them over 20 litres of diesel per hour.

The company predominantly works with Quartzite supplying to a wide customer base throughout Ireland and the U.K.

The quarry has a configuration where a Powerscreen Jaw crusher is fed blasted rock. This in turn feeds the Powerscreen 1000 Maxtrak a 75mm product. The cone crusher in turn reduces the size further. Once this has cleared the Powerscreen 2100 Chieftain the quarry has 3 products. 60% of this is a 14mm chip, 30% is dust & 10% is an 11 mm chip. The dust is later rescreened to remove the 10mm & 6 mm chip.

This 6mm is exported to the U.K. for walkways due to the colour being a bright yellow

which changes when wet. It works well for wheelchair grip and allows for great soakage. The mid-sized is used for road ways & driveways While the majority of the oversized is sold as chippings to the public and garden centers loose, in 1 tonne bags and 25kg bags. "If we keep this machine as long as the last one, then we know that the diesel savings alone will pay for this machine during its lifetime. This is to say nothing of the downtime we saved from having a new machine. Since this machine landed on site last October we have not had one issue with it," says Pat Flynn, O'Reilly Bros. Wicklow Ltd.

ORIGINAL PROBLEM

O'Reilly Brothers were using a Powerscreen 2001, 1000 Maxtrak with the exact same set up as we find today. The decision that they were faced with was to either spend money on a 14 year old machine or replace it.

If they kept this machine, then it would have required some investment to ensure that it continued to work for the next 5+ years. Looking towards 2020 they know that after an outlay on in 2015 on the 2001 model, the machine would be of little value to them. As such it was felt that investment in their fleet of machines was warranted and so began the search for a new model.

ADDRESSING THE PROBLEM

Prior to buying the new Powerscreen 1000 Maxtrak, O'Reilly Bros. Wicklow Ltd looked at two other machines.

Let's call the first one 'Machine A.' It did have one small advantage over the Maxtrak. This was an electronic magnet fitted near the metal detector. However this machine was problematic and required a fitter on site for 2 weeks to fix this issue.



BALLYLUK QUARRY

'Machine B' simply could not handle the work. There was constant issues with it overheating and the company made no effort to address this.

1000 MAXTRAK

O'Reilly Bros. Wicklow Ltd stated that while the Powerscreen 1000 Maxtrak was the obvious choice for them, the decision was not down to the fact that they had been using one for the past 14 years. During the testing process it was the best fit for them based on independent testing. Both the old and new Powerscreen Maxtrak machines produced a far superior shaped stone than the competitors, producing a near perfect cube for Ballylusk quarries.

Stones produced by all 3 machines were sent for testing to an independent company for blind testing, the results of which favored the Maxtrak. In addition to this, all 3 machines

were tested for output, and again the Powerscreen 1000 Maxtrak was the clear winner.

An excavator feeds a Powerscreen Pegson 1100 x 650 Jaw Crusher. This is set at 75mm. From here all content goes into the Powerscreen 1000 Maxtrak. Product leaving here is set to 14mm and this then feeds the Powerscreen 2100 Chieftain. The Powerscreen 2100 Chieftain splits 4 ways, the oversize feeds back into the Powerscreen 1000 Maxtrak, the majority of the product is a 14mm chip, followed by dust and then an 11mm chip.

FINANCIAL IMPACT

The client has described how they were surprised with the fuel consumption. Using

the same configuration the 2001 model was using 50 /55 litres per hour. In contrast to this the 2015, 1000 Maxtrak is using approximately 25/30 litres per hour, which is delivered through the Scania DC09 Tier 4 engine.

While this fluctuates, when the machines are running for 7 hours per day and while fuel is at a record low this is still the equivalent saving of €25,000 per year. (Note: Fuel consumption will vary depending on application.)

MotoCut Makes Light Work of Pile Cutting

Cutting your way through concrete piles can be challenging and physically demanding – but it doesn't have to be, thanks to a new generation of cutting device known as the MotoCut.

The MotoCut pile cutter, which easily attaches to an excavator, is hailed as the first solution on the market to carry out the pile cutting with diamond blades. It cuts concrete piles quickly, safely, easily and without compromising on quality.

The MotoCut pile cutter, which carries an international patent, is a Finnish innovation; it won the Quality Innovation of the Year 2012 Competition arranged by the Finnish Quality Association LaatuKeskus Excellence Finland.

MotoCut's Area Sales Director David MacLynn believes it has enormous potential here; it has already proved its worth in many other countries.

"Attached to an excavator, where it gets its power, its ease of use and reliability are unparalleled," says David. "The pile cutter displaces manual labour in physically heavy pile cutting work. The world market does not have a similar device that would operate with diamond blades."

The results are described as 'flawless and uniform,' as the pile cutter collects the excess part of the pile out of the way of new work phases.

Due to its safe, compact size, it is suitable for all sites, and is easily transportable from job to job. It also significantly increases occupational safety as workers do not need to be near heavy piles.

Specialising in auxiliary equipment for excavators, MotoCut Oy was founded in 2012 with the aim of making excavators even more versatile and more cost-effective. The MotoCut pile cutter, its first product which came on the market in 2014, certainly does that!

Concrete's Role in Construction Continues to Evolve

Evolving either brings to mind connotations of Darwin's early man learning to use tools to improve his well-being or modern advances in specialist engineering products to keep one step ahead of competitors. Both are facets of the same process and come forth gradually into being, develop and undergo constant evolution.

Since its inception – whether considered to be from the time of Roman aqueducts or the inclusion of reinforcement at the end of the 1800s – concrete as a material, its component parts and its role in construction, has been inexorably evolving.

In the modern world, materials have to adapt to meet expectations. Environmental aspects are a major influence, as are aesthetics and pure engineering endeavour to achieve durable structures. Concrete in all its forms needs to adapt to satisfy the demands society makes.

Performance, Specification and Practice in concrete construction is the theme for the Evolving Concrete 2016 technical seminar and exhibition, organised by The Concrete Society and taking place in Reading this October.

The move towards performance specification, rather than prescriptive, to encourage innovation is an emerging subject and will be covered alongside the practicalities of constructing in concrete. Evolving techniques such as flexible fabric formwork to create geometric curves as opposed to ridged timber moulds, the introduction of low-carbon geopolymer cement to counter that of Portland cement, control of alternative reinforcement to ensure compliance and a case study of the Lyme Regis coastal protection construction in adverse conditions will form the programme.

Aesthetics, imparted by the concrete's constituents, how its surface is finish or by the overall elegance of the finished building will be consistently part of the discussion.

The one-day Evolving Concrete event, following on from its successful debut in London last year, will be opened by distinguished keynote speakers Stephen Hodder MBE, Immediate Past President of RIBA, and Alan Crossman, current President of the Institution of Structural Engineers.

This full-day conference will be held on 20 October 2016 and draws upon The Society's position as a centre for independent technical knowledge. The CPD-registered presentations aim to educate, inform and explore the technical issues that are currently challenging the concrete construction industry. The event will be of particular interest to architects, consultant engineers and contractors.

Kathy Calverley, Managing Director of The Concrete Society, said, "As a not-for-profit organisation, The Concrete Society is delighted to organise this one-day technical seminar and exhibition for the industry as a whole. We are very proud of attracting industry's finest to present and share their knowledge to delegates, ensuring that the constant challenges of design, performance demands, social and environmental issues continue to be addressed with best-practice methods."

The Concrete Society celebrates its 50th anniversary this year, being founded in 1966. It remains an independent technical organisation with a broad membership base that includes professional engineers and designers, the contracting and material supply industry, academia and client bodies from over 60 countries.

The Society offers a comprehensive portfolio of products and services to the industry including its highly regarded advisory service, which offers prompt and impartial support to industry clients either on-site or by telephone and e-mail.

It is also held in high regard for its magazines and technical reports, providing an invaluable information resource and operating the world's largest collection of cement- and concrete-related material, with references now numbering in excess of 157,000.

New Publication Highlights Vital Role of Ready-Mixed Concrete for UK Infrastructure

Mineral Products Association (MPA) is launching a new publication, 'Ready-mixed concrete: Essential, Local, Sustainable', highlighting how versatile and vital the material is to the construction industry, why the industry is important and examples of infrastructure projects the industry is currently supporting.

Steve Crompton, Chair of the British Ready-Mixed Concrete Association, welcomed the report, adding: "This report shows the industry to be innovative and sustainable delivering a high quality essential material. Ready-mixed concrete is vital for building the infrastructure that our society depends upon. Our members remain committed to meeting the future needs of the nation by supplying quality assured concretes to meet all applications."

About 16 million cubic metres of ready mixed concrete is used in Britain annually for building homes, schools and other essential infrastructure from hospitals to highways. Although often unseen as foundations, floors and structural frames, it is essential to all forms of construction.

The ready-mixed concrete industry provides quality assured, technically versatile and sustainable products. Concrete's robustness as a material that naturally is both flood and fire resistant, coupled with the fact that it is produced locally, makes it an environmentally friendly material to use.

In addition to its long life, the maintenance costs of concrete are also inherently low. Ready-mixed concrete operations are socially responsible.

As responsible employers, MPA members are committed to improving health and safety and encouraging healthy lifestyles in which the working environment is of positive benefit. Further, the

quarries from which raw materials are sourced all have restoration plans to ensure that, in the long term, they can be used to the benefit of society.

Ready-mixed concrete is an essential material for delivering infrastructure projects across the UK.

At least one million cubic metres of concrete will be needed to build EDF Energy's planned nuclear plant at Hinkley Point in Somerset and Swansea's £1 billion planned tidal lagoon will also demand large volumes of ready-mixed concrete.

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NI Branch representative of the Transport Planning Society - Mr Stephen Wood, Group Chief Executive for NITHC & Translink - Mr Chris Conway, Deputy Secretary of TransportNI and CIHT NI Region past Chairman - Dr Andrew Murray



University of Ulster lecturer and CIHT NI Region committee member - Dr Robert Eadie, CIHT NI Region Chair - Mrs Louise Dougan, University of Ulster winner of CIHT student award - Mr Simon Byrne



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NI Region Chair - Mrs Louise Dougan, Louise's husband - Mr Paul Dougan.



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2 new 080-4 kubota diggers going to cp hire - D.A.Forgie.



New Komatsu PC490LC-10 recently sold to TH Moore Contracts Ltd from WAC McCandless



A new Hanix H27DR for Drumlough Developments from Ballyward Plant Services.



New Hitachi ZX135US-5 excavator sold to Encore Developments Ltd, Dungannon - TBF Thompson.



2 x Thwaites AD1 tonne hi-tip dumpers re Point Hire, Warrenpoint - TBF Thompson.



Harry Quinn from Randalstown taking delivery of his new Weidemann 5080T from Wilson's of Rathkenny. Sold by Sales Executive John O'Boyle. Michael and Sheila Murray are pictured.



A Schaffer 9630T ready to be delivered to JR Tinsley in Dromore Co.Tyrone by Alan Milne Tractors in Newry.



New MF 5612 complete with Loader being delivered by Alan Milne Tractors to Hawthorne Partnership in Newtownhamilton Co. Armagh.



1 x Terex TA9 dumper sold to local hire company - SLEATOR PLANT & NORWEST PLANT LTD.



Bomag BW90AD-5 roller re J B Plant & Tool Hire Ltd, Dungannon - TBF Thompson.



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New Bomag BW90AD-5 roller sold to R P Tarmac Services, Limavady - TBF Thompson.



David McCullough with another new 320EL for RGM Construction - FINNING



PC 130-8 Komatsu and new Robi dg15 supplied to access waste from FJS Plant Repairs.



2 x Takeuchi TB216 being delivered to ME Plant in Dublin by Alan Milne Tractors Newry.



New Fendt 312 Vario being delivered to P. Grimes in Pomeroy Co. Tyrone by Alan Milne Tractors Newry.



Mc Landscapes with Bobcat E10 supplied by Northern Excavators.



Lads from Kells Hire taking delivery of 3 New U48-4 Kubota Excavators supplied by FJS Plant Kildare.



New Hitachi ZX26U-5 excavator sold to John Graham Construction Ltd, Hillsborough - TBF Thompson.



A new Massey Ferguson 6615 being delivered to TJ McAree in Tynan Co. Armagh by Alan Milne Tractors Newry.



New Hitachi ZX55US-5 excavator sold to Auld Partnership, Portstewart - TBF Thompson.



A new Dieci Mini Agri 25.6 on its way to Mr Kevin McPolin in Cabra Co. Down from Dieci Ltd Newry.

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2 x Terex TA6S dumpers sold to JFM Construction Ltd - SLEATOR PLANT & NORWEST PLANT LTD.



First 336FL in Northern Ireland for Herron Contractors Ltd working on the Magherafelt bypass - FINNING.



Mr Matt Hogg of Alan Milne Tractors with John Sheridan from Kells Co. Meath taking delivery of a year 2010 Fendt 820.



Bomag BW120AD-5 roller re J B plant & Tool Hire Ltd, Omagh - TBF Thompson.



1 x Terex TA9 dumper sold to local hire company - SLEATOR PLANT & NORWEST PLANT LTD.



W.J McCann & Sons from Bangor receiving their new Weidemann 5080T from Wilsons of Rathkenny. Sold by Sales Executive John O'Boyle.



McGuirk Hire taking delivery of New u48-4 Kubota and 2 new U27-4 Kubota machines - Sold by FJS Plant Repairs Ltd.



New Hitachi ZX130LCN-5 excavator sold to J F M Construction Ltd, Toomebridge - TBF Thompson.



New Fendt 513 complete with loader and Kverneland Plough delivered to D Wilson in Kilkeel from Alan Milne Tractors Newry.



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3 new p25.6 Merlo going to KDM hire - D.A.Forgie



3 new Takeuchi mini diggers, 2 x TB228 & 1 x TB210, ready to be delivered to JN Hire in Kilkeel Co. Down by Alan Millne Tractors Newry



A new Hanix H27DR for E Flynn Developments, from Ballyward Plant Services



Chris Armstrong from Co. Cavan taking delivery of his new Greenmech Arborist 150mm 34hp diesel wood chipper - M Large Forestry Equipment



Sean (inside the cab) & Brendan McManus from Drogheda collecting the New Fendt 828 Black at AlanMilne Tractors in Newry



New Komatsu PC138US-10 ready for delivery to King Construction from WAC McCandless



Mark from MN Contracts collecting his new Giant Tendo 4548 from Ballyward Plant Services



New Komatsu PC170LC-10 for Ryan Rogan Contracts from WAC McCandless



2 x Takeuchi TB210 sold to MB Hire in Belfast and 1 x TB15fr sold to Island View Hire in Toomebridge by Alan Milne Tractors in Newry



New Bomag BW213DH-4i roller sold to K D M Hire Ltd, Cookstown - TBF Thompson



Hitachi ZX33U-5 excavator re J & K Contracts Ltd, Cookstown - TBF Thompson

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Celtic Tree Solutions Ltd taking delivery of a new Carlton special 2015 radio controlled stump grinder - M Large Forestry Equipment



A new Giant V4502T for J Wallace, from Ballyward Plant Services



Site manager George Peel and foreman Johnny Sharples with new 320EL for Biffa Cottonmount Site - FINNING



Padragh & Andrew Creaghton - Kilbride Plant Services, Taking delivery of 1 new Kubota KX080-4 from FJS Plant Repairs



New Hitachi ZX33U-5 excavator sold to Noel McQuaid & Son Ltd, Dromore, Co Tyrone - TBF Thompson



4 x Cat 305E2 CR for CP Hire Ltd - FINNING



Vogele S 1300-3i tracked paver sold in Ireland to Pat Ashe Tarmacadam, Co Kerry - Wirtgen Ireland



1 x Terex TA1EH dumper sold to Manley Contracts Ltd - SLEATOR PLANT & NORWEST PLANT LTD



AG Wilson collecting Their new Hanix H55DR from Ballyward Plant Services.



John from H&P Hire taking delivery of a new Kaeser M43, 150cfm compressor from Glendun Plant



Staff at Wicklow Plant and Tool Hire, pictured here taking delivery of their new Greenmech ARB150 34hp along with a Carlton SP900 pedestrian stump grinder - M Large Forestry Equipment



KPM Surfacing - New Wacker Neuson 1501 1.5ton high tip dumper - Glendun Plant Sales



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New Atlas Copco CC1200 Roller for DMC Hire from WAC McCandless



Michael McCarroll from McCarroll Plant Hire, pictured here taking delivery of his new Greenmech ARB150 34hp - M Large Forestry Equipment



Ryan Rogan collecting his new Komatsu PC26MR-3 from WAC McCandless



Bann Hire - Portadown. Brendan and Andrew taking delivery of their new Wacker Neuson 1001 1 ton high tip dumper - Glendun Plant Sales



1 of 2 new Atlas Copco Cobra petrol breakers for PK Murphy from WAC McCandless



Tony Marley taking delivery of a new Niftylift 120TPE from Glendun Plant



Adrian Dobbs from Adman taking delivery of 4 X Wacker Neuson 6&9 ton swivel skip dumpers - Glendun Plant Sales



Martin Delaney from Bann Hire, Lisburn taking delivery of his new Wacker Neuson 3001 3 ton swivel dumper - Glendun Plant Sales



New 320EL RR for D.J. Kane of Bushmills - FINNING.



Haven Hire, Naas taking delivery of their two new Greenmech ARB150 34hp chippers - M Large Forestry Equipment



EJC Contracts - new Wacker Neuson 7523 excavator. Daniel & Eddie Connolly taking delivery - Glendun Plant Sales

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SK55SRx-6 ready for Mulleady Civils, Co. Longford from McSharry Bros



SK350LC-9 en route to John Kirrane Plant Hire Ltd., Co. Mayo from McSharry Bros.



SK140SRLC-3 ready for Mulleady Civils, Co. Longford from McSharry Bros



SK140SRLC-3 Liam Maher Plant Hire, Co. Tipperary in his new Kobelco from McSharry Bros.



SK140SRLC-3 Gerard McAleer of McAleer Contracts, Co. Tyrone about to leave McSharry Bros with his new Kobelco.

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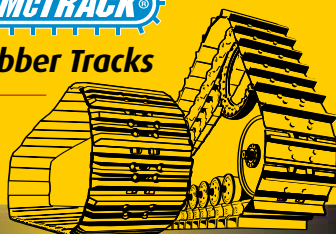
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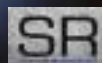
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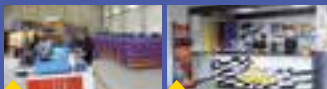
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




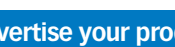



















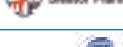




































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