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It's a busy time across many sectors of our industry, with the good news far outweighing the bad. How long has it been since we have been able to say that? And the outlook is even more promising, according to some reports.

The latest CSN Industry Insights Report for NI 2016-2020, for example, predicts the performance of the local construction industry over the next five years is expected to show a 3% average annual growth in both public and private housing – and that's higher than the UK rate of 2.5%

The Report also says growth will come from infrastructure driven by water and sewage work in the short term and transport over the longer term and it adds that hospitals and education work should benefit the public non-housing sector, with the commercial construction sector already seeing an upsurge in hotel building work.

Certainly, that increased activity is borne out by a healthy hire sector, in particular. HSS Hire, for instance, has recently opened new depots in both the north and south of the country to cope with increasing demand, and plant and machinery dealers are enjoying some significant orders.

Meanwhile, exhibitors, including most of the leading manufacturers and dealerships, have been rushing to take part in a number of forthcoming shows, not least Bauma, Balmoral and Scotplant, comprehensive previews of which we carry in this issue.

Also in this issue, we take a look at the latest rollers and compactors, what's new in tippers, and what members of the Chartered Institution of Highways and Transportation have achieved over the past year.

We also have everything you need to know about our Plant, Construction and Quarry Awards 2016. Last year's return of the Awards Night after an absence of some years due to the effects of the recession was a resounding success, and plans are already well underway to make the 2016 event an even bigger showcase, so now is the time to start thinking about your participation because we would love to see you there!

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

Until the next time, enjoy!

Justin Carrigan

General Manager

Email: Justin@4squaremedia.net

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Atlas Copco Compressors completes 50th anniversary celebrations in Ireland



Atlas Copco Compressors in Ireland rounded off its 50th anniversary year with a celebration for current and former staff members, associates and special guests at the Guinness Storehouse in Dublin. The company's newly-appointed Country Manager, Alexander Pavlov hosted a gala lunch and introduced a series of stories and photographs charting 50 years of growth.

Reflecting on a 12-month of programme of celebratory events and activities, Alexander Pavlov said: "The past year has been an excellent opportunity to highlight the integral role Atlas Copco Compressors has played in Ireland's industrial community, serving major

players in the manufacturing, pharmaceutical, electronics and food sectors. However, as well as looking back, it is also a time to look forward. Considerable investment has been made in Atlas Copco's Ireland operation during the past couple of years alone and we are now building an even stronger presence, with economic indications suggesting a bright future lies ahead."

Commemorative activities during 2015 included a staff trip to the Mondello Park racing circuit and customer receptions at major rugby and football events.

As the largest supplier of compressed air products and services in Ireland, Atlas Copco

has more than 30 technical sales, service and support staff at facilities in Dublin, Cork and Lisburn, including a fully-equipped compressor engineering workshop.

A positive year of trading was assisted in the west of the country by the appointment of Galway-based C&L Industrial Ltd as a distributor for industrial air compressors and spare parts.

Demand for equipment such as the GA VSD+ range of compressors, which reduce energy consumption by as much as 50 per cent compared with their more traditional fixed-speed counterparts, suggests that efficient production is high on the agenda of industrial companies in Ireland. Additionally, the ZS range of screw blowers, which assist in aeration processes, have been well received by industrial and municipal waste water plants.

Guests at the final 50th anniversary gala of the year included Andrew Walker, former Country Manager for Atlas Copco in Ireland and current President of the Construction Technique business area. Also in attendance was Dirk Ville, General Manager of Atlas Copco Compressors in the UK, and Alex Bongaerts, the Antwerp-based Vice-President of Atlas Copco Holdings in the Benelux countries, France, Great Britain and Ireland. Other guests included employees from Edwards, the vacuum business that Atlas Copco acquired in 2013.

Briggs Equipment: An Apology

Briggs Equipment Ltd would like to apologise for a misunderstanding in an earlier edition of the Plant & Civil Engineer magazine.

Briggs Equipment Ltd are not able to offer IPAF Training at this time as an approved IPAF Training centre but are delighted to be IPAF members.

It is the intention of Briggs Equipment Ltd to become an approved IPAF training centre in the coming months and are working very closely with IPAF.

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Finning Announces UK and Ireland Executive Leadership Transition

Finning UK and Ireland has announced that managing director, Neil Dickinson has retired from the company following a distinguished 36 year career. Kevin Parkes, current director of the equipment solution division, has been appointed managing director to succeed him.

Kevin assumed the role on February 1, 2016, and Neil will assist in the leadership transition and remain with the company in an advisory capacity until the end of March 2016. As managing director, Kevin will join the company's senior leadership team and report to Finning's chief executive officer Scott Thomson.

Neil began his career in 1979 as a graduate trainee with Leverton which was acquired by Finning in 1997. He has held a variety of operational and leadership roles across the UK and Canada, including positions in human

resources, heavy construction and power systems, and has led the Finning UK and Ireland business since 2010.

"Neil has made significant contributions to the company throughout his long career and has provided outstanding leadership to our UK and Ireland business," said Finning chief executive officer, Scott Thomson. "Neil's passion and commitment to Finning are evident in the enviable safety record achieved by our UK and Ireland team as well as his deep relationships with customers and across the Caterpillar organisation."

Commenting on his retirement, Neil said: "I believe this is the right time for me to retire from Finning and for Kevin to assume his place as the leader of the UK and Ireland operations. I am proud of our accomplishments as a team, particularly our adaptability in a competitive environment and our



**Kevin Parkes appointed
Finning UK & Ireland
Managing Director**

strong safety results. I'm confident that under Kevin's leadership, the Finning UK and Ireland business will continue to drive business results and exceed customer expectations."

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Kubota Construction Launches New Finance Solution

Kubota UK has launched a bespoke finance solution for its range of market-leading and high performance construction machinery, further boosting its commitment to increase customer value.

The company has joined forces with BNP Paribas Leasing Solutions to introduce Kubota Finance, which is designed to provide customers with the most flexible and competitive financial packages available on the market. Neil Winfield, Construction Business Development Manager at Kubota, said: "The launch of our own bespoke finance packages means we can now offer highly competitive, secure and tailor-made financial solutions to our customers. This is all about enhancing our service offering by providing our dealers with the means to support customer investment using tailor-made finance solutions.

"Ultimately, the aim of Kubota Finance is all about giving end-users better and more affordable access to Kubota machinery. We launched the solution across our Agricultural and Groundcare machinery divisions last year and the feedback we have received to date has been excellent. We are therefore delighted to now be rolling this out across our range of mini-excavators and construction equipment."

Kubota's customers can choose between four finance packages: Hire Purchase, Operating Lease, Contract Hire and Finance Lease. Each option offers unique benefits for total flexibility.

Northern Ireland Construction Industry set for growth over next five years

After six years of contraction, which took the construction sector in Northern Ireland in 2013 down to just 57% of its 2007 peak, output stabilised in 2014. Having finally returned to growth in 2015, construction output in Northern Ireland is predicted to have an annual average growth of 3% over the next five years, higher than the UK rate of 2.5%.

According to the CSN Industry Insights Report for NI 2016-2020, the performance of the local construction industry over the next five years is expected to show a 3% average annual growth in both public and private housing. Growth in infrastructure is driven by water and sewage work in the short term and transport over the longer term. Hospitals and education work should benefit the public non-housing sector and the commercial construction sector is seeing an upsurge in hotel building work.

Employment growth is projected to average 1.5% a year over the 2016 to 2020 period, above the UK rate of 1.1%. Demand is projected to be strongest in some of the managerial / supervisory and professional occupational categories, especially construction project managers (2.9%), construction trades supervisors (3.2%), and architects (3.1%), but some trades show strong growth as well, such as bricklayers (3.7%) and wood trades and interior fit out (3.4%). Northern Ireland's Annual Recruitment Requirement (ARR), at 1,760 for the 2016 to 2020 period shows further growth from last year when the requirement was for 1,490 a year on average between 2015 and 2019. This represents a considerable expansion of the ARR since its low of 660 forecast in 2012 for the 2013 to 2017 period.

Barry Neilson, Chief Executive, CITB NI said, "The past few years have been really tough for the construction sector but as the CSN Industry Insights Report shows, we really seem to be over the worst and we will start to see real growth in our local construction industry over the next five years. Developments in the commercial sector will drive growth, and the promised delivery of further investment by Government in capital expenditure projects will be vital to ensure that future growth is sustained.

"Skills are widely accepted as a key driver in how Northern Ireland can achieve our economic goals, preparing our young people for work, investing in the skills of those already in work, and ensuring that we have the skills required to grow the economy are essential for all sectors, in particular construction. It is also interesting that the high areas of demand in skills are focused on supervisor and managerial skills

"In response to the ongoing skills challenge, CITB NI has developed a new virtual environment training facility which will bring a new dimension to construction training. We are also developing the skills of supervisors and leaders through our Site Supervisor and Leader in Construction Programmes. We also continually promote construction careers to the younger generation through our website, careers fairs and working closely with the Department for Employment and Learning through their careers advisors. By encouraging new entrants, attracting those workers who have left the industry to return, and upskilling those currently in the sector, we can help deliver the upcoming projects forecast for Northern Ireland faster and better."

Major Strangford Ferry infrastructure improvement works on the way

A £750,000 contract for improvements to the Strangford Lough off-shore moorings and ferry slipway has been awarded to Saintfield - based company Dawson-WAM Ltd.

The contractors will carry out the works over the next few months in preparation for the delivery of the new Strangford Lough Ferry Service vehicle ferry in autumn 2016.

Transport Minister Michelle McIlveen said: "I want to congratulate local firm Dawson-WAM which will carry out the essential improvements.

"I recently visited ship builders Cammell Laird to view the progress on the construction of the new Strangford Ferry. It was really impressive to see the

progress being made and to hear that the build is on schedule.

"This £6million investment by the NI Executive will see the replacement of the existing MV Strangford, which is now over 40 years old. The new modern ferry has been designed specifically for this important route and will provide a more reliable and efficient ferry service for the public in the years ahead.

"Whilst at the shipyard, I also visited the MV Portaferry II, the main vehicle ferry which operates on the Strangford Lough Ferry Service. The MV Portaferry II was in dry-dock in the Cammell Laird shipyard undergoing an extensive refurbishment, costing £400,000. These essential maintenance works are necessary to meet Maritime and Coastguard Agency

safety standards and will ensure that the vessel is fit for service for many years to come."

Construction work to re-grade the Strangford slipway is underway and is due to be complete in approximately 12 weeks. Installation of the new moorings will be completed in the same period.

During the construction period there may be some disruption due to construction traffic particularly in the immediate Harbour area and in the vicinity of Strangford Green. Transport NI, however, will work closely with contractor to ensure that the works are carefully programmed and every effort will be made to minimise any inconvenience to local residents, harbour users and ferry passengers.

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New Managing Director at Telestack

Telestack, specialists in the design, manufacture and installation of mobile bulk material handling systems, has appointed Martin Dummigan as its new Managing Director with immediate effect.

Martin will be responsible for setting and achieving Telestack's goals and objectives and will report to the Group Vice President Aggregates & Mining, Jeff Elliott.



Martin Dummigan, new Managing Director

Says Martin: "I look forward to expanding Telestack's business globally and building on the strong growth that it has experienced over the last number of years. The Telestack brand has an excellent reputation in the industry and I am confident of a positive and strong future for the company."

Martin studied at Queens University in Belfast and received a Master (MSc) in Electrical and Electronic Engineering.

Joining Telestack from Terex, Martin has had various roles in his 10 year tenure. His last role saw him serve as Vice President, China Operations and Business Initiatives for Terex and was based in Xiamen in China. Prior to this, he served in various positions of increasing responsibility within Terex, including Terex Environmental Equipment, Terex Materials Processing, Terex Cranes and Terex Port Solutions, all with an emphasis on Operations.



CP Hire managing director Andrew Hutchinson (left) and Sleator Plant general manager Jonathan Campbell

Sleator Plant Rolls Out Record-Breaking Sales Contract

Terex Distributor Sleator Plant has secured a record-breaking order for heavy-duty site dumpers.

The 70-unit order, coming from multi-national plant hire business CP Hire, will see a combination of one, three, six and nine-tonne Terex site dumpers manufactured and supplied throughout 2016.

Set to be rented and operated by site professionals across the British Isles, this is the largest site dumper supply contract agreed in Northern Ireland in nearly a decade.

Jonathan Campbell, General Manager of Sleator Plant, comments: "In 2014, we announced one of the country's largest-ever site dumper contracts. The 54-unit deal, made by CP Hire, was nearly ten times higher than any order placed in Northern Ireland over the past five years."

"Thanks to excellent product performance, customer support, back-up, servicing, training and maintenance provision, the agreement was delivered to deadline and our relationship with CP Hire continued to grow. In fact, throughout the rest of the year, we supported the business with a selection of one-off units to service a number of new contracts and projects, taking the total supply figure to 65 dumpers."

He continues: "Twelve months later, following incremental growth by both companies, CP Hire has further grown its rental fleet and placed an order for 70 more Terex site dumpers for 2016. A sign of the UK's recovering economy, this is a

great story for the manufacturing and construction industries."

Speaking about placing the order, Andrew Hutchinson, CP Hire's Managing Director, said: "With a wide range of high-quality site dumper models available on short lead times, Terex was the obvious choice for us. We have a very positive relationship with Sleator Plant, our local dealer, which delivers a hassle-free service and an excellent backup and maintenance provision."

The contract will be fulfilled by Terex Construction's manufacturing facility in Coventry and adds Neal Nowick, General Manager: "We've invested heavily in our products and people in recent years and we're delighted to see this pay off with another record-breaking order."

"We'll be working closely with the team at Sleator Plant to ensure that the agreement is delivered on time and to specification. We look forward to seeing further Terex product make its way to Northern Ireland over the coming months, as contractors are able to experience equipment benefits first-hand."



The Sleator Plant team



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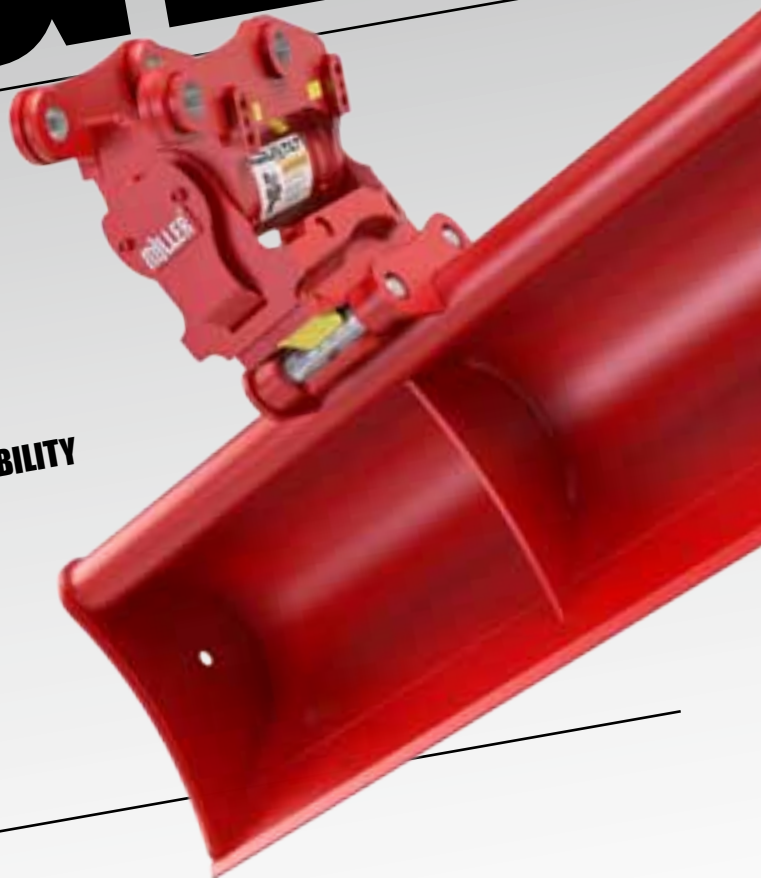


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NC Engineering Open New Production Facilities

NC Engineering, who will be exhibiting at Bauma on the UKTI stand, have marked their 40th anniversary with the opening of a new factory extension at Hamiltonsbawn in Co Armagh.

With a dedicated line for telehandlers and site dumpers, the new facility will enable the company to significantly increase its annual output as demand continues to grow for its product range.

Since the launch of its first dumper some nine years ago, the range has grown steadily from a one tonne model right up to a 10 tonne version, and everything in between.

The company's impressive

portfolio now includes 19 model options, from straight and swivel skip to a tracked carrier.

Over the years, NC Engineering have been particularly successful in the export market, selling dumpers into countries such as New Zealand, Australia, Switzerland and Germany, with the company's export team recently being strengthened to focus on further growth.

The new factory extension will clearly contribute to increased sales of dumpers and telehandlers, not only abroad, but more specifically, into the home market where construction contractors and hire outlets will be increasingly targeted over the coming months.

It will, of course, also enable the company to build up its stocks levels, thereby reducing delivery times to customers.

There's no doubt, the future looks bright for this diversified manufacturing firm which has been producing a wide range of machinery for the agricultural and construction industries since 1975.



Busy Start to Year for NI Hoses

NI Hoses, a hose replacement company, established just a few months ago in County Down to service customers across Northern Ireland, has enjoyed a busy start to 2016.

The company, headed up by Darryl Rogan of DS Hammers and Dean Jackson of Dean Jackson Plant, acts as a service agent as part of the growing HydraTEC hydraulic hose distribution network.

It offers 'while-you-wait' and 'onsite' emergency hose replacement services, with quality and reliable products from the renowned world class Italian manufacturing company Alfagomma.

NI Hoses have two onsite service vans on the road, so customers can be confident that a prompt response will only be a telephone call away.



Weidemann Ireland in tune with customer needs

The compact Weidemann T4512 telehandler is unique in the combination of lift height, width and machine capacity. With a 1.2T payload and a lifting height of 4.5m, you are absolutely stable and well-equipped for many different tasks.

If necessary, the bestselling Weidemann telehandler T4512 can travel even more quickly: to date, the 40HP engine reaches a travel speed of up to 20km/h. An optional travel speed of 28 km/h is being introduced together with general improvements to the machine's drive system. This makes the machine

more efficient, allowing it, for example, to be put into action more quickly.

Weidemann brought the somewhat larger telehandler T5522 onto the market at the end of 2013. With a 2.2T payload and a lifting height of 5.50m, the T5522 is ideally suited for numerous applications. The compact dimensions of the machine permit clearance heights of less than 2m. Weidemann has discovered that such dimensions are necessary for many farms and their modern buildings. This resulted in an option for a structurally raised cabin.

The benefits are obvious: An operator seating position raised by approximately 200 mm improves the view over the machine's dimensions and respective attachment. Comfort is raised when operating the T5522 for operations where it is entirely possible clearance heights may be more than 2m.

A New Chapter Begins at Northern Excavators

A new chapter has begun at Northern Excavators, the Hillsborough based dealership founded by Clifford Lilburn half a century ago.

His 22 year old grandson Ben Lilburn was recently appointed a director at the family run company which holds franchises for Doosan, Bobcat and Atlas Copco.

He joins his father Andrew and

brother Matthew in the company and is currently working alongside cousin David in sales, handling the Bobcat and Doosan product portfolios.

Returning recently from Canada where he worked as a fitter for a year and a half, Ben is no stranger to the Northern Excavators operation, having served his time for five years as a mechanic in the family firm on leaving school.

He says he's enjoying the challenges of now working on the sales front and is excited about the forthcoming Balmoral Show which will be his first big exhibition in his new role.

"I'm looking forward to Balmoral; we will have a good stand there," says Ben. "Working in sales is a lot different than being in the workshop, but already knowing a lot of our customers has made the transition a little less challenging and I'm already generating new business. Having been a mechanic, I know the product very well and that helps a lot when speaking to customers."

Sandvik Mobiles' conference celebrates Distributor performance

Sandvik Construction Mobile Crushers and Screens held its annual Global Distributor Conference recently attracting over 120 people, representing 60 Sandvik Mobiles' distributors from around 40 different countries.

The conference began with an official welcome and introduction by Sandvik Construction's President, Dinggui Gao.

"I am delighted to attend and have the opportunity to meet our Mobiles' partners. It has been a challenging year, but fantastic to see the drive, enthusiasm and commitment within the Mobiles' sales network."

Following this address, President for Product Area Equipment, Joanne Cooke, presented an overview on Sandvik Construction as a business.

Attendees were then updated on the Mobiles' business by members of the Mobiles' management team. Terry Allison, Managing Director, provided an update on the business and the production facilities in Ballygawley. This included a presentation on the new £1.6 million powder coating facility investment, which the distributors were delighted to hear is now fully operational.

Eugene Lyons, Global Sales and Marketing Director, presented a Sales update and John Nethery, Vice President Product Management and R&D, outlined recent product launches and the developments to come in 2016.

The distributors were also taken to a local quarry in order to view some of the newest developments to the Mobiles' range demonstrated. This included the latest addition to the scalper range, the compact and extremely versatile QE241. This was set up in two different applications in



order to demonstrate its ability to operate as both a scalping and sizing screen.

A QH331 Hydrocone crusher, one of the most advanced cone crushers on the market, was displayed with the optional hanging screen system. This set-up recirculates the oversize material, or alternatively, through rotating the conveyor hydraulically through 90°, facilitates stockpiling of a readily screened product. The screening range was also displayed in order to highlight the performance and efficiency of our screening technology, in particular our latest compact addition to the Doublescreen range, the QA335 Doublescreen.

At the distributors' hotel was an impressive product display of six key models from the Premium range of mobile jaw, cone and impact crushers, screens and scalping equipment. This represented only a fraction of the product range available, but showcased the models that have all been developed to meet the needs of Sandvik's global customer base. The distributors were taken on a product walk around session on the last day of the conference. This served as a visual reminder and hands-on demonstration of

some of the key features by some of the company's global sales representatives.

Eugene Lyons was especially pleased to see the full range along with the hanging screen options now available being displayed. The pride of place given to the QH331 highlighted that one of the key messages of the conference was how advanced and versatile Sandvik's range of cone crushers really is.

"Our Hydrocone crusher is one of the most technologically advanced in the market, and is a tried and tested design, which is something we are extremely proud of. In order to drive sales and increase our market share, we decided to run some cone focused seminars during the conference. These were welcomed by our distributors and we have received some great feedback. As a result, we look forward to seeing an increase in our cone sales over the coming year," said Eugene.

The Conference finished with a gala dinner being held on the Thursday evening. This featured an awards ceremony which celebrated outstanding distributor performance in 2015.



New Categories Added to Annual Plant & Civil Engineer Awards



Justin Carrigan, Plant & Civil Engineer

The return of our Plant, Construction and Quarry Awards in 2015 was a resounding success, with a night to remember when everyone was a winner – and here at Plant & Civil Engineer plans are already well underway to make the 2016 event an even bigger showcase. And we have TWO exciting new categories - Specialist Contractor of the Year and Student of the Year.

Sponsored by Kubota, the Specialist Contractor of the Year award 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 demonstrated or employed specialist, unique, and/or innovative skills on any project or scheme within the last 12 months.

The Student of the Year award, sponsored by TopCon, 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.

These are two of 15 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.

So, if you want to be named among the best the industry has to offer, the awards present you with the perfect opportunity. It will be one of the biggest events in the industry's calendar, and not to be missed!

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.

Could you be the Plant Hire Company of the Year? Or the Civil Engineering Company of the Year? Could you be voted Tipper Driver of the Year? Or maybe Sand & Gravel Quarry Manager of the Year?

Entering any category or categories 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. Of course, if you also want to separately nominate any companies 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!

We want YOU to be a part of that. As we mentioned, you'll 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.

'4 Site' – TWS With You Every Step Of The Way

'4 Site' is a new project management service introduced by Terex Washing Systems (TWS) to specifically aid customers and distributors with the installation of TWS equipment, providing three tailored packages to choose from, Silver, Gold or Platinum.

'4Site' comprehensive management service provides enhanced reliable and efficient levels of support every step of the TWS installation. Each of the project management packages include 4 key steps and are supported by TWS at an international level through regional partners from its headquarters in Northern Ireland.

The announcement of '4Site' was made during a TWS global distributor forum event which was extremely well received by the network who regard it as an essential additional service to further complement TWS's product range.

Austin Carey, Managing Director, Blue Machinery (Scotland) Ltd commented: "The introduction of this new project management service is a very positive approach by TWS which can only help strengthen the brand's position in the global marketplace, furthermore we are delighted as a distributor to be able to offer such a comprehensive management service providing a turnkey solution to our customers."

Sean Loughran, Director TWS commented: "The response to the introduction of '4Site' from our global distributor network has been incredible and distributors are excited about offering the service to their customers. TWS is the premier provider of advanced plant solutions and the introduction of '4Site' project management service greatly enhances our position in the marketplace to better serve our customers. Furthermore our new multi-million pound

facilities at our dedicated TWS headquarters site puts us in a very strong position moving forward into 2016 and beyond."

'4Site' is led by Garry Stewart, Project Manager TWS, who has 20 years' experience in the industry. The new project management service '4Site' is responding to business growth and increased customer demand and will aim to serve key markets globally. The project will be led by the Project Manager who will work closely with TWS distributors, service providers and internal teams to fulfill TWS commitment to provide expertise, project management and technical and service support globally.

Commented Garry Stewart: "We believe that rapid response, qualified and effective support is crucial in meeting end-users needs, letting distributors deliver on their promises as well as developing long term customer relationships, which is exactly what '4Site' will offer."

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Big Milestone Celebrated As 100,000th JCB Mini Digger Produced

JCB has celebrated the production of its 100,000th mini excavator – with the promise of more innovative machines to come as the company builds on its position as an industry leader.

JCB's first mini excavator – an 801 model weighing in at 1.4 tonnes – rolled off the production line in 1989 when just over 450 machines were made. By 1992 there were four models in the range and annual production rates had risen to 1,000 units.

The 100,000th compact excavator – a 10-tonne 100C-1 – is one of 22 models in today's range which spans one to 10 tonnes. All are manufactured at the JCB Compact Products factory in Cheadle, Staffordshire.

The global mini excavator sector is one of the most competitive areas of the global construction equipment market and is worth an estimated £4 billion annually. More than 20 major manufacturers challenge for a slice of this valuable business and with almost 200,000 mini



excavators sold around the world every year, it is the biggest single part of the annual 700,000-unit construction equipment market.

JCB CEO Graeme Macdonald said: "JCB has an innovative, powerful and robust range of mini excavators which keep growing in popularity. From being a challenger in the market 25 years ago, JCB is now firmly established as an industry leader, setting trends for design innovation and manufacturing excellence.

"To have produced 100,000 compact excavators really is

something for the whole JCB team to celebrate and with more additions to the range due this year we can look forward to more growth in this important sector of the market." JCB has been rising to the growing opportunity presented by the mini excavator sector in recent years with a £15 million investment in manufacturing technology and new product development. This has seen the launch in the last two years of brand new models including the 65R-1, 67C-1,

85Z-1, 86C-1, 90Z-1 and 100C-1 models which compete in the six, eight, nine and 10 tonne weight categories respectively. JCB's mini excavators were first manufactured at the company's plant Rugeley, Staffordshire, before production switched to JCB Compact Products in 1999 to cater for rapid expansion of the range. The company has won two Queen's Awards for International Trade for huge increases in exports in 1994 and 2007. JCB Compact Products employs more than 350 at its site in Leek Road.

£500,000 Pumped into Clabby Road, Fivemiletown

NI Water, together with its project team including GRAHAM Construction and AECOM, has commenced work on a new wastewater Pumping Station at Clabby Road, Fivemiletown.

The project will involve replacing the existing Pumping Station to increase capacity and allow for future development in the area. It is anticipated that work will be completed by Summer 2016. The work will involve the con-

struction of a new underground Wastewater Pumping Station on the same site as the existing station, along with the replacement of a small section of sewage pumping main and associated improvements.

Peter Ferguson, NI Water Project Manager said: "The new Pumping Station will reduce the likelihood of out of sewer flooding and bring about environmental benefits in the area, improving water quality in the local watercourse."



The NI Water Project team including representatives from GRAHAM Construction and AECOM pictured with local elected representatives (L-R) Front row: Cllr Wills Robinson, Lord Maurice Morrow MLA, Cllr Sean McGuigan, Cllr Robert Mulligan and Alistair Patterson MLA.

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The Merlo P40.17 telehandler prior to delivery by McHale Plant Sales to L & M Keating engineering contractor.

L&M Keating Engineering Increases Merlo Fleet

Clare-based civil engineering contractor, L & M Keating Limited of Kilmihil, has expanded its telehandler fleet with the addition of two new Panoramic units – a P40.17 Plus and a P38.13 - bringing to 14 the number of Merlo units in operation at the company.

Supplied by Merlo distributor McHale Plant Sales of Birdhill and Rathcoole, the P40.17 Plus has a 4-tonnes lift capacity and a 17-metres reach. The P38.13 has a 3.8-tonnes lift and a 13-metres reach. Both units enter service on building construction works being carried out by the company in Carrigtwohill and Dublin respectively.

Reflecting on their long history with Merlo, Noel Crowley, plant manager at L & M Keating, points to what he terms 'the quality and durability' of the products. 'From our experience of using Merlo, they make a decent machine that gives value for money,' he says.

Founded in 1987, L & M Keating has grown from humble beginnings to a point where it now has over 100 full-time employees. Regarded as one of the country's leading engineering firms with a reputation for delivering technically challenging projects, the company specialises in marine, building, civil, dredging, conservation & restoration works throughout Ireland and the UK.

Major Wastewater Project in Bangor Scoops Engineering Excellence Award

The NI Water team working on the Bangor Sewerage Improvement Programme has scooped a prestigious CEEQUAL award (Civil Engineering Environmental Quality Assessment) in recognition of their work to upgrade a Pumping Station at Luke's Point, Ballyholme in Bangor, as part of the overall programme of improvements.

The scheme will improve the sewerage infrastructure in the Bangor area, improving the water quality in Ballyholme strand and will help to meet Northern Ireland Environment Agency Standards (NIEA).

This CEEQUAL award aims to assist clients, designers and contractors to deliver improved project specification, design and construction of civil engineering projects. It celebrates the commitment of the civil engineering industry to achieve high environmental, economic and social performance. It rewards project and contract teams that go the extra



Pictured are: (L-R) Joseph Martin AECOM, Paul McErlean BSG, David McCune AECOM, David McGrath NI Water, Sir John Armitt President- Institution of Civil Engineers, Sam McManus AECOM, Bill Gowdy NI Water, Paul McSparran BSG Civil Engineering, and Samuel Donaldson AECOM.

mile to achieve distinctive environmental and social performance in their work.

Bill Gowdy Director of Engineering Procurement at NI Water said: "This award is a great achievement for the Luke's Point team who received an "excellent" whole team award. The team successfully overcame many

engineering and environmental challenges to complete a successful sustainable sewerage improvement project.

"The work at Luke's Point is part of the overall Bangor Sewerage Improvement Project, which represents an investment of approximately £8 million to upgrade and increase the

capacity of the sewerage infrastructure in the area, achieving compliance with NIEA standards and EU directives for bathing water quality.

"We worked closely with our entire project team to achieve this award, including contractor BSG Civil Engineering and AECOM."

Rockbreaker Steel Tools: When Only the Best Will Do

As Scotland's only dedicated manufacturer of hydraulic hammer breaker tools, Rockbreaker Steel Tools offers one of the most comprehensive ranges of rock breaker tools in Europe.

All rock breaker tools are manufactured from top quality UK sourced steels, machined and heat treated in the company's own production facilities in Caldervale, in Airdrie, Scotland. They are rigorously tried and tested to ensure that each breaker tool has the consistent

impact, strength, hardness and ductility needed in the rugged conditions experienced in the construction, mining, quarrying and demolition industries.

Totally manufactured under a strict quality control management system certified to British Standard BS EN ISO 9001, 2008, you can be confident of a superior product – guaranteed against defects in raw material and workmanship.

"We are committed to research and development as an integral part of our existence to produce

the world's finest most versatile hydraulic breaker steels deserving the world-wide earned reputation, continual improvement in process' and procedures," says the manufacturer.

They have the capability to manufacture a complete range of tools, from 50mm diameter to 230 diameter, and from 300mm long to 1800mm.

And, even if they don't stock your part requirement, they have the facilities to design and manufacture just for you.



Furnace & Induction Heat Treatment LTD

The company supply tools for all hammer types – including Atlas, Furukawa, Montabert, Soosan, Toki, Indeco, Rammer, JCB Hammer Master, Krupp and Socomec – and are renowned for their durability, reliability, high performance and, of course, always value for money!

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Pearse McGunniess, Branch Manager
– New Belfast Connswater Branch



New HSS Reintec Division



Keith O'Rourke, Regional Manager
for HSS Powered Access Division



Greenogue Team

Full Steam Ahead for Award Winning HSS Hire / Laois Hire Group

An award-winning tool and equipment hire company, the HSS Hire and Laois Hire Group 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.

Adding to the HSS Hire and Laois Hire Group's established network of 25 hire branches and super centres across Ireland and Northern Ireland, the increased footprint will result in a number of new jobs. The group currently has twelve HSS branches in Northern Ireland and seven in the south as well as six Laois Hire branches there.

The new branches offer local customers easy access to a wide range of tools and equipment as well as offering hire-related services.

They are part of a blueprint of "selling" branches being implemented by HSS, designed to provide an ever more customer-centric hire experience and supporting their revolutionary operating network which is driving best in class service and availability in the market.

Michael Killeen, Managing Director of HSS Hire Ireland, Scotland and Isle of Man and the Laois Hire Group, says: "We're

committed to offering our customers more safety, more availability, more value and more support in order to ensure an unrivalled hire experience. The new branches will help us deliver the highest quality service to our customers."

The new Portadown branch in County Armagh is easily accessible to customers, being situated on a spacious site at the busy Castle Street junction and since opening a couple of months ago it has already built up a solid customer base.

Branch Manager Stephen Martin, who is well experienced in the industry, especially in territory development, is delighted with the progress made. "We have already won some good local contracts and there is great potential to grow and firmly establish the business in this part of the country," says Stephen. "We are looking forward to a long and successful future here."

The branch carries a wide range of machinery and equipment, including dumpers, rollers, powered access products, tools and accessories, with a high level of availability.

It's a similar story at the new Belfast branch which opened just a few weeks ago at the Connswater Retail Park off the Newtownards Road; it's the third HSS Hire branch in the city, the others being at Kennedy Way and on the Shore Road.

Comments Branch Manager Pearse McGunniess: "HSS Hire operated a depot in this area some years ago; it was their first in Northern Ireland, and customers say they are delighted that we are back in this particular locality."

Pearse has been with HSS Hire for around 20 years, having been employed in a number of other Northern Ireland depots, so he has built up a wealth of experience, not just with the product portfolio, but with established customers. "Having a good working relationship with customers is just as important as product knowledge. Ours



Stephen Martin, Branch Manager of new Portadown Branch with Sean Kelly, Area Branch Sales Manager



From left to right - Andrew Somerville, Declan Dennehy, Michael Killeen, Adrian McBride, Nicky Hearne, and Daniel Doyle



Laois Hire Finnings – New CAT Fleet for Laois Hire

is a people business and we pride ourselves in providing a professional, efficient and friendly service that is second to none."

Meanwhile, a new HSS Hire branch is to be opened on a centrally located 1.5 acre site at Fortwilliam, Tivoli, in Cork – 1.5 acre site. It will offer ease of access, more choice and larger equipment. It will also incorporate training rooms offering a range of industry recognised technical and safety courses.

For the moment, HSS Hire will also retain its already well established branch at Kinsale Road in Cork as the company's market share in the region continues to grow. At least three new positions will be created at the Tivoli branch, with the prospect of more staff being added as the business there builds its customer base.

As with all HSS Hire branches, the new facilities in the north and south are supported by an extensive fleet of liveried vehicles and underpinned by an industry-leading operating and distribution system.

The company continually invests in its distribution network which is organised into Distribution Centres and local format branches. Through the network, branches are restocked daily with equipment for customer pick-up. Customers also benefit from the expert workshop and refurbishment capabilities which are a feature of the HSS Hire network operations.

Together, the HSS / Laois Hire Group serve a large and diverse customer base from large blue-chips to small local trades and individual customers; more than 90% of its business activity is 'business-to-business.'

"We have a customer-centric approach and focus on delivering the very best service based around the things they tell us matter most – safety, value, availability and support. Whatever they're doing, we help all of our customers get the job done safely, efficiently and cost-effectively," says Michael. "We recognise that customers' needs and the challenges they face are continuously evolving, so we work hard to remain at the forefront of industry thinking – and we are active members of industry organisations which stand for, and promote, best practice."

SPECIALIST SERVICES

Although, tool and equipment hire is still at the heart of what HSS Hire do - and plant hire is central to what Laois Hire offers – the Group also now has a range of specialist service divisions and equipment solutions that add real value for customers.

With a large fleet of the largest diesel generators from 20kVA to 2000kVA all supported by the latest telemetry, HSS Power, for example, can supply, fit, service and manage all of a customer's power requirements - and it also offers a 24-hour, 365 day specialist back-up and repair service.

The Group's newest specialist division is Reintec, a fully outsourced cleaning equipment solution for contract cleaners which offers an innovative way to maintain and manage their fleets, supported by an exclusive range of high performance cleaning equipment.

Its Powered Access division offers specialist support for a wide range of the latest powered access equipment from scissor lifts and telehandlers to propelled booms, suitable for all working at height applications.

The Group also has a specialist training division – HSS Training - offering a range of industry recognised technical and safety courses at centres throughout Ireland, and for customers who decide to buy rather than hire, all of its equipment is also available to purchase through HSS Sales, as is a comprehensive range of product accessories and consumables from all branches.



McSharry Bros

Successfully building the Kobelco brand across all of Ireland

When Kobelco appointed McSharry Bros as their exclusive dealer for both the north and south of Ireland some 15 months ago, they knew it would be a prosperous partnership, and so it is proving to be.

Since then, the Roscommon headquartered family business has been building towards making the Kobelco range one of the main excavator brands in all of Ireland. It's a journey that began well,

has gained momentum throughout 2015 and is accelerating forward in 2016.

"We already knew what a great brand Kobelco is. Our undercarriage division has been selling to Kobelco owners for a long time; owners with Generation 6 models, running over 15,000 hours who continue to spend on undercarriage because they are so happy with their excavator. That is testament to the quality and reliability of Kobelco," comments Niall McSharry.

McSharry Bros have a very central location to serve all of the country. Situated just 30 mins from Athlone, they have 80% coverage under a two hour drive. So far, they have coped comfortably servicing their new sales. When the numbers dictate, they have additional service partners in place to cover all of the north and south of the country.

OPERATING DIVISIONS

The family concern is divided into two business divisions: machine sales, trading as McSharry Bros, and undercarriage sales, operating as McSharry TRACK.

Michael McSharry is the Managing Director and has over 45 years experience in the plant and machinery business. He formed his first company in the early 1970s. Today the company is managed by Michael and his sons Fintan and Niall McSharry.

In terms of business divisions, Michael and Fintan look after machine sales, while Niall and Damien McSharry (a nephew of Michael's) manage the undercarriage division.

McSharry TRACK is a specialist undercarriage division, supplying undercarriage parts to the aftermarket in Ireland for over 35 years. This side of the business has had a dealership for a long time.

They have been the exclusive dealer for Berco undercarriage throughout the Republic of Ireland and Northern Ireland since 1980. Berco S.p.A (Italy) is widely recognised as the leading manufacturer of undercarriage parts in the world, supplying direct to Original Equipment Manufacturers



Kobelco machines are renowned not only for their fuel saving technologies, but also for their high quality and robust reliability



Exclusive Kobelco and Berco Dealer for all of Ireland



Fitting 1600mm Pads with Bent Ends to Track Chains

(OEMs) including Kobelco and to the aftermarket through their dealer network.

The warehouse at McSharry TRACK is very impressive with the largest stock of undercarriage parts in Ireland. This ensures they can offer parts for all tracked machines ex-stock.

Up until 2014, McSharry Bros concentrated on the sale of quality used machines. During the down turn this was mainly an export business. When Kobelco and New Holland decided to end their partnership in 2012, Kobelco invited applications to become their direct dealer in each territory across Europe.

Given it is one of the most respected excavator brands there was huge interest including from those with and without dealerships. Kobelco managed this process, visiting a short list in Ireland.

McSharry Bros put their best foot forward and they were appointed the exclusive dealer for service and supply of the Kobelco brand of excavators



Part of the huge stock of undercarriage at McSharry TRACK

throughout the Republic of Ireland and Northern Ireland in December 2014.

The first Kobelco excavators arrived in their yard - direct from the Hiroshima factory in Japan - at the end of February 2015 and, as the saying goes, they haven't looked back since.

All sales are being managed from Roscommon by Michael and Fintan McSharry. They also have support from Conor McSharry (another son of Michael), who is their Sales Agent for the Eastern Region.

MOVING FORWARD

Kobelco machines are renowned not only for their fuel saving technologies, but also for their high quality and robust reliability - and the short radius machines come with Kobelco's innovative iNDr (integrated Noise and Dust reduction system) as standard.

The range is constantly being refined, upgraded and expanded to meet customers' ever changing needs and expectations. Enhancements in durability and efficiency, for example, means reduced ownership costs and improved longevity.

Kobelco is not a manufacturer that rests of its laurels, and neither do McSharry Bros. Already this year, the dealership has seen the arrival of a new range of mini excavators, including the SK30SR-6 and SK35SR-6, as well as

the heavy line SK210LC-10 excavator (the first of Kobelco's Generation 10 Series), with plans to introduce other new models, such as the SK180LC-10 and the SK300LC-10 later this year.

So there is certainly plenty to look forward to - and some of these new machines will be on display at the forthcoming Blamoral Show in May. (You can read more on this in our special Blamoral Preview elsewhere in this issue.)

"We had certain expectations when we were first appointed by Kobelco, but over the past year those expectations have been exceeded; there is great respect for the brand and feedback from customers has been very positive and encouraging," says Fintan McSharry. "Availability is excellent; we carry good machine stocks and have everything from three tonners upwards."

And added Niall McSharry: "We are enjoying a good share of business in both the north and south of the country. With the economy picking up, this year has got off to a solid start and we aim to build on that throughout the rest of 2016 and beyond, with the continuing excellent support from Kobelco Europe."

McSharry Bros

Tel: + 353 90 6629500

Web: www.mcsharrybros.com



AJ Power, Generating Export Success

Bank of Ireland UK business customer AJ Power was established in 2003 by a team of five highly experienced and successful operators in diesel generating sets, who had an ambition to manufacture and distribute them globally.

With generating sets used across the world as a fast and reliable source of power, including in developing nations where demand for power often outstrips the available infrastructure, the company was certain of the market and its potential for growth.

Fast forward twelve years and the company's products are in use in more than 80 countries and across five continents around the world. Their generating sets are operating in a wide variety of applications – villages in the Andes, airports in Scandinavia, construction sites in the Middle East, mines in Myanmar and a hospital in New Zealand. The business achieved growth of circa. 35% in the first quarter of the current financial year and aim to double in turnover in the next five years.

James McIlveen, Financial Director, AJ Power is happy to concede: "We would not be where we are today without Bank of Ireland UK. Right from the start we worked with a very supportive business banking team who introduced us to the various areas of expertise within the bank we have since called upon as required.

"Within a year of establishing the business we had Commercial Finance to help our cash flow and to support our growth – that was a huge benefit, a game changer.

"With funding from the bank we have been able to invest in our production facilities to increase our capacity and product range, modernise production tracks and build a new 'high bay' factory for larger units.

"As we moved into international trade, dealing across several continents, the Global Markets team were instrumental in helping us establish secure payments for the generator sets we'd sold abroad, through Trade Finance. We used Letters of Credit which helped us manage the trading risk, ensuring buyers were making payments on more secure terms.

"We've also called upon the Global Markets team to manage the risks associated with currency fluctuations. We deal across a huge number of currencies so we're conservative in our approach but with the dedicated support of Neil Irwin in the dealing service we've put in place Forward Contracts and that's been a sound facility to manage currency fluctuations that gives us real peace of mind."

Where low roof height once restricted the size of generators the company could manufacture, the larger production facility is now enabling the business to aggressively target more sales in the 1 megawatt range of generators.

The business has also recently invested in establishing a branch in Dubai to help them develop close relationships with customers in the area and to secure an increasing number of sales in the Middle East.

Henry Cleary, Bank of Ireland Global Markets says: "Before ambitious businesses are ready to break new markets they need a supportive banking partner working with them to prepare for the risks and rewards associated with international trade."

For more information and to speak directly to a member of the Global Markets team please call Henry Cleary on 02890 322 778 or email: Henry.Cleary@boi.com





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New CPLT V15 light towers

Chicago Pneumatic is to launch two new light towers. The new V15s are the first models in the Chicago Pneumatic range to use a heavy-duty polyethylene canopy.

This new canopy coupled with the light tower's small size, ease of transportation and fuel-efficient performance ensure that the new models meet the demands of a variety of applications.

The CPLT V15 comes with metal halide technology, while the CPLT V15 LED features LED lighting technology and can light an area approximately 25 per cent larger, while proving additional fuel efficiency benefits.

A Kubota EPA Tier 4 engine powers both options, and to ensure operational efficiency as well as fuel efficiency the units are equipped with a 28-gallon fuel tank.



L-R: Andy Blandford, Head of the CNH Industrial Construction Equipment business in Europe Middle East and Africa, David Cowan and Alwyn Cowan from Cowan Brothers and Leigh Harris, Director of Network Development CNH Industrial Construction Equipment business in Europe Middle East and Africa.



Andy Blandford, Head of the CNH Industrial Construction Equipment business in Europe Middle East and Africa, (left) with Darren Macadam from Jim Macadam Equipment, and Leigh Harris, Director of Network Development CNH Industrial Construction Equipment business in Europe Middle East and Africa.

Top Awards for Cowan Bros and Macadam Equipment

At the recent CASE 2016 European Dealer Convention held in Italy, both of Case's Irish dealers were officially recognised for their success with the brand.

Jim Macadam Equipment was presented with 'The Spirit of CASE' award 2015, and Cowan Brothers received the 'Dealer of the Year 2015' award.

'Dealer of the Year' was awarded to Cowan Brothers, in recognition of the investment and commitment of the brand representation

in the market with the opening of their new premises in Mallusk.

Managing director David Cowan said: "We have been with CASE from October 2014, and during this time we have had great success with the product and working with their team. The experience with CASE has exceeded all our expectations and it's great to be involved with a company that has such a focused vision of the future. We are confident that CASE will grow in strength even further and we are happy to be part of that."

The Spirit of CASE award was presented to Jim

Macadam Equipment in recognition of heritage and loyalty to the brand, long standing high levels of service and backup, plus brand representation in the market.

Director, Darren Macadam said: "CASE has been a great success in Ireland for Macadam's, built on high quality backup and service. With the launch of further new models in the new D Series excavator range, and judging from the sales achieved in late December and early January in Ireland for Macadam's, the D series is set to continue the trend of higher market share in Ireland for CASE."

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Yale celebrates production of 400,000th truck at Craigavon plant

To celebrate production of the 400,000th truck at its plant in Northern Ireland, Yale Europe Materials Handling recently celebrated the production of its 400,000th forklift truck at its manufacturing plant in Craigavon.

To mark the occasion, the company has made what it called 'the largest single charitable donation in its history.'

As the specially manufactured truck rolled off the production line, employees at the Craigavon factory handed it over to international charity Oxfam, for use at its distribution centre in Bicester.

The ceremonial presentation of the Yale Veracitor VX, which has been signed by all of the staff at the Craigavon factory, was made to Oxfam Finance Director Alison Hopkinson by Craigavon Plant Manager Jim Downey before a specially invited audience of employees, suppliers, and dignitaries, including the Minister of the Department of Enterprise, Trade and Investment, Jonathan Bell and the Lord Mayor of Armagh City, Banbridge, and Craigavon, Darryn Causby.

Earlier in the day, guests enjoyed factory tours of the plant, a series of presentations from senior members of the Yale team and a video showcasing the journey of the charity truck as it progressed along the production line.

Iain Friar, Yale brand manager, said: "We are all incredibly proud that the 400,000th truck has been produced here in Craigavon, and we wanted to celebrate the contribution made by so many people in achieving that milestone.

"Yale is committed to 'people, products and productivity' and we firmly believe that it is our people who have put us where we are today. The 400,000th truck is the embodiment of the innovative approach and loyalty we receive from our Yale people.

"We wanted to choose a charity with the same ethos as Yale, an organisation like ourselves that has people at its core. Not only is Oxfam internationally



At the hand over were (l-r) Rod Hogg, logistics manager, Oxfam; Neil Turkington, trainer, Yale; Jonathan Bell MLA and Yale production operator Eddie Smart.

recognised for helping people in need, we felt that one of our forklift trucks would actually be of real benefit to its operation."

Alison Hopkinson of Oxfam said: "This forklift truck will be used in our Bicester warehouse where we hold equipment to deploy at speed wherever in the world there is an emergency.

"The new truck will replace the 20-year-old model our logistics team currently use. So not only does this truck represent a real cost saving to Oxfam, it will help us come to the aid of people in desperate need more efficiently."

"Oxfam has been fortunate to receive great support in Northern Ireland over the years relying on the generosity of its supporters and we are so grateful and touched by the Yale team's kind and thoughtful gift."

As Oxfam's truck needs to be always ready to respond to emergencies Yale's UK dealer, Briggs Equipment has offered to maintain and service the truck. This is another example of Yale working with its partners to tailor the solution to the client.



Pictured here (l-r) are Harry Sands, managing director EMEA Hyster-Yale Group; Rod Hogg, logistics manager, Oxfam; Jonathan Bell MLA Minister of the Department of Enterprise Trade and Investment; and Alison Hopkinson, Oxfam finance director.

"Yale is committed to 'people, products and productivity' and we firmly believe that it is our people who have put us where we are today."

All Roads Leading to Bauma 2016

Virtually every branch of the plant, construction and quarrying industries will be represented at Bauma 2016 which takes place in Munich from April 11 – April 17th.

The 31st annual show, hailed as the world's leading trade fair, is expected to break

new records following the success of the last event three years ago which attracted almost 3,500 exhibitors and more than half a million visitors from over 200 countries!

Not surprisingly, those who have been there before always come back. It's where all the major manufacturers will be, as well as many experts who deal with construction and building-material

machines, construction vehicles, construction equipment and mining machines.

This is where international key players meet. This is where significant new developments are presented. This is where suppliers and solutions come together perfectly.

Over the next pages, Plant & Civil Engineer takes a look at what visitors can expect at this year's event...

Hyundai completes new Stage IV product range

Hyundai Heavy Industries Europe (HHIE) will present an extensive range of equipment for both the construction and forklift world.

The construction equipment range comprises the construction, utility, forestry, recycling & waste handling and mining & quarrying industries at Bauma 2016.

Many of the machines will be making their world premiere at the show. The forklift range focuses on the logistics & warehousing industry, agriculture, construction, load & carry and ports applications – including some world premieres as well.

The line-up includes the release of the newest models of the Stage IV range



compliant excavators wheel loaders and forklifts.

Hyundai is showing a grand total of 24 construction equipment machines and 9 forklift models on the company's 3,447 square

metre stand located in the open air area FM.813A.

The most significant change in this continued programme is the roll-out of Stage IV compliant diesel engines, with reduced

exhaust emissions and improved fuel economy. Besides the engine change there are numerous other updates ranging from the cabin features including dashboard and instrument cluster to the hydraulic control and the exterior design.

Commenting on the importance of Bauma, J.C. Jung, CEO of HHIE said, "Market conditions continue to be harsh in our industry. Our business slogan for this year is 'Change Together', which means we implement changes and innovations. That is why we are proud to present our latest new generation machines at Bauma to our customers and to our dealers."

Chicago Pneumatic to launch new attachment products

Chicago Pneumatic is expanding its range of construction equipment with the launch of several new tough, reliable and highly efficient portable energy, light compaction and rig-mounted attachment products.



The adoption of a new polyethylene Red Rock canopy is one of Chicago Pneumatic's highlights of the show, with a new range of portable air compressors and LED light tower's

adopting this design change and toughness upgrade. It is also adding a host of additional options to its range of CPDG mobile diesel-powered generators, including higher capacity fuel tanks, road trailer options and a galvanised skid.

Visitors will have an opportunity to see the latest additions to Chicago Pneumatic's range of RC rig-mounted hydraulic compactors. Suitable for use on carriers with an operating weight of 1-40 tonnes, the five new attachments offer robust performance, high efficiency and easy maintenance for demanding applications including slope, trench and waste compaction, side development and piling.

Chicago Pneumatic is also expanding its range of light compaction equipment with the introduction of the MR7005 walk-behind double drum roller and MV58 forward asphalt plate compactor.

At the show, Chicago Pneumatic is also inviting construction equipment distributors to become part of its rapidly growing worldwide professional network. Werner Nuemm, Business Development Manager for Chicago Pneumatic commented: "We are now encouraging more distributors join our team, where they will be backed up with comprehensive product training, expert technical and service support, as well as access to spare parts."

B60E - the Bell all-weather alternative to rigid trucks

Bauma 2016 marks the first time that Bell Equipment will showcase its 60-ton truck outside of Africa.

The prototype B60E, capable of moving large volumes of material in all weather conditions, places the South African manufacturer at the cutting edge of off-road trucking by providing a unique solution to a market segment that was previously only contested by rigid trucks.

The first generation of the Bell 60-tonner, the B60D, was introduced as a concept at the inaugural Bauma Africa in 2013 and has taken Articulated Dump Truck (ADT) design and innovation into a new league. Since then it has been running successfully on various sites in Africa where it has gained popularity for its all-weather suitability.

According to Bell Equipment's Product Marketing Manager, Tristan du Pisanie, the B60D was developed after the company identified a growing need among contractors making use of rigid trucks in the 60-ton range. In response the company adopted the two-axle concept of a rigid truck but with a driven front axle and independent front and rear chassis.

Meanwhile, Bell will also present another model in the company's E-series Large Truck range at Bauma 2016, the B45E.

With the global market creating increased demand for 45-ton trucks, the B45E with its rated payload of 41 000kg, a bin volume of 25m³ and a powerful new engine, has the potential to become the most popular model in the range due to its overall value proposition to customers.

The E-series Large Truck programme has been in development for three and a half years and is planned for worldwide release in late 2016. The range is powered by the new Mercedes Benz HDEP engine platform and optimised for off-highway use by MTU. Like their smaller truck counterparts they are also all fitted with Allison transmissions.

Caterpillar Will Display Advanced Technologies



Caterpillar and its German dealer, Zeppelin Baumaschinen GmbH, will exhibit a suite of technologies, services and equipment at bauma 2016 under the theme "Built for It."

In display space totalling more than 8200 square metres, the company will showcase safety, productivity and equipment management solutions, as well as more than 60 Cat products, a large selection of work tools and a full complement of dealer-delivered support services—all designed to make customers more successful.

Dozens of machines for construction, mining, industrial, waste and forestry applications will be on display, all equipped

with Cat technologies that improve safety, efficiency and customer success.

Three new pavers will also be part of the exhibition. The AP300F, AP355F and AP555F are built with intuitive, accessible technology and a quick-heating screed system that increases productivity and reduces crew idle time. All are powered by engines that meet EU Stage IV / US EPA Tier 4 Final emission standards. Also featured: a new CD54B drum vibratory compactor with technology enhancements for the operator.

The mining area of the exhibit will showcase the new 6015B hydraulic mining shovel, built with class-leading speed and power and optimized

to load the Cat 773, 775 and 777 trucks in four, five and seven passes, respectively.

Industrial engines meeting EU Stage IV / US EPA Tier 4 Final emission standards will be on display in multiple areas with the C7.1 ACERT™ engine that delivers up to 225 bkW, located in Hall 6 and other Cat power systems exhibited in Hall 4.

Other highlights of the exhibit include a work tool display that demonstrates the versatility of Cat machines, flexible financing and extended protection options from Cat Financial and new information about Cat rental solutions and Cat Certified Used equipment offered through the Cat dealer network.

CDE Global confirmed as finalist for Bauma Innovation Award

Materials washing specialists, CDE Global has been confirmed as a finalist in the Bauma Innovation Award in advance of the Bauma exhibition.

This will be the third appearance for CDE at Bauma Munich and the company say it will represent their biggest ever equipment display at any exhibition and is a result of some significant new product developments.

The Bauma Innovation Award coincides with the show every three years and rewards companies and universities who have developed cutting edge technologies of high practical use to market readiness for the

construction equipment, building materials and mining industries.

CDE will be located on a 1200 square metre stand in Open Area North at the Messe Muenchen exhibition ground. "We will be displaying our latest modular wash plant set up in working position which will include a new feed arrangement, the latest incarnation of our M2500 mobile washing plant and an upgraded AggMax portable logwasher," explains Kevin Vallyelly. "Our stand will also include a number of new inclined screens from the Infinity range as well as a stand alone EvoWash sand washing plant with a number of patented elements and an exciting new screening system for fine screening applications."

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Genie To Unveil New 'Compact' Telehandler



Celebrating 50 years 'Building the Future' with the Genie brand, Terex AWP is marking its presence at bauma in Munich this April with the unveiling of four new products, including the new Genie GTH-3007 compact telehandler.

Providing fleet owners the versatile on-site productivity and cost-efficiency they need at a market-beating price, the new GTH-3007 telehandler combines efficient, full-featured capabilities with the most compact dimensions and lightest machine weight in its category.

As the heavier lifting, higher reaching brother of the Genie GTH-2506 compact telehandler,

at the low weight of 5970 kg (13,161 lbs) the new GTH-3007 telehandler shares the same rugged durability common to all other six models of the Genie GTH telehandler family.

"However, unlike other heavier units by other brands, our new GTH-3007 telehandler combines the full capacity of a 7 m (23 ft) machine with the cost-efficiencies that only a 74-hp Stage IIIB (Tier IV Final engine) can provide," says Christine Zeznick, Product Manager, Terex AWP EMEAR (Europe, Middle East, Africa and Russia).

Boasting a maximum lift capacity of 3000 kg (6,614 lbs), a vertical reach capacity of 2500 kg (5,511 lbs) at a maximum height of 7 m (23 ft), and a horizontal reach capacity of 1000 kg (2,205 lbs) at 4 m (13 ft), this new unit comes with the benefits of a low-emissions 74-hp Deutz Stage IIIB (Tier IV Final) compliant engine.

In addition to showcasing the new GTH-3007 telehandler, Terex AWP will have much to interest customers at bauma 2016. "We look forward to welcoming visitors to our stand," says Zeznick, "where we will also be displaying a line-up of our most popular and latest aerial work platform models and service offerings."

IPAF to Highlight Safe On Site Loading

IPAF's stand will highlight the safe loading and unloading of mobile elevating work platforms (MEWPs) as an essential part of site operations.

The IPAF stand in the outdoor area will demonstrate how to load and unload MEWPs safely, share good practice and findings from IPAF's accident reporting project, and provide a meeting point for members to network and discuss issues affecting the industry.

Almost a third of MEWP-related incidents reported by rental companies involve delivery drivers while loading and unloading machines. This is one of the trends identified from IPAF's accident reporting project (www.ipaf.org/incident) and the Federation is working to make MEWP loading and unloading activities safe and effective.

The campaign highlights the importance of planning and management of the delivery and collection processes. It also clarifies the responsibilities of different parties (including end-users, contractors, rental companies, haulage companies and drivers) to communicate and cooperate to ensure the work is done safely and effectively.

"MEWPs are one of the safest tools to carry out temporary work at height, and IPAF wants to keep the industry safe by minimising the potential dangers associated with loading and unloading," said IPAF CEO Tim Whiteman. "The main causes of loading and unloading incidents have been traced to insecure loads and machines falling off between ramps. These risks can be prevented through proper training and management of the work."

Latest Hiab Innovations Unveiled

Hiab, part of Cargotec, will present its latest innovations; new launches from LOGLIFT forestry cranes, MULTILIFT demountables as well as from HIAB loader cranes will be presented, and there will be a press event to discover more about the future of load handling.

Among the Hiab line-up will be its electric MOFFETT E4 truck-mounted forklift with no emissions and very low noise levels.

Its biggest ever loader crane models will also be presented;

the HIAB X-HiPro 1058 and HIAB X-HiPro 858 provide customers a highly productive and reliable solutions for heavy duty load handling.

The revolutionary crane safety and stability system VSLPLUS, which is a unique Hiab feature, is also presented. It automatically regulates crane capacity in relation to the actual stability of the vehicle whilst it is working, by sensing the position of each stabiliser leg, and whether there is a load on the truck.

There, too, will be the famous MOFFETT M4 model, as well as MULTILIFT Futura skiploader, which was launched in spring 2015 and has turned to be a success.

Wirtgen WR 250 with integrated "S-Pack" spreader module

In its recycling and soil stabilisation product division, Wirtgen provides a range of mobile machines and systems for a whole variety of applications.

The "S-Pack" (spreader pack) allows binding agent to be spread without generating clouds of dust; this addition to the construction machinery manufacturer's product range creates new opportunities for optimizing the range of applications and cost-efficiency. The spreader module will be making its bauma debut in Munich, installed in the Wirtgen WR 250.

Used on motorways, in residential areas, on industrial estates and on difficult terrain – recyclers and soil stabilisers are confronted with an extremely varied range of situations. In many cases, contractors face additional challenges due to strict emission standards, for instance in nature conservation areas.

A solution is now available for these applications too, namely the "S-Pack" for the WR 240/WR 240i/WR 250 models from Wirtgen.

Using the integrated spreader module, a WR with "S-Pack" spreads the binding agent directly in front of the milling and mixing rotor which immediately mixes it into the soil.



The closed drum housing and an additional double curtain of rubber matting prevents the formation of dust clouds and ensures that the material is exclusively spread inside the milled cut. Thanks to the integrated spreader module, binding agent can now be spread regardless of wind and weather and without drifting or displacement due to vehicles driving ahead or passing by.

Terex Compact UK To Exhibit Next Generation Equipment Portfolio

Terex Compact UK will showcase a number of new additions to its compact equipment portfolio, including a new site dumper – the TA9SP – alongside a new addition to its 2016 backhoe loader portfolio, the TLB830.

The TA9SP provides new swivel tip functionality for a 9-tonne payload class machine as well as showcasing a new Powershift Transmission, combined with innovative Auto-Shift technology. The model will also highlight a patent pending Stop-Start technology feature, providing new benefits to machine ownership. A revolutionary addition to the Terex Compact

UK backhoe loader range, the TLB830 has been specifically designed with the rental marketplace in mind. Featuring a Tier 4 Final-compliant 56kW Deutz TCD 3.6 L4 engine (EU) and Tier 3 Perkins 1104 T3 70kW variant for South America and Rest of World (RoW), each model comes with synchro transmission, air conditioning and servo excavator controls as standard.

Versatile, innovative and cost efficient, the TLB830 has been engineered to excel in digging, reaching, lifting and loading applications. Husco open loop system hydraulics, with tandem gear pumps delivering 128lpm maximum

flow rate at a maximum of 250Bar, provide reliable operating control. The additional option of bespoke accessory kits enables users to fully customise their machine – tuning spec to meet exact application requirements.

Paul Macpherson, Sales and Marketing Director at Terex Compact UK's Coventry facility, comments: "As the largest trade fair in the world, exhibiting at Bauma is a key date in our events calendar. We're looking forward to sharing our latest range of compaction rollers, site dumpers and backhoe loaders with visitors to the event, alongside showcasing a number of new technology and engine updates for 2016."

Terex Washing Systems, Terex Cranes, Terex Minerals Processing Systems, Terex Aerial Work Platforms and Terex Compact Germany will also be exhibiting at the event.

Important Product Launch Year Kicks Off For JCB

Bauma 2016 will see the international launch of a range of new products from JCB – including the innovative 3CX Compact backhoe loader and four wheeled loaders with Command Plus cabs.

The innovative 3CX Compact is designed to deliver big machine performance for confined job sites.

A pioneer of the compact backhoe loader, with the popular 2CX, JCB is taking the concept to a new level, to meet the

demands of the construction sites of tomorrow, describing the 3CX Compact as 'the perfect machine' for road resurfacing and repair contractors, utilities, groundworkers and municipalities working in the confines of congested urban construction projects.

In addition JCB's range of site dumpers from one to 10 tonnes – already being sold with great success in the UK and France – will be launched to the German market.

The JCB site dumper line-up is based around four popular weight classes. Compact one tonne and two tonne machines have been designed primarily for house building and landscaping contractors, while 3-3.5 tonne models will suit general construction and rental businesses. At the heavier end, both 6 tonne and 9-10 tonne dumpers offer the ultimate carrying capacity for larger earthmoving projects.

JCB Chief Innovation and Growth Officer Tim Burnhope said: "2016

is an important year for JCB with the launch of some great new products. Bauma will be the first international outing for the 3CX Compact which has just gone into production. Feedback on this machine is fantastic.

"We are also very excited about the launch of a range of new wheeled loaders. The Command Plus cab has already met with rave reviews from users of our flagship 457 model and its introduction on other machines in the range gives us some great opportunities for growth."

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Powerscreen set to Launch New Electric Screen

Powerscreen will host its global launch of the new electrically driven Warrior 1400XE mobile heavy duty screen at Bauma 2016.

It will exhibit the mammoth Premiertrak 600 jaw crusher

alongside the new screening model at the Terex booth FM711.

Commenting on the line-up, Colin Clements, Powerscreen Global Product Line Director said, "This is a very important year in Powerscreen's history.

In 2016 we mark 50 years of power and success and what better way to start the celebrations than with a global machine launch at bauma on the industry's largest stage. Our team of crushing and screening experts look forward to meeting new and existing customers at the show to share how our equipment and features can add real value to their businesses."

Product Manager for Powerscreen, Oliver Donnelly, explains some of the thinking behind the new model. "The electrically driven Warrior 1400XE shows our response to customer demand and our commitment to embracing a more environmentally aware approach to innovation. This latest development utilises a combination of highly efficient

electrical components and clever design to deliver the lowest possible cost for every tonne of material processed through the machine.

"While we are excited about the low running costs, we are proud to have produced a machine where customers will also quickly see dramatic savings in the costs associated with maintenance and servicing. Versatility has definitely not been compromised."

Underlining the ease of set-up Ed O'Donohue, an operator in Ireland, said, "When the machine first arrived, we were hugely impressed with the modern design and robust construction. For a machine in that class range at more than 70 tonnes, we expected it to be quite complicated to set up and get operational, but in fact the opposite was true. The machine was crushing within minutes of being tracked off the transport truck!"



New Doosan Mid-Size Excavators & Loaders On Show



As always, the Doosan Construction Equipment stand at the Bauma Exhibition in 2016 will be a busy place and one of the highlights will be the first appearance at Bauma of the company's new Mid-Size '-5' Stage IV compliant excavators and wheel loaders.

Sharing the same DNA as the larger -5 models, the new Mid-Size models offer similar levels of productivity improvement, comfort enhancement and increased product versatility.

As well as meeting the latest Stage IV emission regulations, the -5 range goes much further and sets a new benchmark for excavator and wheel loader design globally and raises the

performance standards already set by the previous '-3' Stage IIIB range. These changes are signified by a distinctive new machine styling scheme that is common to all new -5 machines.

As well as powerful Stage IV compliant diesel engines, new innovative and exclusive features have been introduced in the new Mid-Size -5 excavators and wheel loaders that reduce fuel consumption further compared to the -3 models. Already excelling in spaciousness and ergonomics, the new cabs on the Mid-Size models have also been further refined for outstanding operator comfort and ease of operation.

Hitachi ZX490LCH-6 to be unveiled

Hitachi Construction Machinery will present the new ZX490LCH-6 large excavator at Bauma 2016.

Designed and engineered to meet the demands of large-scale construction projects and quarries, it offers the highest level of durability without compromising on efficiency. With added protection for key components and high-quality

materials, the new Zaxis-6 large excavator incorporates unique Hitachi technology developed specifically for the range, and has incredibly versatile features for a wide range of challenging working environments.

Several features enhance the durability of the ZX490LCH-6 in line with Hitachi's overall goal to build the ultimate excavator. The boom has been reinforced with thicker plates, and the

undercarriage consists of robust components including the track link, master pin, idler pedestal and bracket, and upper roller bracket.

The new Zaxis-6 large excavator incorporates other high-quality components such as the in-cab console, which is made of weather-resistant AES-grade resin that prevents damage from UV rays. The upper structure has high-quality

sealant (around the cooling package) and acoustic materials to eliminate any deterioration caused by heat. These ensure the machine's long-term cooling and low-noise performance.

Attachments for carrying out different tasks can be easily fitted to the versatile ZX490LCH-6 using the attachment replacement support system. An electronically controlled pressure adjustment feature also protects the attachments during installation.

Terex Finlay launch new I-140 impact crusher

The new Terex® Finlay I-140 direct drive Ø1270mm x 1240mm (Ø50" x 48") horizontal impact crusher with variable speed gives operators unprecedented levels of production in both recycling, mining and quarrying applications. The robust and proven Terex® CR032 chamber gives excellent reduction ratios and high consistency of product shape.

A significant engineering approach being introduced in this model is the material flow through the plant. The flow of material has been significantly improved by increasing the width of components as the material moves through the machine.

The machine features an advanced electronic control system that monitors and controls the speed of the rotor and regulates the heavy duty vibrating feeder (VGF) with integrated pre-screen to maintain



a consistent feed of material into the impact chamber for optimal crushing conditions. Material from the integrated pre-screen can be diverted to a stock pile via the optional by-pass conveyor, or it may join the crushed product on the main belt. The standard hopper capacity of 6m³ (7.5yd³) places the machine at the forefront in this competitive market sector.

"The introduction of the Terex® Finlay I-140 represents a significant step change in our family of impact crushers. Our field test results of extensive

testing have recorded significant productivity increases depending on the application, over the model that it replaces. The enhanced material flow process of the plant represents a significant step change to our engineering ethos and in due course will be extended to encompass our range of impact crushers" said Alan Witherow, Product Manager.

KEY FEATURES:

- The ease of material flow through the machine has greatly improved with each component of the

machine increasing in width as the material moves through the machine.

- Fully hydraulic apron setting assist provides convenient and efficient adjustment of the aprons.
- Heavy duty vibrating feeder (VGF) with integrated prescreen removes dirt fines and sizes bypass material for reprocessing.
- Optional under crusher vibratory plate feeder with wear resistant liners aids material discharge flow.



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Introducing the New MAN'GO from Manitou...

Manitou has been working on developing a 12m access platform, which is economically advantageous for rental companies and their customers, the result is the MAN'GO 12.

The challenge was to create a competitive machine while retaining Manitou's tradition. It was therefore out of the question to reduce the safety, quality or reliability of the machines.

To resolve this problem, Manitou has entirely reviewed the design of the machine. The solution involved technical choices which are a real breakthrough compared to the standards for articulated platforms.

Instead of a 3-part articulated arm supported by 2 rams, Manitou made the choice of lifting the boom section to be driven by a single ram and a system of fulcrums favouring speed of movement. Also, a 1,500 mm jib improves access to the working zone. This overall structure provides a simplified version of the elevation part, an elementary

contribution to reducing the total cost.

The access platform is driven by the wheel motors. The machine retains its all-terrain character through control and management of the distribution of hydraulic oil in the 4-wheel motors and differential hydraulic locking on demand.

This engine position gives a lower centre of gravity, which contributes to making the machine lighter. This design also enabled the width of the turret to be reduced, to improve the operator's view of the steering wheels; this significantly improves safety on congested sites.

Manitou has put a machine on the market that is totally distinct from its fellow TJ and ATJ machines on the numerous points mentioned above, and especially in terms of design and graphical character. This is why its name has changed – to MAN'GO 12.

It would have been easy to create a 120 ATJ to offer a 12 m access platform to the market. But to fully respond to the specifications of its rental-company customers, Manitou had to radically change the design – and concerning components, Manitou has used suppliers recognised in the field of material handling to ensure their quality.



The MAN'GO 12



NEW GEHL SKID LOADERS

Meanwhile, the Manitou Group has unveiled an all-new mid-frame Gehl R Series Radial-Lift Skid Loader range. These include three new models – a brand new addition to the line – the R150, with 1,500 lbs. (680 kg) capacity, the R135 and the R165.

These skid loaders feature an all-new operator station with an integrated digital display, new load arm design with increased visibility, Yanmar-powered Tier IV Interim engines and several serviceability enhancements.

The R135, R150 and R165 radial-lift skid loaders fall into the mid-frame category and when equipped with optional counterweights, the rated operating capacities range from 1,500 lbs. (680 kg) on the R135 to 1,800 lbs. (816.5 kg) on the R165. Lift heights reach up to 119" (3023 mm) on the R150 and R165.

The state-of-the-art operator's compartment on the new R Series skid loaders leaves little to be desired. A front-lifting restraint bar and armrests with multiple adjustments enhance operator comfort and safety. The mechanical or air-ride suspension seat options deliver outstanding comfort. Creature comforts – such as automatic dome light, cup holder, 12-volt outlet, storage tray and multiple air vents – come standard on these intuitive loaders.

A cab forward design and lowered rear towers deliver unmatched visibility to the bucket edge and rear of the machine. The optional pressurised cab enclosure, with sound reduction material and a rear-mounted air filter, provides a cleaner, quieter, climate-controlled working environment.

Excellent service access is achieved on the R Series models through the extra-wide rear door and engine hood. A swing out rear door and new swing out cooler provide unparalleled access to filter, fluid reservoirs and the engine bay area. The level II FOPS structure tilts back with the aid of gas springs, providing easy internal access to the pumps, hydraulic valve bank and drive motors. A safety restraint holds the ROPS/FOPS structure in the raised position. Release of the safety restraint is made easy with a new pull cord. Plus, all high-rotation pins have grease points for ease of maintenance and quiet operation.

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Miller's Million Pound UK Factory Investment

Global earthmoving attachments specialist, Miller, has invested almost £1.5 million overhauling its UK manufacturing plant.

The substantial investment has focussed largely on three key areas – productivity, service level and lead time reduction, which centralised on competitive bucket manufacture. This will ensure that the industry will continue to be serviced by a UK company with an absolute commitment to maintaining the highest standards of bucket manufacture here in the UK. Following the initial investment last summer, some areas have already seen a significant increase in productivity; this is set to increase further as three additional new robots were recently installed in the factory. The implementation of the latest robotic equipment to optimise capacity during busy trading periods, two plasma cutting machines and a dynamic parts storage system designed to increase manufacturing productivity are just a few of the improvements that have been made. This, coupled with planned stock building during quieter periods, ensures industry leading availability is guaranteed on all fast moving products.

Mike Askew, managing director at Miller, said: "This initial investment, which is part of a major long-term plan designed to guarantee that we can continue to provide high quality, competitively priced attachments. It demonstrates our commitment to manufacturing in the UK. Continual investment in our product range and manufacturing processes is vital to ensure we're able to meet the needs of our customers while remaining competitive in a global marketplace.

He added: "We're looking firmly ahead now and by creating a lean and efficient manufacturing process, we are confident that we're ready to tackle any future challenges head on."

Losi Acquisition Expands Product Offering

Losi Ltd's product offering has increased significantly with recent acquisition of Euro Industrial Equipment (UK) Ltd, the M+S Hydraulic Motor & Caproni gear pump distributor in the UK.

It follows the retirement of Kosta Kostadinov who headed up Euro Industrial in the UK for more than 20 years.

Losi Group has been the M+S Hydraulic distributor in Central Europe for more than 30 years, working very closely with M+S in the development and expansion into new products.

Three years ago Losi Ltd was set up as official distributor for M+S Hydraulic in UK alongside Euro Industrial and exclusive distributor for M+S Hydraulic in the Republic of Ireland

Losi Ltd is based in Kings Lynn Norfolk and operations are run by Jim Bell and his son Ashley.

As Losi Ltd has expanded so has its warehousing space and with the inclusion of Euro Industrial stock, that growth will continue.

Success for Losi has come by working closely with key OEM manufacturers and being involved



Losi's Jim Bell with Kosta Kostadinov.

with them at the design stage of projects through to production build. In many cases, flexibility from M+S enables custom drive solutions to be developed to suit the OEM applications.

Losi Group has its own hydraulic manifold design and manufacture facility based in mainland Europe specialising in customised manifold solutions; it also provides a first class

service to the hydraulics distribution industry.

With the Euro Industrial acquisition comes access for Losi to the Caproni product range; this includes, gear pumps & motors, hydraulic valves, hand pumps, plus additional products. The move will help expand the customer base for Losi and improve service as a result of increased stock holding.

Sandvik Construction to supply Qmatec Rig Solutions in the UK

Sandvik has reached an agreement with Norwegian company Qmatec Drilling AS to offer customers in the UK the full range of QMATEC drilling solutions.

Qmatec Drilling is a well-known and respected name in drilling, with its production facility located in Vinje, Norway. The company manufactures drill rigs that are used the world over for foundation, waterwell and energy drilling. The

drill rigs have been manufactured since 1966, formerly under the name Nemek Drill Rigs.

Qmatec Drilling took over the production of Nemek drill rigs in 2007, and has since then continuously developed the product and production under the name of Qmatec Rig Solutions. Today the drill rigs are considered to be highly developed and of high quality.

The distributor agreement with Qmatec Drilling AS will cover the sales, aftermarket and service of Qmatec Rig Solutions in the UK. The agreement will enable Sandvik to add a significant range of DTH (down-the-hole) drill rigs to their offering.

Qmatec Rig Solutions is a leading name in providing specialised drilling equipment for areas of the market not currently covered by the Sandvik range. Through the distribution agreement Sandvik will be able to service the requirements of such market areas of Ground Engineering applications, water well drilling, and energy drilling, through the provision of specialized QMATEC drilling equipment.

Sales, service and aftermarket care in the UK will be provided locally by the UK sales company, Sandvik Mining and Construction.



Doosan Expands Authorised Dealer Network in Ireland

Doosan Construction Equipment has expanded the company's dealer network in Ireland with the appointment of EMS (Embankment Machinery Sales), based at Saggart near Dublin, as the Authorised Dealer for Doosan crawler and wheeled excavators and wheel loaders in Leinster and Doosan mini- and midi-excavators for Munster and Connaught.

Anthony Pearce, Doosan Regional Manager – Northern Europe, commented: "We are delighted to be able to appoint EMS as the new Doosan dealer for Leinster. The company has an excellent reputation and offers extensive experience in both the Irish construction equipment market and the Doosan range, which will be key in further increasing our market share in Ireland."

Headed up by Seamus Flynn and Eamon O'Loughlin, EMS was established in 1989. Seamus Flynn said: "We are very pleased to be representing the Doosan brand.

We have been associated with it for many years and are passionate about the fabulous product line-up.

"With the latest Stage IV machines, there have been huge increases in the specification of the Doosan range, providing even better value for money for our customers. With enhanced performance and a host of advanced features available as standard that are only provided as options on other machines in the market, customers are very impressed with what Doosan has to offer. As a company, Doosan is very easy to do business with and they are as equally focused as EMS on regaining market share and position."

Anthony Pearce added: "EMS has begun strongly with several Doosan machine sales early in the new dealership. We are also encouraged by the recovery in the Irish market, where activity levels are improving all the time."

Under the new agreement with Doosan Construction Equipment, EMS has exclusivity for sales

and service in Leinster for the full range of Doosan crawler and wheeled excavators from 3 to 53 tonne and the full range of Doosan wheel loader models with bucket capacities from 1.9 to 4.8 m³. In addition, EMS is selling the Doosan range of mini- and midi-excavators throughout the Republic of Ireland.

Aftersales service is a crucial part of the offering from EMS (www.emsmachinery.com) and the company prides itself on its professional aftersales and product support. The service department at the Dublin headquarters provides a complete field and workshop service operation for the Irish market.

All the staff at EMS offer many years of experience and all the company's engineers are factory-trained in the wide breadth of applications and maintenance procedures for Doosan equipment.

Customers will benefit from the company's well-established on-site service network, covering



everything from emergency repairs to routine maintenance. As well as covering existing contracts, EMS provides flexible service agreements, depending on the requirements of the customer.

EMS is offering service and warranty work on all existing Doosan machines in its area, backed by the full selection of genuine accessories and parts. The company is also holding a stock of new and used Doosan branded machines, to respond quickly to customers' needs.

Innovation and teamwork deliver success at Millharbour



Groundforce has cemented its relationship with specialist contractor O'Keefe with the completion of the team's second challenging basement project in east London.

45 Millharbour is a 14-storey mixed-use development located in the centre of the Isle of Dogs, within an area designated by Tower Hamlets Borough Council as the "Millennium Quarter".

The project, which is being managed by F3 Construct for developer Facilitas, got underway late last year, with basement excavation beginning in April 2015.

Groundforce secured the £90,000 contract to provide support for the 90m long, 26 - 32m wide excavation against stiff

competition, says Ajay Nagah, Senior Engineer (Major Projects) with Groundforce.

The 8m-deep excavation was 32m wide for most of its length, with a narrower, 26m wide, 24m long section at one end.

The 32m unsupported span required the use of Groundforce's 250 tonne capacity MP250 modular hydraulic props with 1,220mm diameter "super-tube" extensions to achieve the stiffness needed. The 150kN/m loads, coupled with the 8m prop centres and 32m span, necessitated the use of large props and tubes.

In total, eight MP250 units were installed as cross struts, with two of them supporting the 26m wide section.

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CATERPILLAR

Leading the Way in Innovation & Technology

The Caterpillar Demonstration & Learning Centre, which covers over 260 acres in the Costa del Sol in southern Spain, was the setting for a recent Press Day to showcase the latest technological and innovative advances made by the manufacturer, as Plant & Civil Engineer's Justin Carrigan reports.

With no significant machinery launches, Caterpillar used the occasion to focus on the technology that continues to drive its sustainability and successes around the world.

The Cat D6K2 dozer, for example, a long-time favourite for its finish grading prowess, now features a smart suite of 'Grade' technologies and an updated undercarriage design that supports even faster finish grading speeds.

These Grade technologies combine digital design data, in-cab guidance, and automatic blade control, resulting in enhanced grade accuracy, reduced rework, and lower costs—whether the application is bulk earthmoving or finish grading.

Experienced operators can work more productively and less experienced operators can achieve better quality results more quickly. These smart features are integrated right into the machine at the factory – no additional hardware or software is required.

One such feature is Cat Slope Assist, which helps operators reach target slope fast by automatically maintaining the dozer blade's established blade angles - finish up to 39 percent faster, with up to 68 percent better surface quality and using up to 82 percent less operator effort!

Slope Assist will be available mid-2016, starting with LGP, LGP VPAT and XW VPAT configurations. The added technology is complemented by a new colour Liquid Crystal Display (LCD), which shows Slope Assist values, real time machine mainfall/cross slope, and a variety of machine operating information and functions.

Then there is Cat AccuGrade, a dealer-installed aftermarket grade-control system that provides increased grading versatility and the ability to scale capacity to changing needs, providing a choice of lasers for 2D flat-plane and slope work, Global Navigation Satellite System (GNSS) control for complex 3D cuts and contours, and/or systems using a Universal Total Station (UTS) for fine and finish grading.

AccuGrade utilises components of the Slope Assist system to provide an even higher level of grading performance than was previously achievable. The AccuGrade Ready Option allows you to easily install or upgrade to Cat AccuGrade 2D and 3D grade-control systems to add versatility and resale value to your machine.

Meanwhile, Cat Connect LINK technologies offer telematics to wirelessly connect users to their equipment, providing valuable insight into machine or fleet performance. Product Link is deeply integrated into machines, providing easy access to timely information, such as machine location, hours, fuel usage, idle time, and event codes. Data is available via the online VisionLink user interface for assisting in more effectively managing the fleet and reducing operating costs.

COMPACTION CONTROL

Another innovative advance from Caterpillar is Cat Compaction Control, available on Cat asphalt and soil compactors. It offers a scalable suite of tools to efficiently enhance productivity and the quality of compaction.

The optional system is available on select Cat Tandem Drum Asphalt Rollers, Single Drum Vibratory Soil Compactors, Static Wheel Compactors and Pneumatic Tire Compactors.

Operators typically rely upon their experience and intuition to gauge when compaction meets specification. This method often produces high variability in

Introducing drone technology...



the quality of the work, resulting in failed quality tests, costly rework and delays.

Cat Compaction Control, however, enhances quality and productivity by providing operators with information that can guide operation to ensure that compaction will meet specification. The system is scalable from basic measurement to more advanced systems with mapping capabilities and in some cases machine control. The system reduces the reliance on guesswork and gives operators the confidence that the work meets specification, allowing them to move on to the next area.

Cat Compaction Control for Soil Compactors, for example, starts with basic compaction measurement systems. Two measurement systems are available: Machine Drive Power (MDP), an energy based system that measures rolling resistance as the machine rolls over the material; and Compaction Meter Value (CMV), an accelerometer based system that measures the ground response to the impact of a vibrating drum.

These systems provide a "dimensionless value," i.e. an indication of soil stiffness, by correlating their measurements to a benchmark or target value established by a testing procedure or by rolling on similar materials known to meet compaction specifications. The value is said to be dimensionless because it does not correlate to any scale beyond the target value, which can change as the material or conditions do.

For asphalt applications, Cat Compaction Control combines infrared temperature sensors with satellite mapping to keep the operator informed of current mat temperatures, machine position, pass-count and pass coverage.

This intuitive system greatly enhances nighttime performance, and also records information for future process analysis and quality control documentation. When combined with drum edge and drum surface lighting, Cat Compaction Control helps extend the workday and increase daily production by optimizing jobsite awareness in low-light conditions.

DRONE ANALYTICS

In a separate development and as part of the company's innovation and technology strategy, Caterpillar is increasing its involvement in the fields of data analytics and drone technology.

It has entered into an exciting new marketing agreement with Redbird in its Europe, Africa and Middle East region.



CAT AccuGrade 2D and 3D grade-control systems adds versatility to your machine

Redbird, established in 2013, is a pioneer in the acquisition and analysis of aerial data collected by unmanned aerial vehicles (UAVs) or drones. Caterpillar say Redbird's ability to both collect drone data and provide analysis of that data using cloud-based, proprietary algorithms offers significant benefits for customers.

"Developing relationships with a broad variety of companies like Redbird will accelerate our ability to help our customers become more productive, make better business decisions and optimize their operations.

"Caterpillar is always searching for ways to collaborate outside our four walls to give our customers and dealers a competitive edge," said George Taylor, vice president with responsibility for the Marketing and Digital Division. "By joining with companies leading the way in the digital revolution, we have a chance to positively impact our customers' and dealers' businesses."

Added John Carpenter, Construction Technology and Solutions manager: "This agreement will help create value for our

customers. UAV data collection and Redbird's image analytics capability will provide customers with a variety of solutions for their operations, such as material inventory management, haul road optimization and project progress to name a few."

And commented Emmanuel de Maistre, CEO and co-founder of Redbird: "Drones are entering a new phase, with data analytics as the heart of this evolution. Our solutions have been developed with leading construction companies and quarry operators for the past two years, helping them extract the real value out of drone data. We are honoured by this collaboration with Caterpillar, which will bring tangible benefits to construction sites, mines and quarries, helping customers work faster and safer."

Caterpillar say that in the coming months, it will continue to collaborate with Redbird and the dealer network "to create awareness, educate and introduce our customers to the benefits of technologies and innovation in our industry."



Another innovative advance from Caterpillar is Cat Compaction Control

New apprenticeship key to delivery of major infrastructure projects

The Institution of Civil Engineers (ICE) has advised that the introduction of a civil engineering apprenticeship is necessary to ensure the delivery of key infrastructure projects in Northern Ireland.



Pictured (L-R) are Chris Lyttle MLA, Minister Michelle McIlveen, ICE NI Regional Director Richard Kirk and ICE NI Chairman Dr Alan Skates at the Manifesto launch at Stormont

With the recently published Skills Barometer identifying that civil engineering faces the second highest level of undersupply over the next ten years, the apprenticeship is crucial to matching demand.

ICE Northern Ireland Regional Director Richard Kirk said: "Apprentices could begin work following their GCSEs with no educational debt and a clear pathway to higher professional levels within our industry. We welcome the Executive's commitment to key infrastructure projects over the next five years, and this is a great opportunity for our young

people make Northern Ireland a better place to live and work."

Establishment of a civil engineering apprenticeship was one of ten recommendations included in ICE NI's 2016 Manifesto, 'Building Our Quality of Life,' which launched at Stormont recently. The Manifesto is centred on three themes – Delivery, Resilience and Skills – and details how infrastructure ensures economic growth, provides jobs, keeps society safe and enhances our quality of life.

Richard Kirk said: "In recent months, and particularly after the ongoing flooding problems, more and more people have realised how resilient infrastructure is vital to our economy and our quality of life. It's encouraging to see heightened interest,

but now we need to deliver and give our young people the opportunity to start out in a very exciting profession.

"Infrastructure has clear economic and social outcomes – every £1 of investment generates £2.84 in the wider economy, and 94% of surveyed businesses cite infrastructure as a decisive element when planning future investment. Though we welcome the devolution of corporation tax, its benefit will not be fully realised without investment in infrastructure and a skilled workforce.

"Our Manifesto includes a needs assessment of five industry sectors: flooding, water, waste, energy and transport. Three sectors have earned a C grade, and energy and waste have a D grade, meaning they are at risk. If we ignore these ongoing issues, we risk making Northern Ireland unsafe, inefficient and ill-prepared for the future."

Giant's Park joins national engineering campaign

The ongoing development at Giant's Park, which will feature Northern Ireland's first Cleantech Hub, has joined a special nationwide campaign to show the public the positive impact civil engineering has on their lives.

"This is Civil Engineering" campaign sees huge banners displayed on infrastructure projects across the UK telling the public what civil engineering is, but also making a clear link between the work taking place and how it will benefit the local community.

Investors, developers and occupiers are currently being sought for the c.30 acre plant across a range of cleantech industries, including recycling, renewables, alternative fuels, water treatment and other low-carbon technologies. The £9.5



million project is funded by Belfast City Council (£3.5 million), and in part funded by Invest Northern Ireland (£2 million) and the European Regional Development Fund, under the Sustainable Competitiveness Programme for Northern Ireland (£4 million). At 340 acres, Giant's Park is the largest redevelopment site in Belfast. The current

works include installation of more than 1700 metres of roads, the setting up of key services such as telephone lines and electricity cables, and landscaping of the site. When completed, Giant's Park will have Northern Ireland's first ever Cleantech Hub, which has the potential to create up to 400 green collar jobs, bring investment of up to £105 million and make Northern Ireland a leader in green technology.

ICE Northern Ireland Regional Director Richard Kirk commented: "More and more, we've seen how resilient infrastructure, new technologies and renewables attract investment and propel our economy forward. Establishing our country's first-ever Cleantech Hub at Giant's Park will set a new standard for Northern Ireland and affirm Belfast's status as a world-class city."

Continued Investment In Sleator Aftersales

Alister McClintock has joined Sleator Plant as Senior Engineer; he previously spent three years with WAC McCandless.

Alister joins a growing aftermarket team at Sleator Plant who continue to invest in this side of the business.

General Manager, Jonathan Campbell, commented:

"Since the end of 2014 we have undertaken a robust product rationalisation.

We have a clear and defined

strategy for the first time in the company's history and that has begun to bear fruit.

"We felt we had a poor reputation for aftermarket care. In order to address that we have invested extensively in the aftermarket team.

"To date we have added a new parts manager, new parts advisor, aftermarket assistant manager plus two engineers. Alister has fitted seamlessly into the team; he has a great

desire to over-deliver for our customers; his skills and experience are second to none."

Added Alister McClintock: "I am delighted to join Sleator Plant. I realised very quickly after talking to Aftersales Manager, Aaron McCaul and GM, Jonathan Campbell that I wanted to work with a company that shared my ambition, drive and enthusiasm to be successful.

"It was a hard decision to leave an established dealership but Sleator Plant is a company that is definitely on the up."



Ready for the road: Alister McClintock

Balmoral Show Already Sold Out

Organisers of the Balmoral Show have already hoisted the 'Sold Out' signs with 700 stands booked for the 148th, three day event, being staged between 11th-13th May 2016.

Stand co-ordinator David Laidlaw is delighted that in the agri and construction equipment sectors, there has been a 99.9% retention rate by exhibitors – with two additional construction sector exhibitors able to book stands.

Among those returning this year are McSharry Bros, Glendun Plant, Northern Lift Trucks, Finning Caterpillar, Sleator Plant, TBF Thompson, Northern Excavators, Pat O'Donnell, D A

Forgie, WAC McCandless, Wilsons of Rathkenny, Alan Milne, Johnson Gilpin and Cowan Bros, so there certainly should be plenty to see – and it's good to know that many visitors are attracted to the show primarily because of the various machinery displays!

"We have really been full again from the middle of December when we closed to all stand requests. The addition this year of the Eikon Centre - a new multi-million pound exhibition and events venue situated in the heart of Balmoral Park - has given us quite a few logistical problems but we were able to get a dry run with the Winter Fair and more recently with the Maze Show," explains David Laidlaw.

A brown horse is standing in a stable, looking at a framed picture of a horse's head. The horse is standing on hay. The background shows a stable interior with various items hanging on the wall.

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Balmoral Show Preview



"Many more exhibitors than usual requested additional outdoor stand space but again, there simply is none available.

"Some 25% of the Eikon space will be given back to Government departments as they have been evicted from their usual stands in order to house the Eikon. A further 150 small stands will then go into the Eikon.

"Outside, the layouts will be roughly similar to last year but with some major repositioning to allow for the Eikon footprint.

"We will have new improved directional signage to go up, new show maps to allow for a better visitor flow and we will have a new Balmoral Show mobile phone app ready in time which will also allow visitors to punch in their GPS location in the car parks on entry and be able to find their cars a lot easier on exit."

There again this year, too, will be Sustainable Village, hosted by our sister magazine, Sustainable Ireland, providing a showcase of innovative products, materials, ideas and information for anyone interested in harnessing, improving, or even just measuring, energy efficiency, recycling performance and waste management. It will provide a definitive platform for businesses representing the entire spectrum of the environmental and renewables industry.

Also featured will be all the traditional regulars such as Balmoral food village, Craft village, a wide variety of the best livestock, parades of prize winning animals, sheep shearing competitions, top international riders from home and abroad who will be competing in seven International competitions which take place over the three days, plus the ever popular Tesco children's farm and displays of vintage machinery.

Weidemann Official Irish Launch at Balmoral

Balmoral Show will mark the official Irish launch of the new Weidemann 6027 Compact Telescopic Handler, and it's sure to attract the crowds on to the Wilsons of Rathkenny stand.

This new model from Weidemann has increased lift capacity and gets more power than its predecessor, as well as a revised hydraulics system for improved loading and handling performance.

The Weidemann 6027 measures less than 2m wide and offers two cab heights – 1.98m is the lowest, 2.1m gives best all-round visibility.

At 2.7T, the machine's payload, which can be taken to the full lift height of 5.75m, is 200kg up on the previous model, and the 100ltr/min gear hydraulics function like a load-sensing system thanks to electro-hydraulic control and load-independent flow distribution. A three-mode safety system provides settings to suit different work cycles and options include auto bucket return and variable flow auxiliary hydraulics.

Replacing the previous model's 68HP Deutz engine with a 75HP Kohler KDI gives the Weidemann 6027 more power and apparently 'greener' emissions.



Kubota to showcase leading machinery solutions

Kubota is showcasing a full range of its market leading machinery solutions at this year's Balmoral Show. This will include its consumer lawncare range and its professional mowers and compact tractors, right up to its higher horsepower agricultural tractors, its range of RTV utility vehicles and a number of its leading mini-excavators.

The company's machines are renowned amongst end-users for providing a high performance, efficient and reliable solution that gets the job done, time after time, with a host of features to maximise user comfort and machine productivity, all

powered by Kubota's world leading diesel engines.

Taking centre stage for Kubota at the show will be the company's recently launched M7001 Series, which will take centre stage on Kubota dealer D.A Forgie's stand. The M7001 range is the cleanest, most technical and powerful tractor the company has ever built, available in three models from 130HP to 170HP (M7131, M7151 and M7171).

Backing up Kubota's product offering is its commitment to providing first class service and aftersales support. This includes industry leading parts and service support, a nationwide dealer network in Ireland and a range of Kubota Finance

options that can be tailored to individual customer needs.

Sam Thompson, Kubota's Dealer Manager for Ireland, commented: "The Balmoral Show is the premier event in Ireland and offers us a fantastic platform to showcase our machinery range to existing and potential customers. We are looking forward to welcoming visitors on our stand at the show and showing them the complete range of solutions we offer."

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Balmoral Show Preview

Larger Stand for Glendun Plant

Encouraged by the response and reaction they got from last year's show, Glendun Plant will be back with a much bigger display.

Commented Glendun Plant Managing Director Dermot Cunnie: "We were so encouraged after our first showing at Balmoral last year that we immediately made plans for a larger stand for this year's event in order to showcase more products.

"The feedback and, of course, the sales generated since then exceeded our expectations."

Glendun Plant are particularly impressed by the sales of the new DW site dumpers, excavators and the TH range of telehandlers.

"That has helped push us into the top five compact suppliers in Ireland which is no mean feat for a company a year and a half old competing against some very well established brands," says Dermot. "The light equipment

too has shown tremendous growth - from the largest compaction plates available in the market to pumps, saws and pokers."

He adds: "Our success with Niftylift has also helped us with an area that we are targeting for further growth this year. Kaeser compressor sales are also growing in line with our expectations."

And comments Ian McVey, Country Manager for Wacker Neuson in Ireland: "I am delighted with the expansion in sales that Glendun have shown over 2015 and going forward into 2016.

"The site dumper range has enjoyed tremendous growth in Northern Ireland, specifically the version with factory installed ROPS and FOPS cabs. They now represent a significant proportion of Irish dumper market sales.

"This is the second generation of cabbed dumpers that Wacker Neuson have offered to the market and are proving to be more

popular than the first. They have heaters and are very quiet when operating; also it removes the driver from dirt, dust and our weather - and, of course, the dumpers have a new series of emission compliant engines."

Wacker Neuson also offer a fully electric DT10E tracked dumper, in addition to a new series of larger forward and reverse plates, the DPU 80 and DPU110.

A range of Wacker Neuson WL series articulated loaders is also now available, starting at 2000Kg with the WL20E, a completely electric loader, extending up to the 7000Kg WL70, while new ranges of excavators starting with the ET65, ET90 and the ET145, will complement the already extremely successful range of excavators currently offered in Ireland.

"2016 will be an exciting year for Wacker Neuson," says Ian, "with new products also being launched at Bauma in Munich."



Third Showing For Sleator Plant

Sleator Plant will be making their third successive appearance at this year's Balmoral Show. The Mallusk based company has secured a slightly larger stand than 2015 and it seems they are very much looking forward to 2016.

Jonathan Campbell, General Manager, said: "We are very much looking forward to this year's Balmoral Show. We enjoyed last year's show immensely and received a number of sales on the back of attending.

"Due to that success we contacted RCAS early for a larger stand for 2016. Whilst the stand we have secured is not as large as we originally requested, we are very pleased to be coming back.

"We had one of the largest plant machines at last year's show, the Terex TA300, we hope to have something even bigger in store for 2016."

Certainly, as one of the up and coming dealerships in the country it's fitting the Sleator Plant stand has grown in size for the 2016 event.



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Balmoral Show Preview

Cowan Bros Debut New Case Optum Tractor

Cowan Bros will be at the show where the new Case Optum tractor will be making its Irish debut.

Launched by Case at a special evening at Cowan Bros Mallusk depot recently, the Optum CVX range consists of two models with compact 6.7 litre NEF engines from FPT Industrial, with 270 or 300hp at a rated speed of 2,100rpm and a maximum power of 313hp at 1,800rpm for the larger of the two models.

The engines feature Hi-eSCR only after-treatment solution for maximum combustion efficiency and fulfil Stage IV emission regulations. Changes for the engine include new valve material and design for the engine head for higher combustion pressure; however the major change comes in the

lower part of the engine block and oil sump, with a specific design where the sump serves as backbone of the tractor, thus removing stress from the engine block.

Whilst the typical weight of the Optum CVX amounts to 11,000kg, this 'structural sump' allows for a maximum gross vehicle weight of 16,000kg, providing ballast and payload options for the customer.

The Optum CVX has the ability to put the additional power to the ground whilst maintaining the agility of the smaller models, thus further increasing efficiency, maximising uptime and increasing comfort levels for the operator, whilst reducing total cost of ownership.

"This is an 'Optumal' solution for this broad

range of demands and specifications. Our engineers have rethought and revised every single detail, always looking for ways to optimise efficiency, performance and reliability alike", commented Case IH Product Marketing Manager Dan Stuart.

To ensure maximum road safety, the Optum CVX can be supplied with ABS to help safe braking in tricky or emergency situations. An optional advanced ABS version is also available. When activated in the field the driver steers normally but, when turning, the inner wheel brake is applied automatically to assist; this is controlled electronically which prevents the wheel from locking up.

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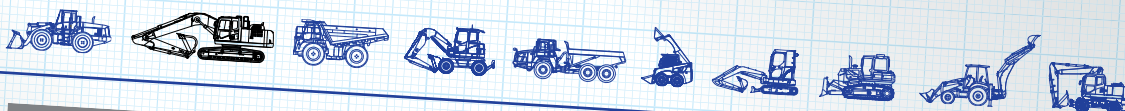
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Balmoral Show Preview



It's Show Time for Ballyward Plant Services

Paul Clarke (Hanix) presenting Robert McAlerney (Ballyward Plant) with the Dealer of the Year award.

Ballyward Plant Services is continuing to build a broad customer base across Northern Ireland, with a diverse product portfolio that includes loaders, telehandlers, diggers and dumpers.

With agencies that include Hanix, Giant and Hydrema, the company will be exhibiting at a series of shows across the Province this coming year. It has already enjoyed success at the Farm Machinery Show in Fintona and the Spring Farm &

Construction Machinery Show at the Eikon Centre at Balmoral Park near Lisburn.

Headed up by Robert McAlerney, the company, which will also be making a first appearance at the annual Balmoral Show, was recently named Hanix Dealer of the Year. Commented a spokesman for Hanix Europe: "We would like to congratulate everyone at Ballyward Plant Services on being awarded the 2015 Dealer of the Year.

"Their fantastic attitude and support has really started to put Hanix back on the map in Northern Ireland and like all of the Hanix dealers we are proud to be associated with such a professional team."

Added Robert: "Since taking on the dealership, interest in Hanix machines has been encouragingly positive and we are looking forward to meeting old and new customers when we exhibit at a number of shows over the coming months."

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McSharry Bros Back With Latest Kobelco Range

Making a return to the show following a successful debut appearance last year are McSharry Bros, the Roscommon-based Kobelco dealer for both the north and south of Ireland.

Having secured a number of sales from new customers in Northern Ireland at the show, the company have no hesitation in coming back.

"The response from last year's show, and that at the CQMS in Tullamore, was very encouraging and we are looking

forward to Balmoral in May, as well as the National Ploughing Championships in September," says Fintan McSharry.

"Balmoral is an excellent show and is very accessible, with plenty of space where plant and machinery exhibitors can promote their products – and visitor figures are impressive."

McSharry Bros plan to have on display at Balmoral the new SK210LC-10 excavator

and a new range of mini machines.

"We did good business at the show last year which is why we are returning in May," explains Niall McSharry. "Having only taken on the Kobelco dealership back then, it proved an ideal platform to re-launch and promote the brand."

"The show is very well attended and we are confident we will do very well from our participation this year as we continue to build on our already well established customer base in the north."



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Featured model: SK260SRLC

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Balmoral Show Preview

Northern Lift Trucks to Show the new Hyundai HX140L

Hyundai has introduced a new Stage IV-compliant hydraulic excavators – the HX140 L – which will be on show on the Northern Lift Trucks stand at Balmoral. This machine provides up to 10 percent better fuel economy and 5 percent increased productivity versus previous models.

The HX140 L excavator is a 14-metric-ton (14,200-kg / 31,310-lb) model, powered by a Perkins 1204F Stage IV engine rated at 116 hp (87 kW). It achieves a maximum dig depth of 22 feet 1 inch (6,730 mm) and maximum digging reach of 32 feet 9 inches (9,980 mm), and provides bucket digging force of 24,890 lbf (11,290 kgf). The HL140 L excavator is equipped with a standard 0.76-cubic-yard (0.58-cubic-metre) capacity, 39.4-inch-wide (1,000-mm) bucket.

Like other models in the HX series, the new Hyundai HX140 L excavator comes packed with high-end features.

For example, the new HX excavator model includes as standard equipment an 8-inch (20.3-cm) interactive, adjustable, touchscreen cluster-monitor in the cab. The monitor in the HX140 L model includes haptic remote control, providing easier operator accessibility



and better ergonomics. The haptic remote control delivers reactive, tactile sensations using vibrations and pulses to guide the operator through menu selections.

Viewable on the monitor, which is standard equipment on both the HX140 L and the

HX235LCR, is the Hyundai-exclusive AAVM – or All-Around View Monitoring – an optional system that provides a 360-degree virtual operating view. Included in AAVM is the IMOD (Intelligent Moving Object Detection) system that senses and warns the operator when



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.

Balmoral Show Preview

objects come within 16.5 feet (5 metres) of the machine. The AAVM system helps make the Hyundai HX series among the safest excavators to operate on any jobsite.

New Stage IV engine technologies, a more efficient vertically stacked cooling design, efficient electronic fan clutch, and hydraulic system innovations on the Hyundai HX series excavators contribute to an overall fuel efficiency improvement of up to 10 percent compared with previous models.

The Hyundai HX series excavators feature large cabs with enhanced climate control, more leg and foot space from the seat to the pedals, reduced in-cab sound level, heated operator's seat with standard air suspension and integrated console. Additional features include a Bluetooth audio system and Miracast wireless functionality for viewing a mobile device screen on the monitor.

An improved hydraulic system includes an innovative Boom Float mode for better grading control, Fine Swing mode for improved load control when swinging, and up to 13-percent faster cycle speeds than previous models. The HX140 L also features IPC (Intelligent Power Control) computer-aided power optimization based on load demand, and Eco

Breaker mode for selectable pump flow and improved fuel consumption when working with Hyundai hydraulic breakers and many other attachments. The combination of faster cycle times and more power result in productivity increases of up to 5 percent.

Enhanced reliability features on the HX series include reinforced longer-life pins and bushings coupled with wear-resistant polymer

shims and newly designed cab shock mounts with dual shock absorption for reduced vibration and noise and improved operator comfort. Serviceability enhancements include ground-level access to the fuel filter and convenient exterior access to the cab air filter. Additional guard rails provide greater safety while performing maintenance and inspections on the upper structure deck.



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Balmoral Show Preview



Colin McDonald, RUAS Chief Executive, celebrates the Balmoral Show 2016 platinum sponsors announcement with Bronagh Luke, Henderson Group/SPAR, Paul Gibson from Lidl, Stephen Murphy from Tesco, Patrice Ash from M&S and George Mullan ABP. Pic Steven McAuley/McAuley Multimedia

Platinum Sponsors continue support of Balmoral Show

The Balmoral Show in partnership with Ulster Bank have revealed the continued platinum sponsorship from SPAR, M&S, ABP, Tesco and LIDL, for the 148th Show. Speaking at the platinum sponsor's breakfast, Colin McDonald, RUAS Chief Executive, said, "The close relationship

with our platinum sponsors continues to grow from strength to strength. Being associated with such key players in the agri-food sector helps the Balmoral Show promote agricultural excellence from the primary producers, through the processors, the new product innovators and the secure supply chain that delivers

our food to the shop shelf." Following Colin's welcome the five platinum sponsors spoke of their plans for Balmoral Show 2016 as well as their businesses in the agri-food sector. A brunch of locally sourced produce was served which was pertinent as Northern Ireland celebrates its Year of Food and Drink.



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Balmoral Show Preview



Mixed Display from Re-Branded Spence Engineering

Manufacturers of Excavator Buckets & Specialist Equipment, Spence Engineering will be returning to the show with some of its latest products – and it will also reveal a subtle re-branding of the company that includes a new logo.

Back on the stand this year, as always, will be company founder Eric Spence who recently celebrated his 80th birthday – and he'll be accompanied by son Paul Spence whose two teenage boys, Aaron

and Kyle will also be making their first appearance at the event, marking three generations of the Spence family.

"Aaron joined the business a couple of years ago, while Kyle has just come on board," says Paul. "They are both serving their time as apprentices on the shop floor and in the design area and are making good progress; they'll be instrumental in taking the company forward in the future."

As for the show itself, the Spence Engineering

stand will feature products from the heavy duty buckrake range as well as telehandler and excavator buckets and a selection from the specialist attachment range.

"We are regular exhibitors at the show and are hoping to have a few surprises on the stand which we are trying to present and promote in a way that's different from other years," adds Paul. "Balmoral Park lends itself well to plant and machinery displays and the venue is attracting bigger numbers of visitors, which can only be a good thing."



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WAC McCandless will have a Strong Showing

WAC McCandless will have a strong showing of its product ranges, including the latest Dash 10 Excavators from Komatsu.

From the Atlas Copco portfolio will be a selection of compressors, water pumps, compaction equipment & construction tools, while there will also be telehandlers from Faresin and vibrating rippers and crusher buckets from Xcentic, as well as Esca and K VX wearparts.

Also featuring in conversation on the McCandless stand, although not physically present, will surely be the latest from Komatsu - the PC490LC-10

High Reach Demolition (HRD) excavator, which will be showing at Bauma 2016.

The PC490LC-10 HRD was first displayed at Intermat 2015 and also received the 2015 award for Innovation of the Year from the National Federation of Demolition Contractors (NFDC).

The machine brings the benefits of the Dash 10 range into the specialised demolition industry and is ideally suited for the demolition of heavy industrial structures. This original Komatsu factory equipment was developed over 2,5 years and has received full OEM quality assurance after passing stringent performance tests.

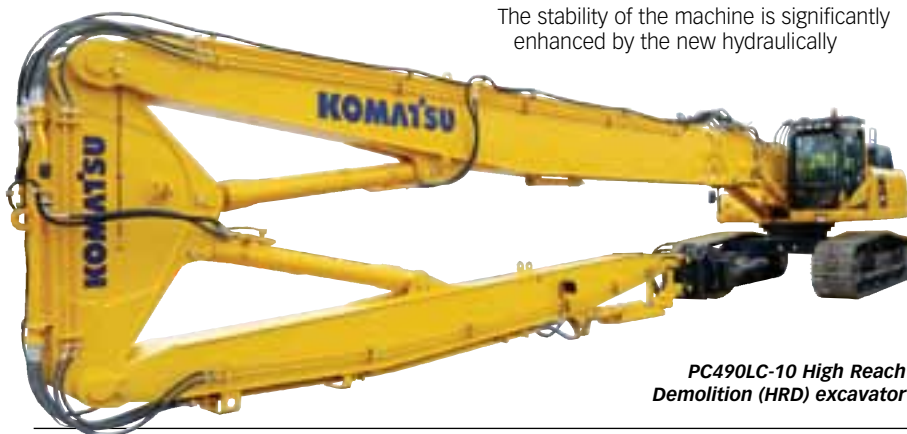
The stability of the machine is significantly enhanced by the new hydraulically

adjustable wide gauge undercarriage which features longer trackframes than the standard undercarriage. Including 700mm triple grouser shoes, the width of the new hydraulically adjustable undercarriage can be varied, in minutes, from the working width of 4000mm to only 3000mm, improving ease of transportation where width restrictions apply. Specified with the new undercarriage, the machine's maximum operating weight is increased to just over 70t.

"We are delighted that the PC490LC-10 HRD machine has already been acknowledged by the industry through winning the NFDC's Plant Innovation of the Year 2015 award and by appearing on the shortlist for the World Demolition Awards 2015," says Simon Saunders, Product Manager for Working Gear Excavators. "Our demolition machine developments are driven by customer feedback and we believe that the new hydraulic undercarriage specification demonstrates our continued commitment to bringing all of the benefits of an original factory developed product to demolition customers."

Weighing in at 70.250 kg, the PC490LC-10 HRD is powered by a Komatsu SAA6D125E-6A engine with a flywheel horsepower of 270 kW (362 HP) and is compliant with EU Stage IIIB emissions regulations.

The latest Komtrax telematics, and the Komatsu Care complimentary maintenance program, offer top fleet management and support, protect the machine against misuse and guarantee maximum efficiency and uptime.



PC490LC-10 High Reach Demolition (HRD) excavator



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Developing traditional building skills to sustain our future heritage

For the past seven years CITB NI has been working hard to address the skills and knowledge gaps affecting builders and craftspeople working in Northern Ireland's built heritage sector.

Research launched in 2009 highlighted that 16% of pre-1919 buildings were at risk due to the majority of the workforce undertaking the necessary conservation, repair and maintenance work did not possess all the skills required to do the job properly.

Acting upon this research CITB NI secured funding from the Heritage Lottery Fund (HLF) through its 'Skills for the Future' programme to deliver both the Sustaining Traditional Building Skills in NI project and the first Heritage Specialist Apprenticeship Programme in Wood Occupations in Northern Ireland.

Almost £900,000 has been invested in developing the training infrastructure to help upskill the workforce and ensure training and assessment provision is available so that people can gain the skills required to properly maintain our local built heritage.

These programmes have enabled 29 craftspeople and 10 college lecturers to be upskilled in heritage occupations including; Carpentry & Joinery, Heritage Painting; Blacksmithing; Stonemasonry; Plastering and Thatching, with 37 achieving the NVQ Level 3 Diploma in Heritage Skills. It has also provided a team of 11 Heritage Ambassadors/Mentors and 3 NVQ Assessors and seen the formation of the Sustaining Traditional Building Skills Trainers Forum.

Both programmes provided work-based training placements for experienced craftspeople to upskill in their related occupational area and were facilitated by experienced heritage practitioners and included sites owned by the National Trust, Historic Environment Division and National Museums NI, as well as a number of private construction companies.

Through the Heritage Specialist Apprenticeship Programme in Wood Occupations as well as participating on worked-based placements the trainees received bespoke, structured training on a dedicated four week off-the-job training course. 3 local college lecturers assisted in the delivery



Participants from recent Heritage Construction Programmes organised by CITB NI and funded by HLF meeting the new Chair Sir Peter Luff, the new Chair of Heritage Lottery Fund.

of this off-the-job element of the apprenticeship programme and became accredited to deliver the course in their respective colleges.

A 'Training the Trainers' programme was delivered to 10 lecturers from Belfast Metropolitan College, South Eastern Regional College and South West College to improve knowledge and understanding of built heritage and to enhance the provision of traditional skills training within mainstream construction courses. Since the initial training the lecturers have formed the Sustainable Traditional Building Skills Trainers Forum which will build upon the established heritage training infrastructure and have commenced delivering built heritage courses amongst the college network.

A team of 11 Heritage Ambassadors/Mentors were also recruited for the duration of the projects to act as advocates and mentors to pass on their skills and knowledge to the placements on the training programmes and promote the built heritage sector more widely.

Proud Heritage

Barry Neilson, Chief Executive CITB NI, said: "We are extremely proud of our work to help develop traditional building skills within our local built heritage sector. Whilst we have generated many successes in this area of work there is still a lot of scope to further improve local heritage skills. "We were recently able to showcase highlights of our heritage projects at a reception held for

Sir Peter Luff, the new Chair of the Heritage Lottery Fund. We were delighted to be involved and to demonstrate the hard work that has been on going to address our local heritage skills. We wish to acknowledge those who trained on placement, the placement providers, lecturers and ambassadors/mentors who have given the projects their full support and have developed traditional building skills not only for themselves but for the good of the heritage sector. We also thank the Heritage Lottery Fund for their support in this area of work."

Paul Mullan, Head of Heritage Lottery Fund NI, added his support. "Skills for the Future was an important grant programme for the heritage sector. It was an ambitious programme that enabled heritage organisations to focus not only on the skills needed to safeguard our heritage but to equip people with practical skills to help them secure future employment. Sustaining Traditional Building Skills in Northern Ireland has been a great success and we are delighted the participants have gained invaluable practical experience alongside their qualifications which they use to conserve our built heritage."

More Info

For further information check out www.citbni.org.uk follow us on Facebook and join the discussion on Twitter and LinkedIn

CITB NI award top GCSE students at building awards



Pictured are Tom Heaney CCEA, Conor McAvoy Abbey CBS Grammar, Newry (3rd place), Johnathan Loughridge Ballymena Academy (1st place) Emmett Hamill, St Patricks Grammar, Armagh and Barry Neilson Chief Executive CITB NI.

The students who gained the highest grades in GCSE Construction and Built Environment in 2015 were recognised by CITB NI at the annual Chartered Institute of Building Awards held at Nutts Corner.

The GCSE in Construction and the Built Environment has been developed by CCEA to give students a realistic understanding and experience of Construction that will enable them to develop an authentic working relationship with the real world-of-work.

First and second place with the were awarded to Jonathan Loughridge, Ballymena Academy and Emmett Hamill, St Patricks's

Grammar, Armagh. Third place was awarded to Conor McAvoy, Abbey CBS Grammar School, Newry.

The students were invited to the annual Chartered Institute of Building (CIOB) Awards hosted by CITB NI which awarded those professionals who gained CIOB status throughout the year and included a presentation on the Welcome-Wolfson Centre for Experimental Medicine at Queens University Belfast.

On presenting the awards, Barry Neilson, Chief Executive, CITB NI, said, "Congratulations to all the students who excelled in GCSE in Construction and the Built Environment. We are delighted you chose to study a topic that reflects today's modern construction industry. This is a growing topic of choice with 545 pupils sitting the exam in 2015 and 33 schools now offering the subject at GCSE level.

We provide help and guidance on the topic via our textbook and we hope that by studying and excelling at this level you may possibly consider a career in a dynamic industry with lots of opportunities to choose from.

"Whilst the construction industry has been hit hard by the economic downturn, there are modest levels of growth on the horizon. Construction has built our homes, hospitals, schools, roads and these buildings and landmarks will be here long after they have been constructed. It is a rewarding industry that young people should still consider entering. There are opportunities to develop your managerial skills, start your own business, work internationally or become a master craftsman. There are good prospects for career enhancement and there is good earning potential."

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CLOSING DATE for Entries 16TH SEPTEMBER

PLANT & CIVIL engineer

PLANT, CONSTRUCTION & QUARRY AWARDS 2016

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Entries and nominations are invited from individuals or companies connected with the plant, construction & quarry industry, to enter in any or all of the categories listed

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QPANI: Quarry Products Association Northern Ireland • IMQS: Irish Mining & Quarrying Society • HAE: Hire Association Europe
IOQ: Institute of Quarrying • CPA: Construction Plant-Hire Association

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PLANT, CONSTRUCTION & QUARRY AWARDS 2016

Cowan Bros NI **CASE**
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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.

NEW CATEGORY COMING SOON!

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
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Construction Company of the Year

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

Customer testimonies may also be submitted.

SCANIA

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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

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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.

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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.



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Health & Safety Award

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

sponsor to be confirmed



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.



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Specialist Contractor of the Year

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

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



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High Achiever of the Year

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

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

ENTRY FORM

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.

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

Start preparing your entries. You simply cannot afford to miss it!

All inclusive tickets cost just £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**

PLANT & CIVIL engineer

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

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

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JCB Expands Compact Excavator Line-Up



JCB has added four models to its rapidly expanding compact excavator line-up. The machines, all weighing in between 4-6 tonnes, benefit from the same 'next generation' DNA as the 6-10 tonne models launched over the last 12 months, as Dan Gilkes reports.

The global compact excavator market up to 12 tonnes operating weight hit 195,000 machines in 2014, up from a previous high of 177,000 in 2007, demonstrating strong recovery from the low market of just 94,000 machines in 2009.

Outside of Asia, the biggest market for compact excavators is North America, on 32,500 units in 2014.

The UK and Ireland are second on 15,000 machines, followed by Germany at 12,500. Of those 195,000 compact sales, 25% or almost 50,000 excavators sit in the 4-6 tonne class.

The four models start with the zero tailswing 48Z-1, which replaces both the 8045ZTS and the 8050ZTS. The 5.1-tonne reduced tailswing 51R-1 replaces the 8050ZTS/RTS models and the 55Z-1 zero tailswing takes over duties from the 8055ZTS/RTS excavators. In addition, there is a completely new 57C-1, a conventional upperstructure model that delivers maximum lifting and digging performance.

All four midi excavators share the same next generation design, with durable steel bodywork and robust four-plate boom and dipper arm construction. They all use the firm's latest H-pattern undercarriage, with sloped sides for easy cleaning.

All dig end pins now come with bushing, extending greasing intervals to up to 500 hours. Equally importantly for mixed fleets, the machines have revised pin pick-up points that allow them to operate with buckets and attachments from other manufacturers. Both manual and hydraulic quickhitches are available for the excavators and JCB has developed a new range of ECO buckets, with a redesigned profile that makes it easier to fill for improved productivity.

Performance has also been enhanced at the dig end thanks to a longer main boom and shorter dipper, which provide 5% higher dump height for easier loading into trucks

and site dumpers. The machines benefit from increased hydraulic performance too, delivering up to 9% more bucket tearout force and 2% higher dipper arm force.

The biggest change for the operator is the adoption of JCB's latest cab structure. The three smaller machines share the same standard cab, with improved legroom and greater visibility. The 57C-1 uses the cab from JCB's larger midi excavators, boasting an incredible 18% more interior space and up to 11% more visibility, thanks to repositioned and slimmer cab pillars. Both cabs use flat glazing throughout, for easy replacement on site.

The cab boasts a new full colour 9" customisable screen and a rotary throttle control that offers no less than nine operating modes, including three ECO modes and a new H+ heavy digging setting. This includes a one-touch idle setting, in the centre of the rotary controller, that





allows the operator to drop the rpm to idle instantly if required and return to the pre-set digging mode at the touch of a button.

The screen also allows the operator or a supervisor to set auxiliary hydraulic flows to suit a range of powered attachments. The machines come with single acting hydraulics as standard and double acting auxiliary power as an option. Maximum main flow is 90 litres/min, with the low flow hydraulics set at a maximum of 40 litres/min.

Also new to the range is an optional Safe Lift feature, with an integral Lift Overload warning monitor that has a green-amber-red graphic and an audible warning to prevent over lifting. This feature is standard on machines with hose burst check valves fitted.

All four midis get an electro-hydraulic dozer lever with up to three buttons in the lever head. These can be used to operate the two-speed tracking, dozer float

and a four-way adjustable blade where fitted. The two-speed tracking comes with auto kick-down to keep the machine pushing in tough ground conditions.

Power is provided by a choice of Stage IIIA/ Tier 4 Interim Perkins engines, delivering 48hp (35.7kW) or Tier 4 Final JCB by Kohler diesel engines, with a similar power output but increased torque. JCB believes that up to 70% of European demand will be for the Perkins engines, while the Kohler unit will be the prime choice for the North American market. That said, contractors and rental companies supplying city centre projects may well be tempted to spend the additional money and go for the cleaner motor.

There are a host of options available for the four midi excavators, including high performance LED work lights with a guide-me-home function, that allows the operator to lock the cab and walk a safe distance from the machine at night before the lights automatically turn off. Customers can also order green seatbelt activated beacons, though the excavators have JCB's 2Go hydraulic lock-out system as standard, requiring the operator to lower the left hand servo pod and activate a button on the main console before using the levers.

The machines also come as standard with JCB's LiveLink telematic system, providing managers with working hour data, fuel levels and service warnings.

JCB recently celebrated the production of its 100,000th compact excavator and these four models will no doubt further boost the firm's popularity in the midi market. With southern European markets in particular starting to improve, the timing should be ideal to see further sales growth.

Utility Upgrade

JCB has upgraded its compact 8018 Utility specification mini excavator. The popular 1.5-tonne machine now comes with fully bushed pins for 500 hour greasing intervals, LED working lights with additional guarding, rubber counterweight protection and the option of a steel lower door panel.

Designed to appeal to utility and municipal contractors, the Utility specification includes standard street pads for the dozer blade. The machine also comes with a hand-held tool hydraulic circuit, allowing operator to power a range of tools alongside the excavator, for breaking, cutting and pumping operations.

Given the frequency of movement of the machine, between job sites, the 8018 Utility also gets four sturdy tie-down points on the side of the track frames, to prevent operators throwing damaging chains and straps over the rubber tracks.



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Executive Hire Show celebrates 10th Anniversary in style



Dromad Hire's Managing Director Seamus Byrne and General Manager Ronan Cotter receiving their award from Matthew Hill, MD of Obart Pumps

The Executive Hire Show 2016 is over for another year – and what a year it was! It was the biggest show in its 10-year history with more exhibitors than ever before – 183 to be precise and a rise in visitors too, which is an excellent sign that the hire market is rock solid.

The Show's success is dependent on happy exhibitors and judging by the EHS twitter account, which was a hive of activity before, during and now after the show, there were some very happy exhibitors.

Among them was Dromad Hire from Dundalk, picking up the Passionate Hirer Award, with the company's recent new initiatives and expansion of services proved a winning combination.

"Dromad is to be congratulated on its customer focus and investment in new technology. The company is a truly Passionate Hirer, offering a range of support services that do not detract from its core business principles."

Congratulations, also, to Morris Site Machinery who scooped two awards at the Show – the first for Exhibitor of the Year 2016 and then the Innovation Award for its akinex PHT-140 powered hand truck, which enables one person to lift and load small equipment weighing up to 150kg.

Other exhibitors, too, enjoyed the show, as the following selection from Twitter illustrates:

Bomag GB: "Thanks to @ExecHireShow for a great show, the best yet!"

Calorex Heat Pumps: "We had a very successful show thanks to everyone involved"

Phoenix Hire & Sales: "Thank you to everyone who came to the stand! We had a fantastic show."

HSC (Hire Supply Company): "Well that was AMAZING wasn't it #ehs2016 was brilliant."

Trailer Engineering: "WOW what a show, had a great two days meeting old and new customers thank you to everyone @ ExecHireShow see you next year."

Talking to exhibitors at the show also confirmed the confidence in the hire market. Paul Bidwell marketing manager for Manitou, said: "We had very good interest in the new Mango and sold a number of access platforms as a result of the show. There is a good level of confidence in the market place."

Raimo Ala-Korpi, managing director Avant UK, said: "We have sold a 528 loader and we have sold buckets and attachments. We have had many visitors from Hire companies on our stand upgrading their fleet. We have some good leads to follow up too."

National hirer Hewden visited the show and placed an order for 50 JCB Skid Steers in a deal worth £2.5million. JCB Chief Executive Officer Graeme Macdonald said: "This order is very significant for JCB and we are delighted that such a major hirer as Hewden recognises the unique health and safety benefits of the JCB skid steer range."

The Executive Hire team would like to thank all the exhibitors and visitors who attended the show and say they look forward to seeing everyone again in 2017 at the Ricoh Arena on the 8th & 9th February 2017.

Hire Awards Of Excellence 2016

The 2016 Hire Awards of Excellence will soon be upon us once more, a glittering spectacular which rewards the best companies, products and people, and is arguably the highest profile awards ceremony in the plant, tool and event hire industry.

The Hire Awards has been organised and run by HAE EHA for over 20 years and has grown significantly in size and grandeur since its humble beginnings as a small lunchtime event held in the working week.

The team feel very proud to see how large and prestigious the

event has become and once again it expects to seat well over 300 guests in the Ballroom at the beautiful 8 Northumberland Avenue in London - a very impressive venue to which the event returns for the second year running on April 23rd.

This prestige is reflected in the choice of celebrity host in 2016, TV and radio personality Jeremy Vine. Initially known for his smooth talking but tough approach as presenter of shows like Newsnight as a political correspondent working alongside John Sergeant, now Jeremy is household name famous for hosting BBC quiz

show Eggheads, not to mention a memorable appearance on Strictly Come Dancing in 2015.

It's no doubt, that after such a varied career guests will be entertained with many diverse stories from his experiences grilling the likes of Gordon Brown and Peter Mandelson, to what really goes on backstage at Elstree Studios during the filming of the Strictly live shows!

FINALISTS

This year the panel of judges was made up of experts from selected trade bodies and organisations operating within the sector as well as other supporting industry

areas. The judges were looking for evidence of safe, responsible and sustainable businesses who put their customers' needs first, and individuals who have risen to challenges often over and above their calling or in the face of difficulty.

"We were particularly pleased to see so many more entries submitted in the form of a video, this is a much easier format for the judges to work with and really demonstrates the passion of those submitting the entries. It's this passion that captures the judges and is so often lost when entries are submitted in writing."



Louise O'Dwyer and Mirela Goboca of the Red Cross get to know a few of the drivers and bikers taking part in the Tipperary town run.

Tractor Action Weekend in aid of Irish Red Cross Storm and Flood appeal

The storms and floods of last December has led to a great deal of hardship and heartache for many as the floods washed through their houses destroying belongings, furniture and fittings as well as leaving a foul mess behind to be cleaned up before normal life can be resumed.

The Irish Red Cross have been at the forefront of attempts to bring comfort and aid to those affected and are now that the waters have receded they have found their services required all

the more as the true extent of the damage becomes apparent.

To help provide funds for their excellent and ongoing work a series of events have been arranged by the classic and vintage vehicle community in Ireland with several tractor runs being held in the west and Midlands this spring.

The first four events were held over a recent weekend with over €8,000 being raised in all. In Donegal the Mid West Vintage Club raised just under €3,000, a coffee morning in Thurles brought in over €300

while the two tractor runs on the Sunday in Co Tipperary brought in €1,830 from Tipperary Town and €3,100 from Littleton.

Further events are planned including a tractor run at Belmont, Co Offaly. A bike run will also be held at Littleton in March. Altogether a tremendous amount of work by many people went into arranging these events and Michael Fahey who was behind much of the organisation would like to sincerely thank all those who came forward to make the events so far such a success.

UFU witness police operation to tackle rural crime

Ulster Farmers' Union, deputy president Barclay Bell, recently accompanied PSNI officers from County Armagh on a police operation to tackle criminality in rural areas.

This was a joint operation between four neighbouring PSNI policing districts, DARD, Garda, HM Inspectorate of Constabulary (HMIC) and Road Safety Authority (RSA) Ireland.

The operation included various checkpoints including one at the border in Middletown.

"It was good to experience first-hand the PSNI and the other organisations working together. By being at the centre of this operation I gained a better understanding of the work involved and saw for myself a pro-active drive to tackling rural crime at a local level," said Mr Bell.

He added that the operation highlighted how the presence and co-ordinated efforts of the PSNI was central to any crack down on theft in rural areas. The PSNI also explained that the information received from rural dwellers is imperative to tackling the issue. "Rural people are the eyes and ears of the rural community and we would encourage any valuable information to be passed on to the PSNI or Crimestoppers," said Mr Bell.

The UFU believes a joined-up approach is needed and Mr Bell said this operation was a good



Pictured is Barclay Bell, UFU deputy president (Far Right) and William Irwin, Chair of the Agriculture Committee (Far Left) with the PSNI and Garda.

example of how the PSNI can work well with other organisations to tackle crimes that are a big source of frustration and economic loss for farmers.

"We will continue to lobby to ensure this type of work and good practice is replicated consistently across all policing districts in Northern Ireland," said Mr Bell, adding that the UFU will continue to work with the PSNI so that the issue of rural crime remains high on their agenda and is tackled in a proactive way.

Quadix Trooper 800 Diesel UTV ticks all the boxes for farmers

Farmers are currently demanding safer vehicles on their premises and that explains the huge sway in interest towards UTV vehicles at the moment.

There are quite a few models to choose from when considering such a vehicle but one that seems to tick all the boxes is the road legal Quadix Trooper 800 model. A point worth noting is that the Trooper has T1 tractor classification so it can be taxed for the road cheaply.

With increased stability due to its low centre of gravity, this UTV helps keep the operator safe with the certified steel cage as extra protection.

Not only does it look the part, the Trooper 800 model comes packed with a host of extras as standard and at a price that compares very favourably to other UTVs and quads.

This model, being sold in both Northern Ireland and the Republic by Wolfhound Vehicles based near Dungannon, is powered by a quiet Perkins three cylinder 800cc diesel engine.

The vehicle weighs 700kgs unladen and has plenty of pulling power with over 20 horsepower coming from the engine, generating a top speed of 25 miles per hour. It is recommended to pull 800kgs and has a payload in the cargo box of 400kgs, plenty of room for those bales of hay.

With a ground clearance of 11 inches and fitted with 26 inch agri tyres this tough utility vehicle will go anywhere, especially as it has select four wheel drive and lockable front and rear differentials when the going gets really tough. If the operator gets stuck then there is always the 3,000lbs winch, which can be operated with remote control, to pull them out.





Bann Hire well placed for further growth

Bann Hire's recent move to a new and more spacious site on the Scarva Road Industrial Estate in Banbridge has perfectly placed the company to further grow its already well established customer base.

The business had operated for around 18 years in Rathfriland Street in the town. Acquired by Bann Hire in 2007, it had long ago outgrown the premises there.

"We would have moved earlier, but felt the timing wasn't right until now," says Bann Hire's Shane McCrory, who has worked in the hire trade since 1991. "With business having recovered from the effects of the recession, we are now looking forward to expanding our customer base."

The Scarva Road depot is much larger than the old premises, giving the

company considerably more storage facilities and doubling the yard space.

With two other depots – in Portadown and Lisburn – Bann Hire have a wide range of equipment, all maintained to the highest standards, from mini diggers, dumpers and forklifts to cement mixers, rollers, scissor lifts and cherry pickers, as well as an extensive portfolio of sawing and cutting equipment and power tools.

Bann Hire's continuing success can be attributed to many things, not least its ongoing investment. Adds Shane: "Customers rightly expect the best available machinery and equipment when they come to us, so it is vital to our business that we are constantly expanding and upgrading our hire fleet."

The company recently took delivery of a number of Hyundai machines from Northern Lift Trucks, including mini diggers ranging from 2.5 tonnes through to 8 tonnes and up to 14.5 tonnes.

"Our customers like the Hyundai brand and we have always enjoyed a high level of service and support from Northern Lift Trucks; the team there is always available if and when we need them," says Shane, who also adopts a 'hands on' approach to the business.



In recent times, staff numbers in the Banbridge depot have doubled, and all are highly knowledgeable, ensuring customers get the very best out of their hire equipment.

If machinery develops a fault while on hire, the company will despatch a fitter within the hour; if it can't be repaired on site it will be replaced, thereby minimising the potential for any downtime.

Bann Hire, which operates a separate division, Bann Machinery, to buy and sell quality used equipment, also offers a delivery and collection service throughout the country; indeed it currently has machinery on hire in France.

CUSTOMER PRAISE

So what do customers think of Bann Hire? Portadown based AAES Ltd, which provides asbestos abatement, environmental services and groundworks, has been dealing with Bann Hire for the past four years, hiring a wide range of machinery including diggers, dumpers, sawing and cutting equipment, even wallpaper strippers.

Comments AAES's Stuart Jameson:

"The service we get is exceptional. The



staff are very helpful and supportive, offering good advice and guidance on what machinery is best for our purposes. If they don't have anything suitable in stock they will quickly source it for us.

"The quality of their equipment cannot be faulted; we also deal with other hire company's, but we have never ever had an issue with Bann Hire. It is a very friendly and flexible company to work with."

Civil engineering company A.G.Wilson, who provide a comprehensive range of

engineering services to both the private and public sectors, have also enjoyed a long working relationship with Bann Hire.

Comments Derek Wilson "We cannot complain about the service and support we enjoy from the team at Bann Hire.

"Over the years we have hired out a whole range of equipment and machinery such as diggers, dumpers and lighting – all of the highest quality. We have never been let down by Bann Hire; the team there is first class."



Scania Construction Trucks



Maximum uptime and operating economy

Buying a Scania construction tipper will make a significant and positive effect on your productivity – and your bottom-line profitability. At the end of the day, it's all about uptime – the last thing you need is an unscheduled standstill or unplanned costs.



Scania tippers operate both on and off the road, sometimes in exceptionally harsh and unwelcoming places such as quarries and landfill sites. Then there are the brutal forces associated with loading and tipping, not to mention the dirty and dusty environments these vehicles often find themselves working within.

It follows, therefore, that only trucks built to the highest and most durable standards will fit the bill here. Which goes a long way to explaining why Scania – with its choice of premium quality heavy duty chassis, drivelines and axles – is today the runaway market leader in the UK's eight-wheel tipper sector.

With the P-, G- and R-series truck ranges, Scania's range of construction trucks is tougher and more customer-oriented than ever, while a host of recently introduced cab features and options further promote driver appeal and convenience – indicative of the fact that Scania always focuses on the driver and on the driver environment to provide maximum support for safe and efficient driving.

After all, a truck that is nice to drive will attract good drivers. This in turn boosts road safety, while bringing lower fuel and repair bills, as well as higher transport efficiency.

Scania tippers, of course, are renowned for their performance, operating economy and long service life, all of which contributes to a high resale value. After serving their first owners, Scania trucks often lead second and third lives as well.

A wide range of engines and competitive chassis weight combined with robust design, means that more cargo can be carried on a Scania construction vehicle without compromising durability.

Technically permissible weights often exceed plated weights, offering a useful margin that boosts service life. Scania's extensive service network and modular component system result in less downtime if attention is required.

If the complete vehicle is supplied by Scania, the manufacturer also ensures the availability of bodywork parts and complete vehicle servicing via its network.

"We've purchased Scania because of the brand's fantastic reputation. Their residual value is excellent and the fuel economy is first rate, now that's got to make good business sense."

J. McNabney



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Renault's Rugged Construction C 430 Tippers Impress



The twisting narrow roads along the County Antrim coastal scenic route between Larne and Ballycastle proved to be a tough testing ground for Renault's C430 8x4 tipper when we had the opportunity to get behind the wheel a while back.

When the C range was first launched, we had the benefit then of a granite quarry on the outskirts of Barcelona in Spain to put it through its paces, but the open roads of Northern Ireland was an altogether different matter! That said, the Renault C430 took it all in its stride, making what could have been a drive to forget into one to remember, thanks in the main to its manoeuvrability, comfortable power steering, tight turning circle and excellent visibility – all of which meant that we avoided and averted the potential for what could have been some serious impacts. The cab of the C Range is one of the most striking features. It is more spacious, more comfortable and more ergonomic with its use of rotating buttons. The wraparound dashboard, which has been subject to many ergonomic tests, immediately put us within easy reach of all the main controls

and it featured a 7 inch main colour screen (the largest on the market) displaying vehicle status information intuitively. The ergonomic steering wheel, with its three dimensional adjustment, plus a 200mm range of seat adjustment, meant we were able to easily find a perfect driving position.

Cab and body access have also been carefully thought out to make drivers' day-to-day work and vehicle servicing as easy as possible: a step on the side of the vehicle has been added so that drivers can check their load, as well as anti-slip steps offering easy access to the windscreen for keeping it clean. Capable of taking the heaviest punishment, the truck is also fitted with steel corners and protective grids for the headlights.

Renault tell us the C range focuses on high payload, low fuel consumption and comfort on a par with that of a long-distance vehicle and, as we discovered along the way and previously on our test drive in Spain, its excellent obstacle clearance capacity and its pulling power didn't disappoint, thanks to the new Euro 6 in-line six-cylinder DTI 11,430hp engine, optimising SCR technology, and providing maximum torque of 2040Nm from 950rpm to 1400rpm.

FUEL EFFICIENT

Northstone Materials is another big local fan of the Renault Range. Last summer it ordered the first twelve 32 tonne Renault Range C430 8x4s to join its DAF wdominated fleet in a significant deal for Renault Trucks. Impressive fuel performance and additional payload were key factors in the company's vehicle purchase decision, which followed a competitive tender process.



The trucks, again supplied by dealer Diamond Trucks, included 6 Range C430s fitted with Hymix mixer units and a further 6 with insulated tipping bodies by Coleraine-based Farlow Engineering. Commenting on the decision to bring the first Range Cs onto Northstone Materials' fleet, Commercial Director, Richard McDermott says: "Fuel performance is our main issue. We've had good experience with some Renault Premium tractor units on our fleet, which ensured Renault Trucks were invited to tender. We asked all the manufacturers to demonstrate mpg – the Range C's impressive fuel performance, together with an additional half tonne payload and the competitive cost of leasing the vehicles, determined our decision. The additional payload is important, but the biggest saving is in mpg." He said that after a couple of months on the road the Range C430s were already achieving 8.5mpg, around a mile per gallon advantage over other vehicles on the fleet.

FIRST CHOICE

Not surprisingly, the C range has proved popular with local operators. When civil engineering contractors and quarry operators FP McCann, for example, decided to upgrade some of their award winning fleet of trucks they had no hesitation in opting for the latest Renault C430 8x4 tippers from dealers Diamond Trucks.

While they were attracted by the truck's ruggedness, its working comfort, excellent payload, and pulling power, the new Euro 6 engines and low fuel consumption, another key reason was the fact the company has long experience of the Renault name, and it's all been good.

What do the drivers think of them? "They are well pleased with both the handling and the performance," says Chris McCloy, Transport Manager at FP McCann.. "The C430s have plenty of power to tackle every day duties – from hauling blacktop to muck shifting. While most driving is done on-road, the trucks have taken any off-road duties in their stride, too – and they also have the capacity to tow our full range of trailers and plant, making them a great all-round addition to our fleet."



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Fruehauf's range of aggregate tippers feature the bathtub aggregate tipper, the plank side aggregate tipper and the halfpipe Aluminium aggregate tipper.



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Fruehauf also manufacture a range of specialist tipper trailers for specific applications and industries, such as the bathtub waste trailer, plank sider waste trailer, walking floor and steel bulker.

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Foreword

**Chairman of the Chartered Institution of Highways & Transportation (CIHT)
Northern Ireland Region, Louise Dougan, MSc DIC BEng (Hons) CEng MCIHT**

Northern Ireland has long been recognised for its high quality workforce, with a strong educational base and renowned work ethic. As a region, we have a lot to offer not just locally but also nationally and globally in the design, construction, operation and maintenance of world-class transportation infrastructure.

The provision of a safe, resilient, sustainable and effective transportation network remains fundamental to our overall success and remains a key factor as we strive to continue to recover from the global recession. We are also mindful of the need to protect our local industry skills base with ever increasing demands for a transient workforce.

As a learned society with over 13,000 members throughout the

UK, CIHT is focused on bringing together industry and Government in developing shared goals and objectives to develop and deliver this transportation vision. In Northern Ireland, our regional committee brings together representation from the public sector, consultancy, contractors and academia, drawing upon this shared experience to provide a robust and well-rounded industry perspective on current and emerging issues and policies. In 2016 we will continue with this important lobbying role seeking to meet with the Minister for Regional Development at least annually to discuss transportation priorities and the need for a balanced and long-term approach to capital and maintenance investment.

The Northern Ireland Region remains dedicated to offering support and networking opportunities to provide our members with continual professional development through a calendar of technical and social events. So far this year, we have benefited from technical talks on emerging policies such as Intelligent Mobility as well as the Derry~Londonderry to Coleraine Resignalling Project, the NI/ Belfast Transportation Models and airport resurfacing projects further afield. We have also contributed to the national CIHT Futures project by bringing together a group of our members as part

of a half-day workshop exploring the future of transportation.

Our forward programme of events will include a talk on A26 Frosses Road Dualling as well as a celebratory Women in Transport event and our annual Gala Dinner in March. Other events have included a site visit for our younger members to the Belfast Transport Hub / Belfast Rapid Transit project; a social evening and the forthcoming annual F1 Challenge.

We remain committed to ensuring that our members have the opportunity to become professionally qualified at all levels, including Chartered Engineer (CEng), Transport Planning Professional (TPP), Incorporated Engineer (IEng) and Engineering Technician (EngTech) and this year we were able to hold some professional reviews in Belfast. We are also actively seeking to increase our local support network of Mentors, Reviewers and CIHT Company Champions as well as increase our engagement with our younger members at the student, apprentice and graduate grade through our Young Professional Group – so please do get in touch if this is something that you think you can help with or would like to know more about.

In the meantime, we welcome your thoughts and ideas of how to improve our events and expand our network of

volunteers who can make this happen through membership of the regional committee. If you would like to get in touch please email regions@ciht.org.uk.

*Louise Dougan has worked in the transportation industry for nearly 20 years – graduating with a BEng (Hons) in Civil Engineering from Queens University and subsequently with an MSc in Transport from Imperial College London. Initially working within the public sector on local road safety and traffic management schemes, Louise went on to become part of the core team that introduced the central London Congestion Charging Scheme in 2003. She returned to Northern Ireland in 2004 and joined the consultancy world with her current employer – Atkins Limited. As a senior project manager and transport planner, Louise has been involved in the development of local transport plans and policies as well as the development of business cases for major public transport schemes including bus rapid transit across the UK. More recently, Louise has moved into Atkins' Transportation Win Work team and as a senior Bid Manager, she currently leads some of the company's largest strategic highway and railway tenders from across the UK business.

CIHT Northern Ireland Events Programme Spring/Summer 2016

The following programme of events may be subject to change. Please check the CIHT website regularly for updates – www.ciht.org.uk/events
For further information please contact: Roisin Wilson Tel: 028 44 61 8156 E-Mail: roisin.boyle@drdni.gov.uk

DATE	EVENT	TIME AND VENUE
Thursday, 3 rd March 2016	Northern Ireland's Women in Transport Event For further details contact: Louise.dougan@atkinsglobal.com	Moreland Room Belfast Harbour Office 1pm-3pm
Thursday, 3 rd March 2016	Northern Ireland Region Annual Gala Dinner For further details contact: Freddie.patterson@laganconstruction.com	Titanic Belfast 7pm for 7:30pm
Thursday, 10 th March 2016	Young Professionals F1 Challenge For further details contact: paulmckeown@hillintl.com	Eddie Irvine Sports 6:30pm
Monday, 11 th April 2016	Joint Meeting with ICE: Delivery of the A26 Frosses Road Dualling <i>Speakers: William Diver, BAM/McCann JV Contractor and Brian Devlin Arup Consulting</i>	Ulster Museum, Stranmillis Road, Belfast 6.15pm
Monday, 18 th April 2016	Annual General Meeting	David Keir Building, Room LG 024 6.15pm, QUB <i>Tea served from 5.30pm in the Hub</i>
Wednesday 11th to Friday 13th May 2016	Annual Study Tour For further details contact: John.mcroberty@drdni.gov.uk	Liverpool
JUNE 2016 (DATE TBC)	Harold Scott / Construction Golf Competition	TBC



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Geotechnical

Using satellite data to remotely monitor deformation of civil engineering infrastructure

Queen's University Belfast together with the British Geological Survey (BGS) and the Geological Survey of Northern Ireland (GSNI) have just embarked on an exciting new research study to illustrate how satellite radar interferometry (InSAR) techniques can be used to remotely assess small ground movements in geotechnical or structural infrastructure, with millimetre precision. The satellite radar data is available from 1992 onwards and can be used to either assess historical ground movements or alternatively monitor current movements or ground subsidence.

The research team at QUB and BGS are working with three major local stakeholders, TransportNI, Northern Ireland Rail, and the Department of Trade and Industry (DETI) and ARUP to help embed InSAR monitoring techniques in their organisation to improve their methods of managing geotechnical risk. The intention is that this project will demonstrate the many benefits of using InSAR, such as coverage of large and remote areas not easily accessible on foot and consistent accuracy of the measurement of small movements over long periods of time. The project will examine landslide instability and subsidence at 4 major sites. Study site one is in North Belfast along the edge of the basalt escarpment. Historically this area has been subject to shallow translation landslides and evidence of movement can be seen for in Ligoneil Park and along the Antrim Road. The second study site is on the railway line between Belfast and Bangor where sections of the track are in steep sided cuttings prone to instability, particularly after periods of heavy rainfall. The third site is the abandoned salt mine workings around Carrickfergus. These mine workings have caused huge crown holes to appear at various locations around Carrickfergus as a result of mine collapses. This area is currently monitored by DETI using ground based survey techniques. Figure 1 shows



Large crown hole above abandoned salt mines near Carrickfergus in 2001



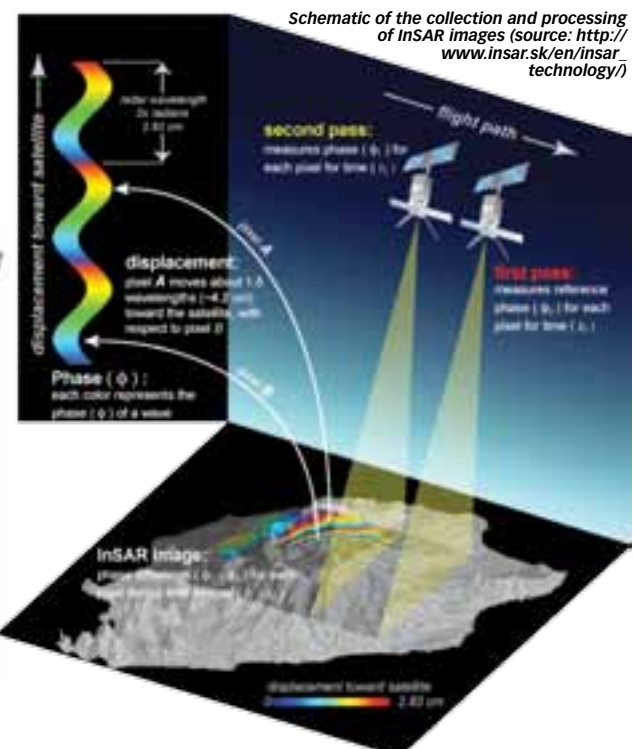
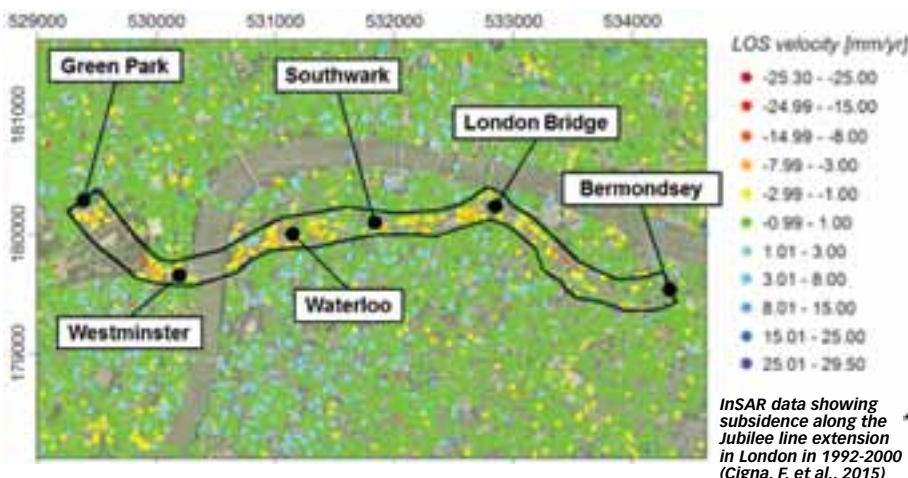
Debris from landslides along the Antrim Coast Road

a spectacular crown hole which appeared in 2001. The fourth site is at Straidkilly on the Antrim Coast Road. This section of road cuts through soft Jurassic clays and debris from the slide area has frequently spilled onto the road closing it at times (Figure 2). Put simply InSAR works by scanning the Earth's surface from various satellites using radar frequencies (see Figure 3). The scans are taken at regular intervals and the Earth's motion or deformation can be inferred by the examining the difference between successive scans. Rates of movements of sub millimetres per year can be achieved provided strong radar reflections are achieved from the Earth's surface. One recent example of the power of this technique is illustrated in Figure 4 which shows the ground subsidence following the excavation of the Jubilee line extension in London between 1992 and 2000. The green dots are radar reflections with zero movement while the yellow and red dots, coincident with the line of the Jubilee tunnel, show surface subsidence of up to 15mm/year (Cigna, F. et al, Journal of Pure and Applied Geophysics, 2015).

Clearly the applications of this technique are many and it may not be too long before we can measure road surface deformation (rutting) or embankment subsidence from these satellite data. The project is funded by NERC under the Environmental Risks to Infrastructure Innovation Programme. For further details contact David Hughes at Queen's University Belfast d.hughes@qub.ac.uk

THE TEAM:

David Hughes, Jenny McKinley, Conor Graham, Shane Donohue, Queen's University Belfast;
Francesca Cigna, Vanessa Banks, British Geological Survey;
Kieran Parker, Alex Donald, Geological Survey of Northern Ireland.



York Street Interchange

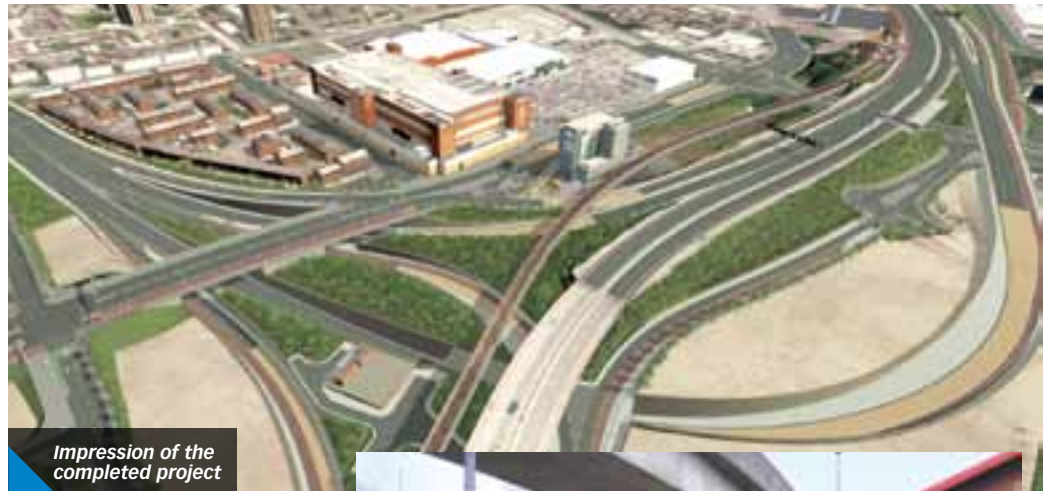
Moving in the Right Direction

Belfast is Northern Ireland's major transport hub and the main transport gateway to the rest of the United Kingdom and Europe. It is the focal point for a number of the Key Transport Corridors (KTC) that collectively form part of the strategic road network managed by Transport NI.

The existing York Street junction is located on the Eastern Seaboard KTC just to the north of Belfast city centre. Here, strategic traffic movements on the Eastern Seaboard KTC conflict with other traffic movements to and from the M3 motorway and local traffic movements into and out of Belfast city centre. The conflict between strategic and local traffic movements is presently controlled by a complex arrangement of traffic signals that includes four signalised junctions at York Street, York Link, Nelson Street and Great George's Street. The overall signalised "box" created by these four signalised junctions is known as the York Street junction.

The capacity of the existing York Street junction is limited by both the volumes of competing traffic flows (over 100,000 traffic movements per day) and the various physical constraints at this location. These physical constraints include adjacent residential housing, commercial, retail and industrial properties, elevated rail infrastructure carried on the Dargan Bridge and the capacity of approaching roads including the Westlink, the M2 motorway and the M3 Lagan Bridge.

This causes undue congestion and thereby delays for freight, public transport and



Impression of the completed project

private vehicles, particularly at times of peak demand.

PROPOSED SCHEME

The Proposed Scheme will provide a fully grade separated interchange to replace the existing signalised gyratory junction. Interchange links between the Westlink, the M2 and the M3 motorways will be provided in underpasses passing under new bridge structures at York Street and under the existing Dargan and Lagan bridges.

The existing North Queen Street and Dock Street bridges and the Whitla Street subway structure will be widened as necessary to accommodate widened carriageways, with another new overbridge structure proposed at Dock Street. Retaining walls and piled embankments will be provided as required to support the new road alignments. Connections from the local street network to the new interchange links will be provided at Clifton Street, York Street, Dock Street and Duncrue Street in the form of on-slips. Connections from the strategic road network to the local street network will



Junction serves over 100,000 traffic movements per day

be provided in the form of off-slips from the interchange links at Clifton Street, York Street and Nelson Street.

QUANTITIES

Delivery of the Proposed Scheme will require appropriate phasing of significant construction works within a highly constrained urban site. The following quantities are noted:

- New bridges = 4no.
- Widened (existing) bridges = 2no.
- Widened (existing) pedestrian underpass = 1no.
- New vehicle underpasses = 4no.
- New retaining walls = 22no.

- Volume of cut = 107,300m³
- Volume of fill = 87,500m³

The project has an estimate range of £125 - £165 million.

CURRENT POSITION

A Public Inquiry for the proposed scheme was undertaken in November 2015. The Contract (OJEU) Notice was released in November 2015 and TransportNI are currently preparing a full suite of contract documents for tender in spring 2016. Following completion of the necessary Statutory processes it is currently programmed that construction will commence in late 2017 and take approximately three years to complete, subject to finance being available.

Become Professionally Qualified

The CIHT Northern Ireland Region is supportive of their members wishing to gain professional qualifications.

As part of this the Region held a successful professional qualifications seminar on

25th June 2015 which was attended by the CIHT Training Manager as well as a local reviewer and a previous candidate.

We are pleased to announce that the following Northern Ireland candidates successfully achieved professional qualifications as follows:

Callum Donald (Amey) – IEng
James Redmond (Amey) – CEng
Colin Hutchinson (TNI) – CEng
Ryan Devlin (TNI) – CEng

If you are preparing for your CIHT professional review, CIHT has created a LinkedIn group specifically for CIHT members preparing for their engineering professional review. It is a forum for prospective candidates to exchange ideas, share good practice and offer general support. Join this new group now – <https://www.linkedin.com/groups/8481330>

Consultation to start on A5 scheme

Transport Minister Michelle McIlveen has announced the start of consultations on new draft Statutory Orders and a new Environmental Statement for the A5 Western Transport Corridor dual carriageway scheme

The A5 Western Transport Corridor is one of five key Transport Corridors in Northern Ireland and the proposed upgrade will improve links between urban centres in the west of Northern Ireland.

Michelle McIlveen said: "The A5 dualling scheme is one of the Northern Ireland Executive's flagship projects. This announcement will begin a consultation process which, subject to successful completion of statutory procedures, will see construction start next year on the £150 million Newbuildings to north of Strabane section of this road.

"This important project will not only have positive benefits for the local economy and construction industry but will also significantly improve safety and journey times for all road users."

Once the consultation period has concluded, a decision will be made on the need for a Public Inquiry on the scheme, currently tentatively programmed for autumn 2016.

At this stage, the section south of the A4 at Ballygawley will not be progressed. This is in line with a recommendation from the Inspector's Report from the 2011 Public Inquiry which stated that there should be a firm commitment from the Irish Government in relation to the N2 improvement scheme; and certainty in relation to funding provision for the construction of this section of the scheme.

The publication of the draft Orders and the Environmental Statement will be followed by a public consultation period during which a series of public exhibitions will be held at venues local to the scheme.

Student & Young Professionals on Site Visit

The CIHT Northern Ireland Branch hosted a Student & Young Professionals event to outline the proposals for new the Belfast Hub and Belfast Rapid Transit System.

The event was organised by CIHT Dr. Paul McKeown and hosted by Translink (Clive Bradberry), Transport NI (Peter McParland) and guest speakers Len McCombe (Project Director, Belfast Hub) and Eamon Scullion (Arups Project Engineer, Belfast Hub).

The Belfast Hub is a transport led regeneration project that will enhance the experience of bus and rail passengers, enable regeneration of the local community and support the economic growth of Belfast. Currently Translink's Europa Bus Centre and Great Victoria Street Railway Station are operating at near capacity and do not provide the level of customer service that would be expected from a modern terminus station. The project aims to develop a new integrated bus and rail station on the site that will have sufficient capacity to manage future demand and provide a suitable sense of arrival for the capital city of Northern Ireland. It is also proposed that dedicated facilities will be provided for the Belfast to Dublin cross border Enterprise train service.

The Belfast Rapid Transit System is a transformational project that will use new tram-like 18 metre articulated buses which will be the key part of the BRT system image. They will have multiple doors providing easier and quicker boarding and alighting and a high quality environment for passengers. The vehicles will utilise some of the latest diesel/electric hybrid technology with lower noise, vibration and pollutants. The system will also incorporate high quality halts with easy access to vehicles, real time information systems and off-board

ticketing to speed up the boarding process. The BRT network currently being developed will link East Belfast, West Belfast and Titanic Quarter via the city centre and is scheduled to commence operations in September 2018.

These site visits are very important in two ways: young professionals and student members, as they develop a better understanding between academic and professional applications of sustainable transport initiative. Also, to create a chance for students and young professionals to meet senior level professionals and gain a better understanding of design and construction methods and best management practices used today within industry.

The problems associated with this type of infrastructure development relates mainly to dealing with the construction activities within a public environment. This type of strategic proposal has the potential to affect large parts of the city, commuters and local residents. Subsequently, Government Agencies and Departments work to minimize the disruption by meticulously planning and implementing safety and traffic progression measures to minimize disruption to local business, industry and residents. This is always a challenge, but one that Translink and Transport NI have sought to achieve during the phasing of these strategic capital investment projects.

Commenting on the event the attendees agreed 'that it was an exceptional insight into what was a very interesting demonstration of the Northern Ireland Capital's future plans to improve the existing public transport system well into the 21st Century'.

Construction to start on A6 Randalstown to Castledawson scheme this year

Work on the Moneynick section of the A6 is expected to start later this year, Transport Minister Michelle McIlveen has announced.

A total of 14kilometres of new dual carriageway will be constructed as part of the scheme. This will be in two sections: 7.3kilometres from the end of the M22 at Randalstown to the Toome Bypass; and 6.7kilometres from Toome Bypass to the Castledawson roundabout. The total cost of this project is expected to cost around £130million.

Transport Minister, Michelle McIlveen said: "Last month the Northern Ireland Executive announced a package of funding to take forward major flagships projects, including the Randalstown to Castledawson section of the A6. "This is a major investment for the north west and will be very welcome news to the local construction industry.

"The A6 dualling scheme is a significant project that will help to remove a major bottleneck and so improve safety and journey times on this strategically important route."

In May last year, Graham/Farrans Joint Venture was awarded the contract for the development of the A6 Randalstown to Castledawson Dualling Project, the first phase of which was to assist TransportNI with completion of the design and have the scheme at a 'shovel ready' stage.

Michelle McIlveen continued: "That detailed design work is progressing and now that the Executive has confirmed funding for this section of the A6, the scheme can move ahead with work on site expected to start by the end of the summer."



D.A Forgie's Lisburn Depot Opens Its Doors

D.A Forgie has expanded its operations with the opening of a new branch in Lisburn.

The company, a dealer of Kubota's high performance range of machines, will use its new branch to sell and service the Japanese manufacturer's agricultural and construction product ranges, along with Merlo equipment.

To mark the official opening of the Lisburn branch, D.A Forgie hosted a special celebratory event for its customers and suppliers at its new depot situated on the Blaris Industrial Estate.

Visitors had the chance to view Kubota's new range of higher horsepower tractors – the M7001 Series, which were showcased at the event.

Kubota's M7001 is the cleanest, most technical and powerful tractor the company has ever built. Manufactured to target the heavy weight agricultural sector, it is available in three models from 130HP to 170HP (M7131, M7151 and M7171).

Also on display was a number of Kubota's agricultural machines, like its M Series tractors, RTV utility vehicles, along with its market leading range of mini-excavators – the KX and U Series.

David Forgie of D.A Forgie's commented: "We have decided to align our agricultural product offering with Kubota's recent move into the higher horsepower agri market. If the new range of M7001 tractors are as good as the rest of the Kubota machinery, then I know it's going to go down really well with farmers."

The company's Lisburn depot is a 6,400 sq m facility and includes a trade counter, spare parts and service workshop. It

is being run by branch manager Ria Forgie and its staff includes a service engineer, sales and a store man.

D.A Forgie's was recently recognised in the Kubota Dealer Service Excellence Awards as a Gold dealer for Kubota's construction equipment and groundcare solutions. The awards are based on dealer equipment, facilities, commitment to training and, most importantly, customer service.

Ria Forgie, branch manager at D.A Forgie's Lisburn branch, said: "This is an extremely exciting time for our business. We are in a fantastic location in Lisburn and we are looking forward to developing relationships with new customers in the region. There's a massive opportunity to grow our business by

continuing to do what we do best, provide a first class service to our customers."

Sam Thompson, Kubota's dealer manager for Ireland, commented: "Kubota has undertaken a major investment and commitment with the launch of its new range of mainstream agricultural tractors – the M7001 Series. We believe that D.A Forgie is the best partner to help us enter this sector in Northern Ireland.

"Kubota has established a very strong working relationship with D.A Forgie over the years. David and his team are extremely well respected and trusted in the market and we are looking forward to continuing our partnership approach to working in the future."



Heavy Haulage

Donnell & Ellis

Keeping You on the Move

Are you a construction company that needs machinery and materials moved from one site to the other? Do you want to deliver large containers to your client in Europe? Or do you have heavy electrical systems and hi-tech instrumentation to be loaded and delivered?

No matter how big or abnormally shaped your machinery, Donnell & Ellis have the necessary vehicles to get your goods transported to wherever you need them to be, and they'll make sure they get there well on time, whether you need them to be delivered a few miles away or across Europe.

The company operate a modern 30-strong fleet that includes flatbed trailers to fit all types of loads, low loaders for particularly heavy goods and step frames for easier access with a load capacity up to 100 tonnes.



CAN HANDLE:

- Indivisible loads
- Abnormal loads
- Heavy loads
- Tracked and wheeled vehicles
- Boats and other heavy machinery transportation
- Construction machinery and vehicles
- Plant machinery

"Whether it's one large unit or several small, heavy units that you have, nothing is too big or heavy for us."

Earlier last year, the heavy haulage specialists moved into new surroundings

on the Beltany Road outside Omagh.

The 11 acre site has given the company much more yard space, as well as administration, garage, workshop and storage facilities, all of which is having a positive impact on the business and its operational activities.

There is considerably more parking space which makes it easier to move vehicles around, and better rest and refreshment amenities for drivers, available 24 hours a day. The site is also more conveniently situated, offering better access to the road network, both north and south.

Professional Service at a Competitive Price from Conlon Haulage

Transporting heavy or abnormal loads is best left to the experts; the last thing you want to do is to compromise quality of service to save on costs.

Take Newry based Conlon Low Loader Haulage; they have built their business and reputation over the years on offering customers a professional 24/7 service provided at a competitive price.

Established in 1999, Conlon Low Loader Haulage has grown in both size and stature, thanks to its hardworking, dedicated and experienced professional team, focused on providing fast, efficient and individually tailored haulage solutions to a growing and varied customer base.

Specialising in the transport of agricultural and industrial machinery and also catering for abnormal loads, including those that are not only heavy, but high, wide and long, the company will look after all the paperwork and other associated issues, too – such as providing the appropriate permits and escort vehicles where and when required.

With many years of experience in both home and cross-channel work, the company has developed an adaptable and customer customised haulage service.

"This is not only evident in the length of service we have gained from a substantial number of customers but also from work that has been obtained as a result of referrals from many satisfied customers. The location of our offices means we are within easy reach of Belfast, Dublin and all other areas."

Operating a fleet of modern low loaders and with fully experienced drivers, this long established company clearly has a wealth of experience in moving heavy and abnormal loads across Ireland and the UK, priding itself on being able to take the most difficult of loads to the most awkward of sites.

"We pride ourselves in the service we provide. It is second to none, and combined with our competitive prices, we have developed very positive relationships with our customers down through the years."



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ScotPlant 2016 to surpass record-breaking year

With only weeks remaining until ScotPlant 2016, this year's event now looks certain to surpass 2008's record-breaking year.

The biggest event in the Scottish construction equipment calendar returns to the Royal Highland Centre, Ingliston, on April 22 and 23. Many of the industry's leading firms have already booked stands

including Case, Volvo, Finning, Liebherr, Blue, Sandvik, Takeuchi, Wacker Neuson and Atlas Copco. As always, the show will also have a significant Scottish representation with the likes of Young Plant, SCG, Scot JCB and

Kattrak flying the flag for the industry north of the border.

This year they will be joined by plenty of first-time exhibitors including Andy Black's Relentless Plant, Highland Hammer Hire, LOC Hire and Rototilt.

ScotPlant's Mark Griston confirmed other major names are expected to be added to

the line-up before the event. He said, "The enthusiasm for this year's ScotPlant has been greater than ever before. The show is nearly sold out, with only limited spaces still available both indoors and outside." Here, Plant & Civil Engineer takes a look at what visitors can expect from just some of the exhibitors...

Strong Line-Up from CASE

CASE Construction Equipment has teamed up with its dealer Hodge Plant to offer an impressive line-up of machines for the Scotplant exhibition.

With the largest stand at the show visitors will have plenty to see and do. As well as new machines from the recently launched D series the first UK qualifying round of the CASE Rodeo Challenge event will be held there.

The CASE team will also be available to explain about the latest innovations in the CASE SiteWatch telematics, plus maintenance programs and finance options.

More than 24 different models designed for all sectors of the construction, quarrying and recycling industries, equipped with latest emissions-compliant engines and fuel-saving technology will be on show. The heavy range line-up will include the new D Series crawler excavators, a wheeled excavator, wheel loaders, and the largest CASE dozer. There will also be an extensive range of machines from the compact line, including midi excavators, backhoe loaders, mini excavators and skid steer loaders.

Operators are invited to come and take part in the first qualifying round of the annual



CASE Rodeo Challenge – an event designed to demonstrate their skill and speed. To secure a place in this year's final, which will be hosted in Paris later in the year, operators will have to place balls into a netball net using a 695 backhoe loader, and against the clock!

Hill Engineering show the new Hill TEFRA Tilt Hitch

Hill Engineering will be at the show with its new TEFRA Tilt Hitch, the award winning TEFRA Coupler and its Hill Titan Buckets.

The Hill TEFRA Tilt hitch was born from the innovation of the TEFRA originally brought to market in 2011. This tilt system allows operators greater flexibility in the way they use their machines and turns each and every attachment into one that can be used at up to 180 degrees. Hill Engineering have used the

award winning TEFRA system as the core of the product and introduced the hugely reliable tilt motor from HKS of Germany to achieve the 180-degree tilt function.

Oliver Phelan, Hill Engineering's sales & marketing manager said, "We see this market growing significantly in the coming months and years as operators' demand more from their machines potentially enter into new markets." The quality associated with the Hill and TEFRA brands, coupled with the unrivalled back up services for our clients, means the TEFRA tilt should be an essential tool in any operators' kit bag."

The award winning TEFRA coupler and the HKS Extra Tilt Power Actuator have been united to provide users with two market leading technologies that, according

to Hill Engineering, will transform the productivity of the users excavator. With a tilt angle of 180 degrees on all models, this ground breaking product will enable users to increase the versatility of their attachments in multiple applications.

Hill Engineering say that the simple and robust design of the TEFRA Tilt sets this product apart from other suppliers. The TEFRA comes with just three moving parts and has been proven to be the most reliable quick coupler on the market today. Additional to this, the HKS XtraTilt Power Actuator is self-lubricating and essentially maintenance free, so that users are able to concentrate on the important tasks. There can be no damage to tilt cylinders and failure of their connecting parts, such as fastening bolts and bushes, because the Power Actuator has none of these.

New
TEFRA
Tilt
Hitch



AgCon To Feature Steelwrist Tiltrotators

AgCon, UK importer for Steelwrist Tiltrotators, Quick Couplers and the UK agent for Novatron XSite Laser/GPS machine control systems, will have a strong showing at Scotplant.

The company, which also designs and manufactures its own attachments, will be displaying a range of Steelwrist Tiltrotators, designed for excavators and backhoe loaders up to 33 tons, and offering exceptional versatility and productivity, together with superior earthmoving efficiency.

Key product features of the range include 45° tilt angle, allowing for more time for efficient work and less machine movements and thanks to a combination of casting and truss structure design the Steelwrist tiltrotators give you an optimised digging geometry and improved fuel efficiency, too.

They also feature dual acting tilt cylinders -



X12 with gripper & grab



simply use the tilt function in your digging movement and get the power to use pallet forks in an efficient way.

Other key product features include: high flow six channel swivel for versatile tool usage below the tiltrotator; grease

lubrication and steel casted gear box for reduced life cycle cost; and optional gripper cassette with wide gripper reach.

“Being both time and fuel efficient has never been more important, whilst at the same time creating a

safer working environment for everyone.

“It is our belief that you can get more from your excavator – thereby adding value to your business and your reputation giving you the opportunity to stand out from the competition.”



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THAN THE REST**

Euro Auctions get year off to flying start

Euro Auctions have held their first three auctions of the year, with thousands of lots sold to bidders around the world.

The first of the year was at their Leeds site, held over three days in January when the hammer total reached £30m.

One of the highlights there was the sale of a Volvo L180G Wheeled Loader at £150,000; in all, there were almost 5,000 lots sold at Leeds which attracted 2,000 bidders from 65 countries, including Poland, Finland, Germany, Ireland and the UK.

The second auction was held in February at the Dormagen site in Germany, with 1,800 lots up for sale, taking the hammer total to £12m. The top hammer price was £150,000 for a CAT 140K Motor Grader.

Also in February and closer to home was the third auction of the year - at Dromore - with 2,000 lots sold over the two days which attracted 900 bidders from 35 countries, including Germany,



Romania, Lithuania, Portugal and Austria, bringing in a hammer total of £5m.

The top hammer price at Dromore was £100,000 for a Volvo EC300 20 tonne excavator.

US EXPANSION

Meanwhile, Euro Auctions continues its global expansion with the acquisition of a new auction site in Houston, Texas, securing a firm trading platform in the USA with easy access to Mexico and South America.

The first full sale for 2016 is scheduled for 18th

March 2016. This one day sale will see in excess of 300 lots of mixed earthmoving equipment and construction equipment go under the hammer and in true Euro Auctions style will seek interest from a global market. The new site covers five acres and is only four miles from William P Hobby Airport and 17 miles from the port of Houston.

"Euro Auctions conducted its first sale on this Houston, Texas USA site on the 4th December to gauge local and country wide interest. The results were very encouraging with a selection of cranes out

performing expectation, as such we have now secured this site as our auction facility in Texas," comments Jonnie Keys, General Manager of Euro Auctions. "The Texas region has long been seen as one of the most important in the USA and we feel it is good to have a presence in this area as we grow the Euro Auctions brand worldwide. This new site will also allow Euro Auctions to gain access to the Mexico and South American markets through the port of Houston."

During the last 10 years, Euro Auctions has forged excellent trade links within the USA, building relationships with many of the international players in the used equipment and machinery markets. A pivotal move was the opening of Euro Auctions first permanent US auction site in Atlanta, Georgia, during June 2013, the foundation on which the whole development of the USA market for Euro Auctions was based. Today Euro Auctions has a large number of customers from North America, which the sites of Atlanta and Houston are now able to service, whilst creating new relationships with buyers and sellers across the USA.



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6th, 7th & 8th April 2016 @ 8.30am



Unused Hitachi
ZX330LC-5G



2010 CAT 320DL



2015 Hitachi ZX130-5G
- choice of 2



2012 JCB JS130LC



Unused New Holland
WE210B PRO



2013 CAT M315D
- choice of 2



2002 Liebherr A900B



2013 Hitachi
ZX85USBL-3



2007 New Holland
E50.2C



2007 Kubota KX161-3



2007 Komatsu
D61PX-15



2011 CAT 12M



11-12 Volvo A30F
- choice of 5



2008 Volvo L180F



2013 JCB 3CX P21



2005 CAT 428D



2013 JCB 540-170
- choice of 2



2011 JCB 535 -95



Morooka MST700



2007 Benford 6 Ton
Swivel Skip



Unused Hamm 3411



2011 Bomag
BW213 DH-4



2008 Benford
TV800KFSLR



2007 JLG 660SJ



2012 New Holland
T7.200



2007 DAF CF85 6x2



2007 DAF LF45-140 4x2
Drop Side Tipper



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Wacker Neuson Compaction Range For All Applications

This year sees the re-emergence of the very successful Wacker Neuson high-performance WP vibratory plate range, available from Glendon Plant Sales.

The range has been upgraded to include a low level HAV handle that's still centrally mounted for maximum turning torque at the end of a run.

It also features a full frame guard which covers both the engine and water tank and incorporates a lifting device.

The integral water tank is protected on all corners and is built into the design of the German manufactured machine.

Smaller plates from the German made Wacker Neuson VP range are sized from the VP1030A, a 30 cm (12"), up to the VP1550A 50cm (20").

The Wacker Neuson single direction plate range will be complemented with additional products launched at the Bauma trade show in Munich.

Wacker Neuson Forward and Reverse plates will also change with the new range of larger sized reversible, expanding the choice of remote control plates. Joining the hugely successful DPU130, the largest remote control plate available, will be a DPU110R and a DPU80R to complete the line-up.

The benefits of remote control are clear; it removes the operator from noise, dust, vibration and keeps them clear of danger zone.



"Our complete range of forward and reverse now proudly boast that they all have HAV levels under 5 M/S2 which makes work planning on site a lot easier."

RAMMERS & ROLLERS

The Wacker Neuson rammer range, meanwhile, has not escaped attention with the world leading AS range of battery powered rammers and the continuation of the WM80 2 stroke engine Wacker Neuson BS rammer range, the only two stroke rammers available on the market; this emits less NOX than the alternative 4 stroke engines.

To complete the line-up of Wacker Neuson compaction products a full range of ride on rollers are now available and the Wacker Neuson RT remote control trench roller has been complemented with additional safety features.

*The Wacker Neuson
DPU 110R*



Ammann Range Extends from Rammers to Tandem Rollers

Ammann offers a comprehensive product range of state-of-the-art compaction equipment, available here through dealers Crumlin Plant Sales.

Ammann rammers are powerful, economic, operator-friendly and ergonomic in design - in short, the ideal compaction machine for your construction project. Whether trench construction, backfilling, sub-layer compaction for basements and industrial buildings or repair work on roads and pathways: Ammann rammers can cope with the toughest conditions.

They are characterised by reliability, high compaction performance, easy serviceability, a low centre of gravity and high power reserves. All of these properties enable fatigue-

free work even in the most difficult soil conditions.

Operator safety, meanwhile, is the focal point of remote-controlled vibratory plates. Ammann has developed a machine that is the ideal solution to problems on excavation and canal construction sites: the APH 1000 TC steerable vibratory plate is powerful and very compact thanks to its high-performance diesel engine. It achieves excellent compaction results even in very deep trenches and impassable areas.

The Ammann range of light and medium-weight reversible vibratory plates covers a broad scope of compaction applications quickly, economically and successfully. All models are characterised by easy handling, high agility thanks to

stepless hydraulic forward and reverse drive, including point vibration, and by a functional design (aggregates protected by robust protective frame). Powerful diesel and petrol engines round off the profile.

Unique, versatile and economical, the AR 65 walk-behind vibratory roller is suitable for both soil compaction and asphalt application.

One of the latest additions to the trench roller range is the Rammax 1575 with both articulation and oscillation. With the oscillation function the machine adapts

to the surface and therefore allows optimised compaction results and stable running. Four powerful hydraulic motors and two hydraulic steering cylinders guarantee dynamic drive performance and perfect mobility, even in small spaces.

The fully automatic engine control system reduces the rpm to idle during standstill. With the first operation the engine rises within a split second back to working speed. This substantially helps to reduce the Diesel consumption and noise emissions.

The APH 1000 TC steerable vibratory plate



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Great Turn Out for Agri Shows at Fintona & Balmoral Park

The first of AJS Promotions' 2016 Farm Machinery Shows at Fintona and Balmoral Park attracted big interest from both exhibitors and visitors alike.

Showcasing all the latest and best the farm machinery industry has to offer, Ireland's largest Annual Farm Machinery Show at the Ecclesville Centre in Fintona, Co Tyrone attracted thousands of visitors over the three days, generating significant business for exhibitors.

It was a similar story at the Q8 Oils Spring Farm and Construction Show staged at the brand new Eikon Arena at Balmoral Park, near Lisburn. The show also incorporated a large construction element, all in the excellent facilities afforded by the new building.





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Alske Contracts, Dungannon – New Wacker Neuson EZ28 excavator and 3001 3 ton swivel dumper. Martin Brannigan taking delivery from Derek Weir – Glendun Plant Sales



2 new model Hamm H13ix soil compactors sold in Ireland to C.P Hire, Coleraine – Wirtgen Ireland



Dieci Mini Agri sold to Andrew Gordon in Newtownard by Alan Milne Tractors Newry Co. Down



Martin from Gillespie Tree Care collecting their new Giant SK201D from Ballyward Plant Services



Johnny, Tim & Mark of Irish Stone taking delivery of their New MT 625 – Northern Lift Trucks



McCormick Contracts – first Wacker Neuson DW90, 9 ton swivel dumper sold in Ireland. Aiden taking delivery – Glendun Plant sales



Terex TR60 sold to Quinn Building Products – SLEATOR PLANT



New Stelco sel 150 sold to Colin Edger, Tandragee by DS Hammers Ltd



A new Hanix H55DR for NC Civil Engineering & Contracts, from Ballyward Plant Services



New messersi ch2n tracked dumper supplied to JB Plant Hire from Crumlin Plant Sales



Fitzpatrick Quarries with their new Doosan DX530Lc-5 – Northern Excavators

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JB Plant Hire, Dungannon - New Niftylift 170 trailer mounted boom lift. BJ Toal taking delivery from Glendun Plant



Terex TA400 sold to Irish Salt Mines - SLEATOR PLANT



Kenny & Philip Wensley from Moneymore with their new 5080T Weidemann. Good choice - Wilsons of Rathkenny



New wacker Neuson LTN6 light tower going out on long term hire - Glendun Plant sales



CP Hire - 4 wacker neuson TH412 telehandlers. Richard Hunter taking delivery from Dermot Cunnie and Wacker dealer manager David O'Neill Allen Plant Hire, New Wacker Neuson EZ28



Michael McCrystal from McCrystal contracts taking delivery of his new 13ton Buckets from Francis Hughes, Hughes Attachments Bellaghy



Takeuchi TB290 being collected from Alan Milne Tractor in Newry by Nigel Uprichard Portadown



Dumpers ready to send to GK Hire in Dublin - Nc 1 Ton hi Lift Dumpers - FJS Plant Sales



BJ Toal from JB Plant Hire Dungannon with their new Gehl 4240E - Northern Lift Trucks



Sam Gault, Larne with his new Bobcat S70 narrow access machine - Northern Excavators



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Mr Shane Canavan of Western Buildings Coalisland, taking delivery of the world leading JCB 535/140 hi viz loadall - BC Plant Sales



Congratulations to Killian McHugh from Longford Hire Centre On the purchase of their New Kubota Kx057-4 - FJS Plant



Clifford & Gregg Ltd with their new Doosan DX63-3 sold By Northern Excavators



New Bobcat E25 sold to Hylands Developments - Northern Excavators



A new Hanix H17D for Burke Construction and Plant Hire from Ballyward Plant Services



New rotar mdvn53 130cfm compressor supplied to alpha insulations from Crumlin Plant Sales



CP Hire - Richard Hunter taking delivery of a batch of new Wacker Neuson dumpers including - 6, 9 & 10 toners with cabs - Glendun Plant



McCarroll Plant hire - new Niftylift 120TPE trailer mounted boom lift supplied by Glendun Plant



Torodec Ltd taking delivery of 1 New U17-3@ Kubota supplied by FJS Plant



Stelco sel 950s Ivan Spence Contracts by Darryl Rogan DS Hammers Ltd



Terex TR60 sold to Quinn Building Products - SLEATOR PLANT

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Gladys, Chris and Alistair Simms taking delivery H&P Hire - Northern Lift Trucks



SK140SRLC-3 Damien McPaul, Co. Donegal, Damien McPaul and family - McSharry Bros



A New Schaffer 9630T being delivered to G Hackett in Clogher Co. Tyrone by Alan Milne Tractors in Newry



A 2.5t Takeuchi TB250 being delivered to PMA Trading in Coalsalsand by Alan Milne Tractors in Newry



Two new Kubota U55-4 diggers sold to Amelio Utilities LTD - DA Forgie



Richard Sloan handing over the keys of a new Hyundai R140-9a to Richard McClean of McClean Contracts, Swatragh - Northern Lift Trucks



Group Picture of TA300, TA400 & TR60 - SLEATOR PLANT



Eastwood LTD with their second new Doosan DA30 dump truck supplied by Northern Excavators



Kingsley Smyth, Dungiven, taking delivery of their new MLT 625 Classic - Northern Lift Trucks



Denver Todd with his new Bobcat E26 from Northern Excavators



JCB Teletruk delivered to Duncan Agri to enhance their already extensive Teletruk fleet - BC Plant



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New Dieci 21m Roto Pegasus 50.21 delivered to Eastwood Demolition Carryduff - Belfast by Alan Milne Tractors, Newry



SK140SRLC-3 Off-Set x 2 units, Mills Contracts, Co. Tyrone - McSharry Bros



New Bobcat S570 and planer for R.T.Boyd & Co Ltd - Northern Excavators



Takeuchi TB260 being delivered to SPR Magowan Trees and Land services Islandmagee, Larne by Alan Milne Tractors Newry



New Kleemann MC 110Z Jaw Crusher sold to Shannon Valley Plant, Dublin Wirtgen Ireland



2 x new Wirtgen W 100 CFI sold to Street Sweep, Dublin - Wirtgen Ireland



Brendan at Bann hire takes delivery of new Yanmar V1017, New Yanmar SV08 and Rotail OLS50 Rockbreaker From Crumlin Plant Sales



Two of a recent order of new Giant D267 loaders for DARD Cafre agri colleges from Ballyward Plant Services



Taking delivery of New KX71-3 & Kx015-3 Kubota Excavators also NC 1 ton Hi - FJS Plant



JNJ Homes Ltd collecting their new Hanix H17D from Ballyward Plant Services

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New KX71-3 Sold to Celtic Leasing Plant Hire supplied by FJS Plant Repairs



Group Picture of TA300, TA400 & TR60 - SLEATOR PLANT



Ryan Rogan of RRC, takes delivery of a new Hydrema 912 Multi Tip from Ballyward Plant Services



A new Giant V4502T for B O'Kane from Ballyward Plant Services



Matt Hogg of Alan Milne Tractors with a Schaffer 8610T telehandler sold to Henry Courtney in Dungannon



Gary & Leonard of Kelly Bros in Warrentpoint, Maurice McCrea of Alan Milne Tractor and Ronan of Kellys Bros in front of 3 New Takeuchi mini diggers ready to be delivered to Kellys Bros Hire in Warrenpoint



OMJ Utilities - 4 new machines - EZ17, EZ28, 3001 and DW60 dumper - Sean Jordan taking delivery from Derek Weir - Glendun Plant



New 1 Ton NC Dumper Hi Tip sold to David Wall & Co sold by FJS Plant Sales Ltd



David Lilburn with Mark Hamilton from Hp hire LTD their new Bobcat E26 - Northern Excavators



SK210LC-9 TK Brolly Demolition, Co. Derry, Tom Brolly Jnr and Tom Brolly Snr. - McSharry Bros

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A new Hanix H17D for Burke Construction and Plant Hire from Ballyward Plant Services



SK75SR-3 Noel O'Sullivan, Co. Cork - McSharry Bros



lift Dumps sprayed in Hire Here Red - Supplied by FJS Plant Repairs



New yanmar svo8 supplied to JB Plant hire from Crumlin Plant Sales



Eastwood LTD new Bobcat S570 landed in Northern Excavators yard



Ciaran McIvor of McIvor LTD taking delivery of his new Hyundai R27-9 complete with daemo rock hammer - Northern Lift Trucks

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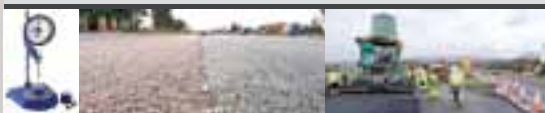
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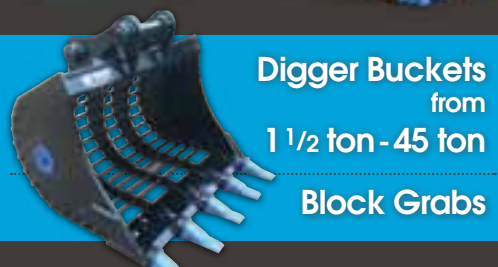
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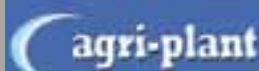
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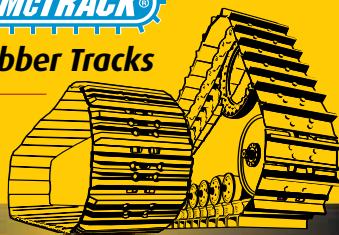
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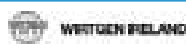


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