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Issue 30



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Shortage of quarry reserves is a growing problem

The quarrying industry has failed to replenish aggregates production for many years with consents for new reserves. This is now having a serious impact on the industry.

A major new report by industry marketing specialist, BDS Marketing Research Ltd, estimates the volumes of reserves and reserves life at each operating and inactive pit and quarry in Great Britain. It concludes that, of the largest regions, the south east and Yorkshire have the lowest sand and gravel reserves life. Areas such as London, West Sussex, Hampshire and South Yorkshire are particularly badly affected.

The problem is not limited to these regions. Elsewhere, Warwickshire and the Cotswold Water Park also suffers from a shortage of reserves.

BDS has identified that over 100 pits and quarries could close in the country, within the next five years, unless new reserves are granted. Commenting on the report, principal consultant, Julian Clapp said 'Many of these sites will be the subject of an application to extend reserves. However, some quarries have no physical reserves left that are adjacent to the site. With markets picking up strongly, aggregates companies need to get their planning applications submitted soon to ensure continuous aggregates supply'.

By company, BDS believes that Hanson has above the industry average for sand and gravel reserves life, whilst Aggregate Industries is thought to have slightly below the industry average. In terms of volumes, BDS estimates that Lafarge Tarmac has the most consented reserves, followed by Hanson and Cemex.

The reserves position is much better in crushed rock, although here to, there are some local shortages. One concern is the future supply of nationally important high psv stone from quarries in North Yorkshire.

In crushed rock, the position of Aggregate Industries is believed to be better as it is thought to have the highest volume of consented reserves. BDS has identified Aggregate Industries as having a particularly strong reserves position in Scotland and the south west

The order of the companies with the highest volume of crushed rock reserves is believed to be Aggregate Industries, Lafarge Tarmac and Hanson.

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Martin Bell, Managing Director, MB Surfacing

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Volvo Construction Equipment



Continued growth at CMS Cepercor

Europe's largest aftermarket supplier for crusher, screen and asphalt plant spares and service, CMS Cepercor have recently made a number of new staff appointments including two senior sales positions.



James Shelley - Sales Director

James Shelley has been appointed Sales Director and will have overall responsibility for global sales of premium crusher liners, precision machined crusher spare parts and services to mining and aggregate production customers, through direct sales, distributors and traders worldwide.



Graham Mitchell - Area Sales Manager

James, previously with FLSmidth, (a leading equipment manufacturer that supplies the global cement and mineral industries) has considerable experience working in the mineral processing industries at a senior level and his experience and knowledge will be a great asset to the company in the pursuit of continued sales growth.

More strength for Scotland

Graham Mitchell has also joined the business in the new role of Area Sales Manager, covering Northern England, Scotland and Northern Ireland.

Graham joins CMS Cepercor™ with over 20 years extensive experience working for leading crusher OEM's, including Allis Minerals, Svedala and Sandvik.

Graham will re-establish his close working relationship with Gordon Anderson who is also employed by CMS Cepercor™ in Scotland. Together they will aim to further develop the CMS Cepercor™ customer focussed service. They will also be supported by a stock holding of replacement parts which will be held locally in Scotland, which in turn will be underpinned by the company's vast stock inventory held in Coalville, Leicestershire.



UK leading bearing & power transmission company offers 5 star products & services

Howcroft Industrial Supplies Limited is a young dynamic independent distributor of bearings, power transmissions and associated products. Started in 1999, HIS has gone from strength-to-strength, building up a very strong name and with structured plans for growth over the next 15 years focusing on re-investing in modern technology to stay at the forefront of the industry

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HIS specialise in quarrying, mechanical, chemical, transport, conveying, glass, food, woodworking, waste, brick and concrete, water and general warehousing.

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HIS power transmissions services include all chain & belt drives as well as gearbox & motor products. HIS offer all chain drives from Diamond and Renold, in different materials such as anti-corrosion and stainless steel, along with back up and design services if needed. HIS offer the complete belt drives from Contitech, specialising in rubber and polyurethane, with or without special coatings and designs for the toughest of conditions.

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Huge screen is the star of the Don Valley Engineering Open Day



Don Valley Engineering (DVE) has recently held an open event for two days at their Doncaster HQ to exhibit a huge array of screens which are to be delivered to Wolf Minerals for their Hemerdon project on the south coast.

Star of the show was a gigantic 2-deck Scrubber Screen. Weighing in at 30.8 tons, this giant screen has an overall deck area of 64.8m² and a design feed tonnage of 1292t/h. Selected by GR Engineering Services as a preferred supplier this is one of 10 screens that DVE have specifically built for the Wolf Minerals project, of which nine were on show, with the 'giant' screen running in a test rig inside the works.

DVE was established in 1947 and has expanded and evolved over the years gathering a wealth of experience in all aspects of engineering; in particular the processing and handling of bulk materials and the building of specialist screening, centrifuging and malting's' equipment, making the company one of the leading UK suppliers in their chosen fields.

Roger Allen - MD (DVE), commented, "The idea behind the open day was to showcase this range of screens to all users of screening technology in the UK today. Most of the major companies have been invited and are attending and this event will illustrate our prowess and manufacturing capabilities of a huge range of screening machines built here in Doncaster, in the UK.



The open day was well attended and included a visit from Rosie Winterton, local MP for Doncaster Central. After a short tour accompanied by Roger Allen, Rosie, commented, "I am extremely proud that DVE have won this prestigious contract, which has put Doncaster on the map in terms of having built the largest screen in the UK, which is also further underlined by the importance of this very high profile project near Plymouth."

Rosie continued, "I always like to work with local companies and Roger and I have been discussing local recruitment and certification issues and I will work closely with the company to see if I can be of assistance but quite frankly this is a pretty good company that Roger has outlined very clearly, by diversification over the years hence its current success. Obviously this is because the company has not sat back with the demise of traditional industry in the local area; it has looked forward and developed key areas very successfully. Although I shall talk with the Department of Business and the UKTI and look at any difficult overseas areas, by and large it is quite clear that the DVE's current success is down to the innovation and the high quality that DVE has a reputation for and me being here today to help promote it is something I'm very happy to do."



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It's Official - Riverside Machinery Are Your Sole England and Wales Distributor For Portafill Equipment

Riverside Machinery are pleased to announce that we are now the sole England and Wales distributors for Portafill International Ltd

Portafill are a Northern Ireland based company specialising in the manufacture of compact screening and crushing equipment. The range includes wheeled and tracked trommels, tracked sizing and scalping screens and tracked crushers.

John O'Neill of Riverside Machinery says "For those of you not familiar with the name, Portafill is headed by Mr Malachy Rafferty. Mr Rafferty's name is synonymous with a high level of engineering and intellectual design in the crushing and screening world and is the man responsible for the Masterskreen brand many years ago, which are still to be found working in many quarrying and recycling operations"

"In the early 2000's Mr Rafferty felt there was a gap in the market for compact screening and crushing equipment that could be easily shipped in a standard shipping container. The first product, the Portafill 2000 was designed and was instantly a huge hit with the overseas and home markets. Since then the brand has grown to include the 5000 tracked scalping screen, the 3000 sizing screen, the 4000 trommel screen and the tracked 7000 impact crusher. All of which can be shipped worldwide in a container. In addition to this unique selling feature, the build quality is second to none and is the reason why the 5000 scalping screen is Germany's No.1 Selling Compact Screen"

With the export market for Portafill company now firmly cemented, attention has turned to the UK market.

John O'Neill continues "after long consultation with our customers and market research, we decided to embark on securing a compact screening and crushing brand to add to our already successful Neuenhauser star screen and trommel screen dealership"



Riverside Machinery were officially unveiled as the Portafill distributor at the Hillhead exhibition and have taken several Portafill machines into their fleet for demonstration, hire and sale.

If you would like to find out how either the Portafill or Neuenhauser range of equipment could benefit your business please do not hesitate to contact the sales team on either 07766 405688 and ask for John, or call 075000 48985 and ask for Ciaran, or visit www.riverside-machinery.com

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Weir Minerals launches new GEMEX® range

Weir Minerals has launched two new configurations for its GEMEX® belt-tensioning system, integrating the system with two more of its most popular pump ranges.

The GEMEX® tensioner has been incorporated into updated versions of the company's latest and most advanced heavy-duty slurry pump, the WARMAN® WBH® centrifugal slurry pump and the medium-duty WARMAN® MU pump.

These are the first combined pump-and-tensioner packages to be added by Weir Minerals since the integrated package was designed for the company's best-selling pump, the WARMAN® AH® pump, in 2013. The GEMEX® system was launched in the European market in 2012 after Weir Minerals acquired Sweden-based Gema Industri.

By integrating a hydraulically-adjustable and mechanically-lockable motor platform onto the pumps' bearing assemblies, the system removes the need to realign the motor each time the drive belt needs to be replaced, reducing the downtime required from hours to minutes.

Tony G. Locke, managing director of Weir Minerals Europe, said: "All too often we see the performance of our pumps compromised by poorly-adjusted belt-drive systems. When properly tensioned and aligned, a belt system is one of the best ways to drive a pump. However, the need to replace the belt periodically is a major drawback, requiring downtime and increasing the possibility of incorrect tensioning or alignment, leading to poor performance.

"The GEMEX belt-tensioning system solves this problem associated with belt-driven systems by making belt replacement quick and easy and ensuring perfect tensioning and alignment every time. This means pumps run more efficiently, last longer and require less maintenance.

"While the system can be used with almost any belt-drive pump, the integrated packages we now offer for our most popular pumps provide a solution that works straight out of the box with no additional set-up work required.

"This is an important part of our ongoing commitment to ensuring our products perform at optimum levels, whatever the industry, and our customers can also rely on us to provide aftermarket support and expert advice for their equipment."

The GEMEX® belt tensioner has historically been used in the mining and paper industries. However, more recently it has become popular in other sectors which use belt transmissions, including pharmaceuticals, hospitals and public buildings.



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New UK Director for MAC UK - Adrian Wood



The HUB team recently went to visit the METSO UK Operation in Rugby to talk to the new Director of MAC UK, Ireland and European Distribution - Adrian Wood. David Roberts fired some questions at the man now at the helm of MAC UK.

DR: Could you outline your career with the Metso organisation to date?

AW: My career started in 1999 as a UK sales manager and then over time I was promoted to product manager for mobile screens. Then five years ago I was offered the chance to move to Tampere in Finland to organise the move of the mobile screen manufacture from NI to Finland. Following that I became responsible for sales support for our crushing and screening equipment organisation globally. Then in January 2014 I was offered the chance to return home to run the UK organisation and distribution for Europe.

DR: Does the UK operation involve external partners?

AW: Yes in the UK we have an external partner through who we distribute our track mounted equipment rather than having our own sales and service organisation. This external partner facilitates the sales and service of our equipment.

DR: How do you see the company adapting and growing?

AW: The goals with the UK organisation - it's been the same for most companies, the last three or four years in the UK have been very difficult and our organisation is no exception to that. So we have restructured the organisation basically downsized and now as the market begins to pick up the target is to develop the organisation, our level of service, to further

expand our level of coverage to facilitate and meet the market needs, so as the markets develop the organisation will develop with it.

DR: Have you seen an increase in market activity?

AW: Yes although very slight, I've only been back in the UK for three months so I'm still catching up, but there is a definite improvement and a far more positive feeling than when I left five years ago and when I have visited subsequently. So yes there is movement and listening to economists and the discussion on growth they tell us we are back in the days of 2007. But in general the growth in the construction business is still quite small, if you look at the charts and how the business is developing it's very tentative at the moment but there is definitely a feeling of positivity and that things are improving and will continue to improve.

DR: What is your view on the current mergers and the need to consolidate on capital equipment?

AW: Well I've been back three months and I've spoken to the guy who is responsible for the mobile equipment side of the business and his thoughts are that the contractors are fulfilling the extra need which is pretty much the same as it was in 2006/7. I don't think that there is a shift as this occurred over 6-7 years ago and that has continued but there is still investment in fixed equipment. The replacement business though is an area where I hope there will be growth and development as there has been very little development in the last five years.

DR: We've noticed in the in-house Metso magazine a huge focus on H&S, can you expand on that?

AW: Having been abroad and worked for the business for some time I've witnessed Metso's focus on H&S over the last ten years increase dramatically, and it's great! Ten years ago it was what you could get away with and I think most manufacturers were the same. Whereas now we actually develop new products that basically start with the focus on H&S and no longer about meeting the regulation; it's now about making things significantly safer to work on. For example we are just about to launch a new Impactor and part of the process was to put platforms and other safety devices in place so when an engineer needed to work on it, it was



completely safe. Years ago it was more what do we need to do to avoid any problems with the local H&S officer. Now H&S and the environment are a huge focus for the company.

For instance the new generation Lokotrack machines use between 30-40% less fuel than their predecessors so again there is a huge focus within the company on the environment as well. We have a large H&S organisation which is responsible for developing our LTIF performance and all the other relevant criteria that we have. At the moment we are at zero LTIF in the UK and have not had an accident for a long time so our policies are working efficiently.

DR: Tell us about the current product range and outline how the new LT220D is being received?

AW: We launched the LT220D in Vegas back in March and in my old job I gave the press conference at the show for it. It has been exhibited at Hillhead with our distributor Garriock Bros and it's a revolutionary product. It's the first cone crusher and screen that are actually on the same chassis which is easily transportable. The real key for the product is 'easily transportable' because we have had for many years like some of our competitors a cone and a screen on the same plant but it was always difficult to transport, this is easy to transport! It's a very radical development you put the two products together you have massively lower fuel consumption than the two split, so you have big savings - it's a game changer!

DR: Are there any other machine developments?

AW: Yes it has a big brother the LT330D which is now being built and we also have had lots of innovation in terms of our unit equipment in the last 24 months. We have a new Impactor NP15 and the great thing about this is that although Metso over the years have compromised our Impact Crushers, (we were a great player 10-15 years ago) and because the focus has been heavily on fitting an Impactor onto mobile equipment it became compromised. So instead of the focus on it being a Secondary Impactor it becomes a compromise, it can be a Primary, it can be a Tertiary. So the NP15 is really a step away from that which is purely focussed on a stationary Impactor so it's a pure Secondary/Tertiary Impactor; a focus to get involved in the stationary Impactor market again. But the other big thing with it is a focus on safety, such as 'bolt-on' platforms making it very simple to work on. So it's a big step forward with regard to our stationary Impactor crusher range.

We also have a new C Jaw, mid to large range where the focus is very much on the volume of the chamber. There is a lot of talk which is better, width against depth. But really the focus has to be on what the actual capacity of the chamber is because its common sense if you think about it. The bigger your chamber is the more rock you have, the more throughput you have, so long as you crush it. The other thing is your nip angle, so the lower your nip angle the better your crushability because basically you are taking lots of little hits at it, rather

than taking a big bite of a big apple, you nibble at it. But the problem is the lower your nip angle the higher your crusher has to be because obviously you need the length of chamber to get to the minimum setting you need. Therefore it has a smaller nip angle than we have ever had before, ensuring better crushing. The new C Jaw has a bigger chamber and a bigger stroke, providing more force and power. This has been a pretty big change for our mid to large range which is a big volume business for us. With focus on hard rock this range is the process of being completely revamped and changed over the last 3 years, with one more model to follow next year which will complete the new range.

We've also been doing a lot of work on our Cone Crushers. We have the HP Cone and I think we are the only company in the world that has both types of Cone Crushers. So you have the head supported very similar to the H series that Sandvik use and we also have the bottom supported which is similar to Pegson and Terex etc. We have been developing our HPX range which has bigger throw, bigger force, bigger reduction ratio and we have also done the same as our GP Cones and now have new products in the GP220, GP330 which again have greater throw and capacity. In fact in going almost back full circle the LT220D is actually our first track mounted cone product that you have the alternative of choice between the two types of cone. Normally we offer a machine and we stick with that specification and anything else is a 'special build' whereas with the LT220D and the LT330D you have the alternative as standard which is a big step forward for us in terms of a company. We offer these alternatives so we have the HP200 and the GP220 as either or. It's something we are very excited about and we are expecting big things from it. The first LT220 has stayed in the USA after Conexpo and has been on trials and has from what I've seen on the report been working very well. The first LT330 is now delivered and working in Finland; actually the whole process started with the Finnish customer saying I would like this product and consequently we developed the range accordingly on the realisation of how good it would be!

DR: Finally, can you tell us what projects Metso are currently involved in?

AW: Well we are working on a lot of exciting projects which should come to fruition in the next 12 months which when completed will be very good for us.

We took a long hard look at how as the market has become more demanding and Metso has responded and over time has developed from being an equipment supplier into becoming a services solution provider, which has been a huge development and is now a firm company philosophy of Metso.



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RWM unveils what's in store for 2014

16-18 September 2014, NEC Birmingham, UK
www.rwmexhibition.com

This September, RWM in partnership with CIWM is poised to deliver a host of exciting opportunities designed to push progress in the resource industry and help professionals forge new connections. The NEC in Birmingham plays host to Europe's leading resource efficiency and waste management event which is free to attend and runs from 16 to 18 September (register at www.rwmexhibition.com).

Free RWM CPD-accredited conference programme

The conference programme, featuring more than 70 seminars, has been developed through intensive peer reviewed research with industry bodies such as CIWM. Key issues to be addressed in the conference include packaging and PRNs, WEEE, the latest legislation, the circular economy, financing infrastructure and waste prevention.

The new Circular Economy Connect Theatre will address key issues and barriers to creating a more circular economy and investigate those who can best benefit from the closed-loop model. In addition to more than 40 speakers across all of the supply chain, the programme will feature **Sir Stuart Rose**, former Executive Chairman of Marks & Spencer and one of the world's brightest environmentalists, **Professor Walter Stahl**.

In addition to the theatre programme, Circular Economy Connect (sponsored by SITA) will provide dedicated space where visitors can network, share ideas and find new resource management solutions to help them move towards a more circular economy.

Local Authority waste needs, including best-practice case studies, TEEP guidelines and targeting recycling engagement, will be addressed in the **Local Authority Theatre**. Featuring more than 15 seminars over the three days, leading industry speakers in the Local Authority Theatre include **David Palmer-Jones**, Chairman at ESA and **Dr Liz Goodwin**, Chief Executive Officer at WRAP, **Andy Rees**, Head of Waste Strategy, Welsh Government and **Ray Georgeson**, CEO at Resource Association.

The Energy from Waste Theatre brings together Europe's experts who will present the latest energy generation innovations, from waste companies to technology owners and developers. Speakers include **Adam Read**, Practice Director at Ricardo-AEA, **Stuart**



Pohler, Recovered Paper Sector Manager at the Confederation of Paper Industries, and **Chindarat Taylor**, Director at Resource Efficiency Pathway.

Leading waste companies exhibiting

Many key brands are already signed up to RWM in partnership with CIWM 2014, which is supported by the Environmental Services Association (ESA). Confirmed exhibitors include world leading plant and vehicle suppliers **JCB**, **Isuzu Trucks** and **Mercedes Benz**. Over 750 exhibitors are expected at the event.

Many of the top bulk handling specialists will exhibit, including **Untha**, the country's leading provider of waste shredders, plus world class handling equipment providers **Terberg Matec**, whose product roster includes bin lifts, refuse collection vehicles and underground waste collection systems. **Bulk Handling Systems (BHS)** will also be in attendance to showcase their unparalleled sorting and handling systems with recovery rates in excess of 99%.

Those interested in magnetic separation should visit world authority **Eriez'** stand. And don't miss **Bunting Magnetics Europe** and **Magnapower Equipment** who provide magnetic separation equipment, eddy current separators and ancillary equipment.

A host of key names in collection and cleansing will also showcase their latest innovations, including **Faun Zoeller**, **Geesink Norba**, **Dennis Eagle** and **Johnston Sweepers**.

Looking at recycling specifically, **Countrystyle Recycling** are exhibiting and are capable of handling and processing almost all forms of waste. **Smurfit Kappa**, **Novelis** and **Biffa Polymers** return this year.

RWM in partnership with CIWM is free to attend and takes place from 16 to 18 September 2014 in the larger halls of 4 to 5 at the NEC, Birmingham. The event is co-located with The Water Event, The Energy Event and The Renewables Event, all taking place on 16 and 17 September 2014 in hall 3 and 3a. Registration (sponsored by Novelis) is available at www.rwmexhibition.com. To enquire about exhibiting, please call 020 3033 2159 or email info@rwmexhibition.com.



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Hewitt Robins supply feeders for the Hemerdon project

Leading manufacturer of quarry processing equipment, Measham based Hewitt Robins International (HRI) has recently supplied a range of feeders for the £130 million - Wolf Minerals - Hemerdon project in Devon. GR Engineering Services (GRES) based in Perth, Western Australia, - are building the process plant as part of an EPC contract.

Located 6 miles north of Plymouth the Wolf Minerals site will, when fully operational, be one of the world's most important tungsten mines producing 5,000 tonnes/yr. of tungsten concentrate at 65% tungsten. This output represents about 3.5% of global forecast demand and will create approximately 200 jobs and consequently plough millions of pounds into the Devon and UK economies every year.

With planning permissions now in place to mine tungsten and tin at Hemerdon the processing plant is under construction and the demolition of the old infrastructure from the 1940's commenced in 2013.

Following award of the contract to supply six feeders, HRI manufactured and detailed each feeder to meet the user requirements provided by the process flow diagram and equipment specification.

Charlie Northfield - Wolf Minerals - Process Plant Manager, commented, "We are pleased that HRI have been awarded the feeder contract. HRI conformed to the technical requirements GRES needed to meet. I personally visited the Hewitt Robins plant during final assembly and was impressed by the manufacturing quality and by the depth of technical expertise."

HRI have now delivered to site a total of six feeders with varying duties all designed to process granite material.

Four (4) hanging feeders - 1.0m wide x 3.8m long, (one with hinged discharge end) rated at 370tph to 440tph with a max lump size of 100mm and a bulk density of 1.55t/m³.

One (1) hanging feeder - 0.9m wide x 3.0m long, rated at 71tph with a max lump size of 100mm and a bulk density of 1.8t/m³.



One (1) feeder, 0.9m wide x 2.0m long, rated at 75tph with a max lump size of 100mm and a bulk density of 1.8t/m³.

All are Umbex feeders developed by HRI as a cost effective solution for specific applications. HRI feeders supplied for the Hemerdon project set the standard for high productivity, exceptional reliability, ease of maintenance and are driven by twin low noise vibrator motors.

Features:

- Bespoke design for the application
- Extra heavy duty
- Grizzlies available in horizontal, sloped or stepped arrangements
- Bolted construction allowing single component replacement
- Wear resistant design
- Ease of servicing - minimum downtime
- Bolted AR wear liners
- Eccentric shafts avoid the need for cumbersome counterweights



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The revolutionary Lokotrack® LT220D™ is an efficient and easy-to-transport unit that combines a screen with a crusher. This combination helps you eliminate the need to move multiple machines and saves on your fuel costs.

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Ireland
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minerals.info.uk@metso.com



Hillhead 2014 - A HUGE Success!

The HUB team recently attended Hillhead 2014, near Buxton in Derbyshire, and visited clients, both existing and new. There was an amazing 'positive buzz' all around the show and feedback from exhibitors and visitors alike was extremely good. Many of the HUB's clients who were exhibiting were selling equipment and machines straight off their stands and also taking orders for factory production throughout the three days, this is great news for the show and for the industry. Exhibitors who secured business on their stands included Terex Finlay, JCB, SANDVIK, Tesab, Worsley Plant, Liebherr, Powerscreen, Hyundai, Sprider, SMICO Symons, Bruce, Parker, Volvo, BLUE, Finlay Group, Anaconda, Maximus, Asphalt Burner Services and EDGE Innovate. Well done to all! The actual visitor numbers were very good, around 17,500 in total with very high quality foot-fall.



Bruce Engineering - Washpod



TEREX FINLAY



Plant Supply Ltd with SMICO Symons and Sprider



Joint winner TEREX Washing Systems



Joint winner Anaconda





Richard Lucas of Aggregate Industries and Erick Heald, CEO of Smico Symons



Paul Thorne of SCG Supplies, Colin Morrow, Director of Barr Quarries, and Reuben Bruce of Bruce Washing



David Roberts of the HUB, Caroline Slane, Marketing Manager for Bruce, and Paul Bruce, Director of Bruce Engineering



Donna Osborne and the SN Engineering Team



Alex Moss, CEO of DUO Africa



Patrick and Adrian Donnelly of EDGE Innovate



Leon Connelly and Jade Edensor of Tesab



Charlie Threapleton, Operations Director for Parker Plant and CMI Roadbuilding



Stephen Grieve, Managing Director, and the SCG Supplies team



The Don Valley Engineering team



The MAXIMUS Ladies



Martin Conway of Dernaseer, Pat O'Neill of Hilltop Plant, and Declan McKenna, MD of Dernaseer



Scott Freeman, Business Director for CASE Construction Equipment





Chris Van Beurden, Vice President Wear Services, at SSAB with Reuben Bruce



Teresa Lewis and Jodie McCann of Asphalt Burner Services



The Agg-Pro Team



Brian Pauley, Marketing Manager of TEREX Finlay with Kate Gilmore of Invest NI



Sean Reilly of Plant Supply with Erick Heald of Smico Symons



The Precia Molen stand



The Kingfisher Industrial team



Wilderness Lighting



Gary Bell, Group Chief Executive of Bell Equipment with Nick Learoyd, Managing Director of Bell Equipment UK



The Plant Supply Team at Hillhead



The CMS Cepcor Team



Doosan at Hillhead



Christopher Everett and Laura Haigh of Ritchie Bros. Auctioneers

HILLHEAD REVIEW



Con Gallagher, Sales Director of Anaconda pulling the perfect Guinness!



Tommy Sjogren, CEO of Sprider



Kevin Houlden of Calor, Richard Coles and Leon Fletcher of Asphalt Burner Services



Demonstration area



David Munns – Sales & Marketing Director for Volvo UK



Ashley Ward, Managing Director of Warwick Ward



The Tema Isenmann and the Tema Machinery team



JCB 457 Tier 4 Final Wheeled Loading Shovel with Marketing Graduate Hattie Adams from the launch team



Ing. Ivan Zanzani, Production Manager for Baioni, and Graham Brain, UK Dealer, with Jack Mc Mullin



The Master Magnets duo



The JCB Stand



JS300 with Product Specialist James McMillan



JCB 5CX WasteMaster with Mid Range Sales Manager Phil Jones



Stefaan Smet of Smet Rental with Luc van Laecke of Marcom, Terex Finlay's Belgian Dealer



The Kingfisher Industrial and Don Valley Engineering Hillhead Team



Martin Conway from Quarryking (TRIO Dealer for N.Ireland) and Declan Leonard from TRIO USA



The SEW Eurodrive Team



The QMS Team at Hillhead



Success at Hillhead for Anaconda International!



Elaine Donaghy, Marketing Manager for Terex Washing Systems



SIEMENS Team at Hillhead



The specially modified Caterpillar D6N track type used on the Coldest Journey



The Garriock Bros Team, Metso Dealers for the UK



Steve Slater of Eagle Iron Works / McLanahan



Michelle Murphy, leaving for a new role at TEREX USA with Dearbhla Mulholland, Marketing Manager of Powerscreen



M2500

The world's most versatile mobile washing unit is successfully processing:

- Sand & Gravel
- Industrial Sands
- Crushed Rock
- Crusher Dust
- Scalpings
- Mineral Ores
- Construction & Demolition Waste Material

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Hillhead 2014 record breaking for Sandvik Construction

Sandvik Construction broke all records at Hillhead with nearly 4,000 visitors coming to the stand from all over the world in order to see Sandvik's offering at first hand. Furthermore a significant number of equipment enquiries were received, many deals completed, and the customers welcomed in the traditional Sandvik manner.

With the economic recovery gathering momentum, particularly in the UK, and confidence returning to the mineral products industry, the organisers of Hillhead 2014 reported record attendance of nearly 20,000 visitors at this year's show. This saw Hillhead proving to be the perfect place for Sandvik to show, and vitally to demonstrate, examples from its total solutions product range at what has become the world's leading quarry, recycling and construction exhibition.

New and innovative equipment shown included:

- Stationary crushing equipment - NEW CH540
- Mobile crushers and screens - NEW Hanging Screen on range of Cone Crushers
- Breakers - NEW 5011
- Drill rigs - DI550 drill rig
- Tools & Consumables - NEW Optiagg

One of the things which makes the Hillhead exhibition almost unique amongst trade shows is the fact that visitors are not only able to just see static displays of equipment, but also watch live machinery demonstrations. This year was no different, and Sandvik took full advantage of the possibilities presented by demonstrating the following equipment:

On the demonstration area:

- QJ341 feeding QH331 Cone with NEW hanging screen - Global Launch
- QJ341 feeding QS331 - UK Show Launch
- QA331 screener

Sandvik Construction would like to express a big "thank-you" to the organizers of Hillhead 2012, the members of the press for showing so much interest in Sandvik, but most of all to the customers who came to the Sandvik stand. Without them Hillhead 2014 would not have been the success it was, and all at Sandvik Construction look forward to seeing everyone in 2016.



www.hub-4.com/directory/296





Hillhead a great success for Edge Innovate.

Now that the buzz of Hillhead 2014 has been and gone, it is time to reflect on the great success of the show! After an exciting year in which EDGE Innovate have introduced an array of additions to their extensive product portfolio, Hillhead 2014 proved to be the perfect platform to reveal the new RTU220 Radial Truck Unloader to the market.



The newest addition to the EDGE materials handling range comes in the form of the RTU220 which can be utilised in various applications and is as comfortable on the port as it is in the harsh environment of a quarry. The RTU220 provides operators with a greater efficient loading method and allows operators to continuously load directly from trucks into train wagons or barges.

In addition to the new RTU220, EDGE exhibited an impressive range of machines including the upgraded TRM622 Trommel and LTS75 Low-Level Feeder Tracked Stacker, all of which attracted huge amounts of interest from visitors to the EDGE stand C20.

The new up-graded TRM622 is a multi-purpose screening trommel that provides superior flexibility to suit various applications. Greater versatility is now offered via notable upgrades that include a build in working angle of 5°, lower feed in height for ease of feeding via smaller wheeled loaders, harder wearing brushes for improved mesh cleaning and a larger feed opening for material transferring to the trommel drum. A larger powerunit canopy provides additional space to house larger fuel and hydraulic tanks whilst providing greater access for servicing. Designed for maximum productivity, the TRM622 incorporates a heavy duty construction design and zero spillage.

The EDGE LTS75 introduces operators to a solution for the stockpiling and transferring of hard rock and ore for the mining and quarrying industry. The LTS is a long life, low maintenance Apron Feeder Stockpiler; uniquely designed to allow for low level loading of material from the largest wheel loaders. The huge hopper capacity and heavy duty apron pads mean the LTS can easily cope with the extreme demands of any quarrying or mining application. With a high rapid set-up time and impressive stockpiling capacities, the LTS is a versatile conveyor that can be used in a wide range of applications.

The three day event held at Hillhead Quarry, Buxton proved to be the most successful Hillhead show the company has attended to date, with visitors and orders exceeding all expectations. EDGE Managing Director Darragh Cullen would like to express a huge thank you to all who visited the stand during the show.



www.hub-4.com/directory/11401

Mentor launch new manual handling training course

Mentor Training have launched a new manual handling course suitable for all industries.

The course is designed specifically to reduce the risk of injury, lost days and disruption to businesses by emphasising the benefits of using the correct handling techniques and targeting unsafe behaviour. With fresh interactive content, hard-hitting video footage and practical demonstrations relevant to each industry, the course engages delegates and provides them with the skills and knowledge to handle safely, and maintain a safe working environment in the long-term.



Tailored solutions

Mentor's manual handling course can be tailored towards particular applications and loads specific to the delegates' own activities and working environment. Bespoke courses can also be developed to ensure training is truly company specific.

Call 01246 555222 or visit www.mentortraining.co.uk for more information.

 www.hub-4.com/directory/6755



RP Group launched their exclusive range of rubber donut springs at Hillhead

These fabric and rubber springs will provide long life, greater productivity, fast replacement time and virtually maintenance free operation. They can be used as a replacement for steel coil springs or an additional anti-vibration device. Unlike coil springs they will not deteriorate in damp or corrosive environments. Low natural frequencies provide excellent isolation of forced frequencies. Using these type of products will also provide major noise reduction of the equipment being used.

RP Group are also manufacturers and distributor of a wide range of industrial and hydraulic products to the screening, crushing and recycling market. Our product range includes:

Industrial

- Rubber Donut Springs
- Impact Bars
- PU Belt scrapers
- Engineering plastics
- Capping and skirting rubber
- Latches and hinges

Hydraulic

- Orbital motors
- Hose Assemblies
- Adaptors and Fittings
- Hydraulic Pipe clamps
- Gear pumps and motors
- Flanges and test points

RP Group are suppliers to market leaders such as Caterpillar, Terex, Sandvik, Hiab, McCloskey International and CDE Global, and have a proven track record in supplying quality approved LCC products on a supply chain management basis.

<http://www.rpgrouponline.com/>

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AS SEEN AT
HILLHEAD

Over the last 35 years, we've seen our fair share of **failing steel conveyor idlers** and other pretenders to the throne ~ and now is the time for change.

King Roller™ is up to **50% lighter** than a traditional steel idler, so it's easier to handle and **can reduce conveyor power consumption by an average of 14%**, keeping down CO₂ emissions and your operating cost per tonne.

What's more, the King Roller™ triple labyrinth sealed bearings and anti-corrosive, polymer construction are **proven to significantly reduce workplace noise, while increasing service life.**

In today's world of ever-rising energy costs and growing environmental legislation, **isn't it time you switched allegiance?**

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Miller breaks new ground

Miller UK Ltd took Hillhead by storm this June with the launch of their new Hydraulic Breaker range. This ground breaking addition to the Miller portfolio see's the North East based company now able to offer customers the Complete Solution to their attachment needs.

The Miller stand was a hive of activity as existing and potential customers flocked to see this latest product launch. With live demonstrations taking place throughout the show on the quarry face, Miller took full advantage of the opportunity at hand to follow up months of field tests and research, with a highly successful launch.

Miller UK Sales and Marketing Director, Brendan Quill discusses that, "We were delighted with the reception that our new Hydraulic Breakers received at Hillhead. We

invested a lot of time in ensuring that the product was right, having worked closely with some key customers during the trial stage. The initial result is a host of enquiries and our first volume orders directly from the Show.

Displaying the Miller Complete Solution, including a Ripper, Riddle and Scoop buckets, and the safest combination on the market, PowerLatch and Miller Mate quick coupler system, alongside the new range of Hydraulic Breakers, the company received numerous enquiries, which are currently being followed up by the sales team. "We are always striving to provide customers with the very best, innovative products, and with the addition of a full range of Hydraulic Breakers to our portfolio, we believe we can offer the market a truly Complete Solution" explains Mike Askew, Miller UK Managing Director.

With all the excitement around the Breaker launch, Miller was delighted to come away from Hillhead 2014 having impressed Flannery Plant Hire so much during the live demonstrations, that the London-based company decided to purchase the demo unit that was being used on their machine. This marked another successful show for the attachment specialists, and with interest in the product range continuing to grow, the Miller Hydraulic Breaker looks set to break new ground around the world.



www.hub-4.com/directory/570

Smico Symons enjoy success at Hillhead

At the recent Hillhead show David Roberts of the HUB went to meet Erick Heald CEO of Smico Symons to chat about the history and where the company was today.

Sean Reilly of Plant Supply with Erick Heald of Smico Symons



DR: Can you tell our readers a little about the history and when you got involved?

EH: In 2007 I purchased Smico from a gentleman called Randle Stoner and then in 2009 we purchased Symons Screens and moved it from Tempe, Arizona to our base in Oklahoma City. Since I bought it we have increased the workforce from approximately 24 employees to 125 over the last eight years.

DR: What is the history behind Symons?

EH: Symons dates back to the 1800's, we actually have the hand written autobiography of the Symons Brothers, which contains information on when they sold the crusher to Metso; we have the whole story and the detail of when they sold it to them in 1938. They went in there and asked for \$2 million which is the equivalent of \$48 million today. That was a lot of money back then and they never thought that Nordberg would complete the deal, but they did and wrote them a cheque. So at that point Metso took that side of the company and in 2009 we bought the screening side.

The Symons Brothers were originally in North Hollywood, California and they were purchased by a company called XMS out in Tempe, Arizona who eventually filed for bankruptcy, consequently we bought them out of bankruptcy and brought it back to the market.

DR: What is your background?

EH: I used to be the Director of Operations for a logistics company, we used to move shipments around the world and I just decided one day I didn't want to do it because I didn't want to be in the service industry, I wanted to be involved in manufacture. I established a business in Oklahoma City which was very successful and then started looking for manufacturers to buy and in 2007 I found Smico and since then company has gone from success to success.



Although 2009-2010 were pretty tough after the world economy crashed, especially with capital equipment which is the first thing everyone cuts from their budget. In the States now we are seeing an upturn but we feel our real growth has come from all the conglomerates coming in and buying all our competitors and so once they came in they have no real feel for it, so with us it's a big opportunity to take that business. Since we are still privately owned we don't look at the dollar as much as a big conglomerate.



Richard Lucas of Aggregate Industries and Erick Heald, CEO of Smico Symons

DR: Can you tell us about what you have brought to Hillhead?

EH: The reason we brought Symons Screens here is Aggregate Industries (AI) bought a couple of them from us and they are looking to buy a couple more. Originally what used to happen in Europe was Symons had an agreement with Stothert and Pitt in the UK and they used to build and sell them and a licensing agreement went back to Symons in the States and that's how it all began. Since Stothert and Pitt finished no one has been here to service those machines and so with us finding AI and them finding us a few years ago it's been great for us to come back over here and find equipment we didn't know existed.

DR: What projects in the UK are you currently involved in?

EH: AI has been pretty good to us through the Symons brand; through the Smico brand we have already done business with some bulk handling customers'. We do have a current project with AI at Torr Works in Somerset where they are looking to replace seven - F type Symons screens, which were originally installed in the early 1970s. The F screens have each averaged over 1 million tons per year since installation. For the last 20 years they have had no support with parts and they didn't know anyone existed until one of their directors found us on the internet which resulted in us looking for a distributorship in the UK so we could at least have someone on the ground all the time.

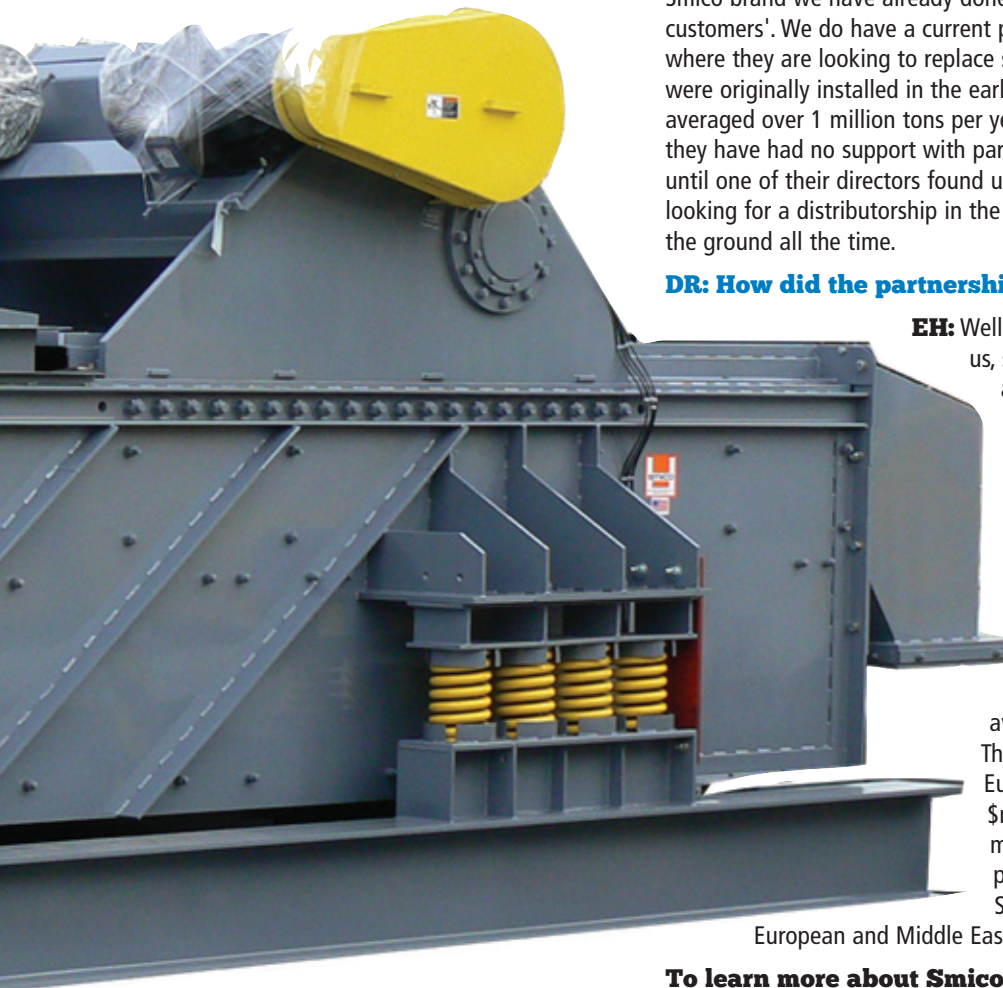
DR: How did the partnership with Plant Supply start?

EH: Well Plant supply found out and approached us, so after a meeting in the States we made a deal and for the last two years it's been pretty good. We see potential growth in Europe and particularly in the UK with us finding all these old machines and one of our tasks is to ensure that parts and service are now available through PS, instead of them going to their local machine shop and having them made.

That's what AI were having to do weld everything up and send it out for machining and now parts are readily available that will be good for the industry. There are around 100-150 machines in Europe which represents a couple of \$million in parts alone. So all those machines can now be serviced with spare parts through our UK distributor Plant Supply Ltd. Plant Supply is also the sole

European and Middle East Distributor for Smico Symons products.

To learn more about Smico Symons products please call Sean Reilly, Managing Director of Plant Supply on 01685 810148 or email sean@plantsupplyltd.co.uk





BUILDING QUALITY & DELIVERING POWER

The Portafill 4000T (pictured above) features the latest mobile trommel screen technology for screening soil, compost, wood, landfill waste, light rubble and other material. The machine is very easy to transport and uses around 5 litres of fuel per hour, making it very economical to run. Screen drum changes can be performed in minutes as the drums just lift out, leaving you with little downtime between jobs.



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CRUSHING | SCREENING | TROMMELS | WASH SYSTEMS | CONVEYORS



RUD Sideflex Sidewall Protection at Hillhead 2014

Hillhead 2014 saw RUD Chains Ltd displaying its advanced tyre-protection chains and latest innovative Sideflex solution, which is an inventive and robust device that offers a practical solution to the ever-present challenge of sidewall damage to dumptruck tyres. Also on show from the company was a range of complete conveyor systems for bucket elevators, scraper conveyors, drag chain conveyors, screw conveyors and apron feeders.

RUD Chains latest innovation Sideflex was extremely popular at Hillhead, providing a cost-effective solution to the very well-known problem of sidewall damage to expensive and valuable dumptruck tyres, for construction and mining equipment in particular earthmoving machines.

Anyone in the industry knows the continuous vulnerability truck tyres face to sidewall damage from haul road rock debris and accidental impact. Tyre protection chains would not be a compatible option; slowing the trucks down, raising fuel consumption, damage to tyres through blowout and delays in production time, a solution was needed.

Sideflex is an easy to fit, lightweight shield which simply deflects rock and debris from the tyre wall. The device fits firmly within the wheel hub and almost brushes the ground preventing rock and debris from penetrating the tyre wall. Protective arms radiate from a central retaining ring and form a shield covering the sidewall.

The Sideflex components are quick and easy to assemble; the mounting ring is simply secured to the rim assembly through a selection of specific adapter nuts and extension supports. Tensioning brackets are installed around the rim base to guarantee smooth and even rotation of the shield segments. The shield segments are then attached to the mounting ring to offer complete sidewall protection of your tyre.

RUD offer standard and specialised applications to meet the specific demands and requirements of your working environments. As a leading manufacturer and innovative product provider you can be confident in the decision that RUD will deliver top quality products, unrivalled support and technical advice to help meet even the most demanding circumstances.



www.hub-4.com/directory/743

Sprider Launch in the UK at Hillhead with Plant Supply Ltd

Tommy Sjogren, CEO of Sprider was on hand on the Plant Supply stand at Hillhead to demo the all new Sprider Asphalt laying System. This innovation in efficiency means that small areas can be asphalted much more efficiently, all you have to do is fold the Sprider arm down and start the screw to feed the asphalt out. Using a Sprider, you can spread the exact amount of asphalt just where it is needed, which means less manual work in shovelling, raking and clearing up.

The Sprider is fully insulated, which means that it retains the heat and makes the asphalt easier to rake out and compact. Sprider does not just increase your capacity, it also increases quality. The insulation means that the asphalt can be left in the Sprider arm when you move about the site, and during short breaks, without solidifying. In addition, the insulation makes it less likely that the asphalt could stick, which makes cleaning easy. If the insulation is not thick enough in certain conditions, the Sprider can be equipped with electric heating.



Sprider can be adapted to suit customer requirements, thanks to a choice of specifications for the transport arm. The range can be varied between 4.3 and 5 metres, which means that the Sprider arm can reach an area of 32 - 50 m sq. In the transport position, the Sprider can either be lifted vertically or fixed at an angle to the truck bed, making the vehicle shorter and giving better ground clearance.

Capacity is 30 tonnes per hour, making it ideal for use as an asphalt spreader beside the road. All Spriders movements and functions are precisely controlled by a specially designed radio control system. The same radio control can be used to move the vehicle, if it is equipped with ReCoDrive out-of-cab operation.

The Sprider is installed with a simple hook anchorage to most types of truck bed, both round bottomed and rectangular. This means that the Sprider can be moved from truck bed to truck bed in a few minutes, making it completely versatile.

To learn more about the Sprider and to book a demonstration please call Sean Reilly, Managing Director of Plant Supply on 01685 810148 or email sean@plantsupplyltd.co.uk

 www.hub-4.com/directory/16725

Mogensen experience their best ever Hillhead exhibition



Mogensen Raw Materials Handling reports that this year's appearance at the Hillhead exhibition was their best ever. The stand attracted a record number of visitors and significant enquiries. Interest in the company's wide range of vibratory Sizers, screens, feeders and conveyors was, as ever, very lively: The item of equipment, which attracted the greatest interest this year, however, was the vibratory spreader feeder.

This type of machine is designed to accept a feed from a narrow source such as a conveyor belt, and to spread it evenly and consistently across any wider, subsequent item of process equipment, which needs a controlled, properly spread feed presented at low velocity in order to operate at its optimal efficiency. Examples of such equipment are wide vibratory screens, conveyor-type fluid bed driers, magnetic drum separators and computerised optical and X-ray sorting machines. Mogensen's spreader feeders designed to serve single 1m, 1.5m,

2.0m and 3m machines are now available, as are feeders in the same range of output sizes designed to accept a single, narrow feed and to split it into two equal streams, each of which is efficiently and evenly spread.

Mogensen machines are available in mild or stainless steel execution, with or without dust enclosures and in heat and/or wear-resistant versions.

 www.hub-4.com/directory/583

New Bruce WashPod - A Big Hit At Hillhead

Bruce launched their NEW WashPod at the Hillhead show and to confirm just how quick it really is to set up the WashPod, the stopwatch was running

Start

- 00.00 Crane Arrives
- 00.20 Lower Pod into position
- 01.52 Upper Pod into Position
- 02.47 Conveyors, Chutes & Walkways in Working Position
- 03.09 Pipework & Electrical Connections are made
- 03.30 Crane Departs- WashPod Ready to Wash!

Stop

Results- The Quickest Set Up Time of Any Mobile Wash Plant!

Bruce were overwhelmed by the customer response to their new WashPod. Not only where the visitors to the stand impressed with the innovative idea and design but amazed at the footprint of the washplant. The WashPod not only has the quickest set up time but also has the smallest working footprint of any complete washplant. So for anyone who thought they didn't have room to wash - now they do. Customers were also reassured with Bruce having onsite water testing facilities where they complete all water balance onsite, offering customers peace of mind.

Producing 3-4 materials, Aggregate Scrubbing, Trash Removal, Aggregate Rinsing/Sizing & Sand Production all within the confinement of a 40ft container ensures it does not require any specialist transport reducing your costs significantly.



Bruce's range of silt management solutions your company could be self-sufficient in concrete aggregates in the very near future.

Bruce products are renowned for high quality and as always they have used industry bench mark components throughout to ensure downtime is kept to minimum. The WashPod is suitable for Sand & Gravel, Aggregate, Road Sweepings, C&D, Crushed Rock, Utilities Waste, Railway Ballast, Drainage Medium, Soil Tailings and Contaminated Soils. So if you need a

solution to handle any of these applications make sure to contact us on the number below

Bruce also had their BWB120 Waterbath, light-waste flotation system for construction and demolition waste complimenting the full turnkey package for your recycling requirements. The waterbath is a great introduction to washing within the recycling industry and could be your step to the overall washing process which Bruce have to offer.



www.hub-4.com/directory/7470



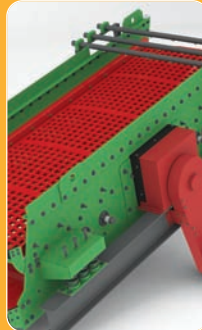
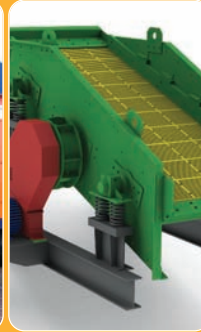


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Bespoke screens
& feeders to
accommodate
any application



CMB RC150 Rubble Crusher

Designed, Developed and Manufactured by CMB International



The CMB Rubble Crusher is the ultimate, self contained crusher that is easily towed by car to wherever you want to crush or recycle. Start it up and immediately produce crushed material.

It's simple, better for the environment, effective and will save you money.

• Recycling • Demolition • Infrastructure • Natural stone quarrying • Mines • Gravel pits • River beds



CMB International

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Tel: ++44 (0) 1530 563600

Baioni have best show ever at Hillhead

Baioni have exhibited at the Hillhead show since the early 90's, this year has proved to be the best exhibition ever with many enquiries coming in globally, with a lot of interest in the BaiDec centrifuge dehydration system for reclaiming solids and wash water from washing plants in the recycling and quarry industry; also great interest has been shown in the Baioni contaminated soil washing system, which is now being employed to reclaim contaminated land sites from hydrocarbons and heavy metals.

The highlight of the show was the handing over by Graham Brain for Baioni to Paul Davis for S.E. Davis & Son Ltd of the BaiDec 65L horizontal centrifuge. This is the third machine supplied to the English company who has many years specialist experience offering crushing, screening, earthmoving and washing equipment and services and is the only contract washing company to have the equipment suited to deal with minus 63 micron sludge water coming from washing plants.

The decision by Andy and Paul Davis was made on the basis of the good track record of the last two Baioni centrifuges delivered in recent years which have been demonstrating high outputs and low maintenance costs compared with other horizontal centrifuges available in the market. The close working relationship with Ivan Zanzani, Production Manager of Baioni and Paul Davis has resulted in developing a very special centrifuge capable of dealing with all types of densities of material experienced by the contracting side.

With the importance of the high cost of sludge disposal and the high cost of water supply, major savings can be made by using centrifuges to reclaim water which can be immediately reused in the washing plant, in a closed loop system, and the solids reclaimed in a dry enough state to be moved or disposed of. This is proving to be a success with recycling sites with limited space and with quarries and sand gravel pits who need to reclaim their lagoon areas that take up large areas of land that can otherwise be used.

 www.hub-4.com/directory/2889



Volvo raises £2500 for The Lighthouse Club at Hillhead 2014

Volvo Construction Equipment used Hillhead 2014 to showcase the imminent launch of the new Volvo Lego Technic model of an L350F / A25F and raised a grand total of £2500 for The Lighthouse Club raffling the only available model in GB.

One of the latest remote controlled models to come out of the Lego Technic stable takes the shape of a Volvo L350F loading shovel which, as if by magic, can be converted into a 4 x4 model of the A25F articulated hauler. Volvo CE used Hillhead to showcase the two working models montaged in the bucket of a Volvo L60G on the stand.

Besides the two working models on show the company was able to raffle a third complete Lego Technic model over the three day event with tickets being sold for £5 each and all proceeds going to The Lighthouse Club - the construction industry's registered charity. In all £1140 was taken in ticket sales which was then matched and topped up by Volvo CE to a grand total of £2500!

The draw for the model was presided over by Mr Jack Berridge, Director of Hillhead 2014 at 2.30pm on Thursday 26th with the winning ticket drawn belonging to Mr Steven Ford who works for Miller UK Ltd.



Volvo CE's MD Nick Allen (right) presents the only available Volvo Lego Technic model to Miller UK's MD Keith Miller who accepted it on behalf of the lucky winner - Steve Ford

Mr Jack Berridge (centre) pulls out the winning ticket with Volvo CE's MD Nick Allen and Volvo's Lego Technic demonstrators for the three days - Steve Spooner (far left), Chris Badcock and Craig Flaws



www.hub-4.com/directory/876

A successful launch of the RC150 Rubble Crusher at Hillhead for CMB International

The launch of the RC150 Rubble Crusher at the recent Hillhead exhibition by CMB International proved to be a perfect platform to reveal this new innovative machine with a huge amount of interest and lots of enquiries for the new machine on each day of the show.

As an established manufacturer and service provider in the Aggregates industry this is a completely new venture for CMB International which has been designed and developed utilising all their in-house expertise over the last two years at their Ravenstone HQ in Leicestershire.

The ULTIMATE machine.

The RC150 Rubble Crusher is the ultimate, self-contained mobile crusher; a simple but extremely effective machine. A robust build coupled with minimal maintenance the RC150 is easily towed by light vehicle to your destination of choice to crush or recycle material, with immediate start-up to produce crushed material.

The RC150 Rubble Crusher has numerous applications:

- Recycling
- Demolition
- Infrastructure
- Natural stone quarrying, mines, gravel pits and river beds.
- Gold mining

The advantages of the new RC150 Rubble Crusher enable the user to become time efficient and eliminate unwanted costs by crushing on site enabling re-use immediately.

Environmentally friendly the RC150 is a true 'green' machine with huge cost savings instantly available eliminating landfill costs, skip hire, transportation costs, external crushing and bought aggregates from quarries all removed from the processing equation.

With three models currently available including a 'stand-alone' crusher the new RC150 Rubble Crusher is simply a 'total solution' for low to moderate crushing projects; featuring a 650 x 350 single toggle jaw crusher (throughput capacity of 10-60tph) mounted on a heavy duty chassis, complete with fixed hopper and foldable conveyor. With no electrics required the RC150 is powered by a Hatz 3L41C air cooled silentpack diesel engine, 28kW@1800rpm with 22.5kW phase electrics.

A full technical specification and typical product analysis is available on request by calling +44 (0) 1530 563600 or email sales@cmb.uk.com

Available for on-site demonstrations the new machine will also be exhibited at the forthcoming RWM exhibition held at the NEC from September 16th-18th. Come along and see this amazing machine on stand 4F154 in the Machinery and Equipment zone.



www.hub-4.com/directory/185

Integrated Solutions from Siemens the Key to Success

- **Siemens integrated drive systems (IDS) are the industry's most comprehensive**
- **Siemens' totally integrated automation (TIA) portal redefines engineering with innovative controls and safeguards, saving time, cost and effort**
- **Energy efficient introductions improve productivity and reduce energy costs**

Increasing competitive pressures, rising raw material and energy prices, coupled with new, stricter environmental regulations are making the sustainable use of resources a priority issue in the mining, aggregates and cement industries.

As a partner to these industries, Siemens experts were at Hillhead to demonstrate and discuss the unrivalled Siemens range of end-to-end solutions to help customers meet these challenges, including several new products designed specifically for the sector. This was where people saw next generation technology in action, along with practical examples of how it can be applied.

Integrated drive systems (IDS)

Based on the world's most consistent and comprehensive product range in the field of drive systems, Siemens Integrated Drive Systems (IDS) are the only true one-stop solution for entire drive trains on the market. Seamless integration along the drive components, into the automation platform, supported with software and services from planning through to modernisation, they turn drives into success factors that help improve the productivity, efficiency and competitiveness of industrial production, reducing time to market and considerably reducing time to profit.

New for Hillhead 2014 was the Simogear range of geared motors, replacing the long-established Motox range and now directly compatible with standard competitor units. They were demonstrated on the stand in an IDS package on a Joy Global conveyor.

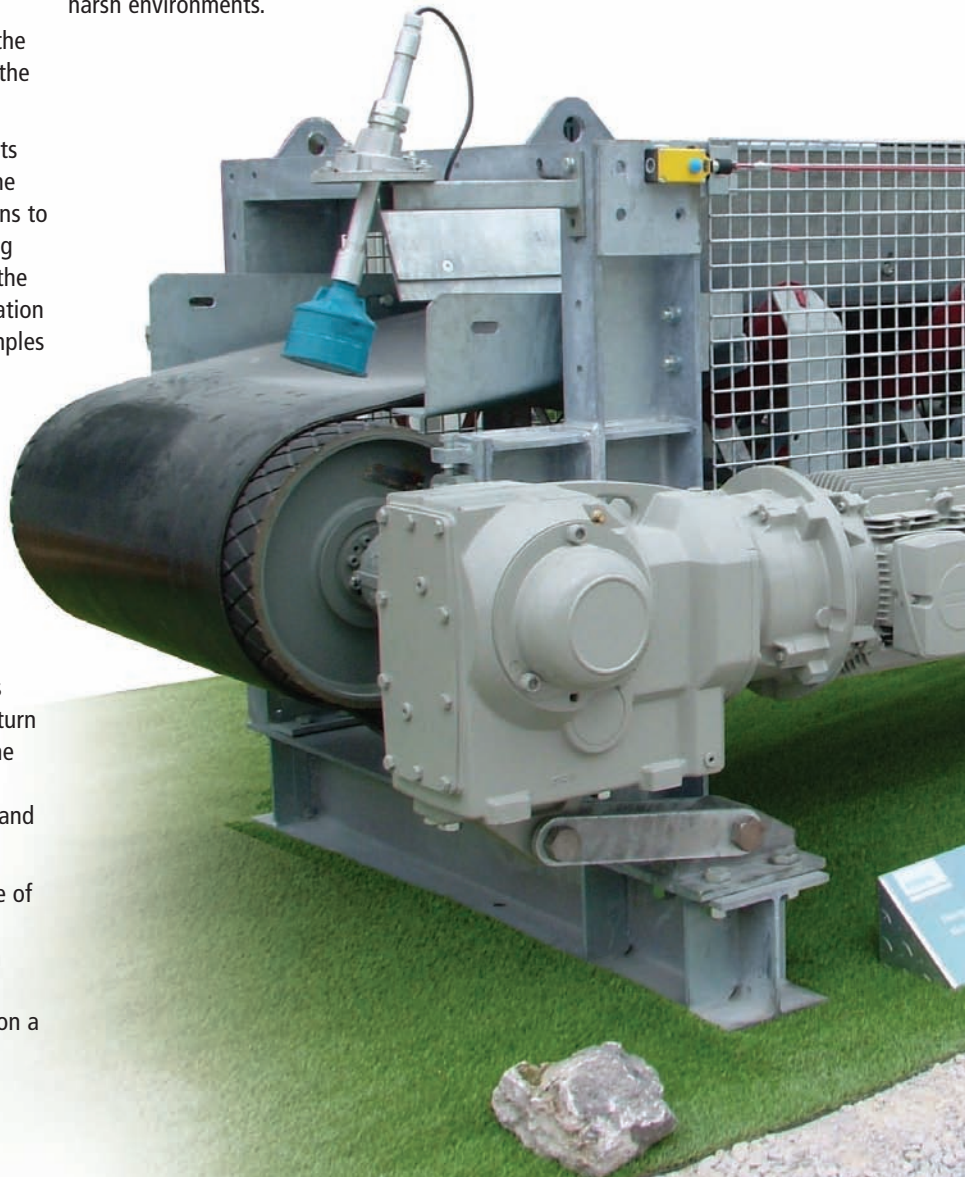
With many established Siemens products on display, such as the FZG range (now SIG) - a flagship drive component of the aggregates industry - there was plenty to see and do on the Siemens stand at Hillhead.

Totally integrated automation, safety and control system innovations

Innovations in safety technology were also revealed to customers. Siemens showed the Simatic S7-1500F failsafe programmable controller and STEP 7 Safety Advanced V13 configuration software. These were seen for the first time at April's Hanover Show but Hillhead represented their UK debut. They are all integrated into the Siemens Totally Integrated Automation (TIA) portal and along with other Siemens software, unlock the full potential of TIA, optimising all planning, machine and process procedures.

Along with the Siemens TIA portal, innovations in this area included the new SITOP 1600 module with uninterruptible power supply (UPS) to provide reliable buffering and prevent costly downtime. It is a significant market first, with TIA portal connectivity, and is Profinet/Ethernet based.

In instrumentation and analytics, Siemens showed dynamic weighing through Milltronics MSI, Sitrans LR560 radar level measurement for monitoring solids and Sitrans MAG 8000 battery-operated wireless water meters, along with laser analytics. LDS 6 and Si-trans SL are diode laser gas analysers measuring light absorption of different gas components, with signals from up to three measuring points processed simultaneously in the case of the LDS 6. The sensors on both are designed for use in harsh environments.



Energy efficiency and condition monitoring

Siemens also demonstrated how significant savings and efficiency improvements can be made using Siemens technology. Experts discussed Energy Auditing and how Siemens can help improve overall efficiency within plants.

The Siemens CMS 2000, a continuous condition monitoring unit, was launched at the show and demonstrated the benefits of condition monitoring in overall asset management for customers. The unit accepts up to 16 accelerometers, is web-enabled, and requires no additional software. This new development reflects the increasing interest in condition monitoring throughout the expanding minerals industry.

Siemens industry services

The Siemens Industry Services team were also on hand at Hillhead to talk about the wide range of services available to add value to machines and plant. Whether it be re-trofit, safety consultancy, IT security, energy efficiency consultancy, engineering support or technical consulting, Siemens can provide a comprehensive range of services tailored to customer needs.

Gary Chapman, Siemens Industry account development manager, Aggregates, summed up: "We had a very successful Hillhead and we showed how, through integration and a superb product and systems offer across an unrivalled span of areas, we can help cu-stomers maximise productivity, minimise energy use and maintain reliability, whatever the application."



 www.hub-4.com/directory/6773

The new Simogear range of geared motors was shown on a Joy Global conveyor at Hillhead


A fantastic show for JCB

Hillhead was a fantastic show for JCB.

Attendance was up by 25% versus 2012 and that was definitely felt as foot fall on the JCB stand.

There were huge amounts of positive comments regarding our new 457 wheeled loader, JS300 tracked excavator, 85Z midi excavator and 5CX WasteMaster backhoe loader. The JCB live demonstration drew large crowds every day and the number of enquiries was up versus 2012. These are now being followed up by our dealer network.



 www.hub-4.com/directory/458

Exhibiting at this year's RWM Show?

Then make the most of our dedicated coverage by booking an exhibitor profile in the recycling special edition that we will be taking to the show and mailing out prior to RWM.



Media Partner



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To make sure you get noticed at the RWM exhibition and increase visitors to your stand, we are running a Special RWM Preview in the AUGUST RECYCLING edition of the HUB magazine.

We have a special price for either a HALF or FULL page exhibitor profile, allowing you to communicate the critical information prior to, and at the show. The magazine will be posted out to 4,000 recipients prior to the RWM show, and will also be distributed at the show from our own HUB exhibition stand - Stand 4H153

Each exhibitor profile will include:

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- Choice of page title
- Stand number
- Contact details including web address
- QR Code for easy scanning with URL to your website
- Information about you and what products and technologies you will be exhibiting
- Image[s]
- List of your products/machines on show at RWM

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Metso offers complete fleet management tools for Lokotrack mobile crushing plants at Hillhead

Remote monitoring of crushing data from quarries is becoming a crucial element in mobile crushing and screening applications. Today, Metso offers complete fleet management and automation systems, designed for all Lokotrack range mobile applications.

Metso Fleet Management system consists of an IC process control system, a satellite uplink and a Metso DNA Report portal. It collects and presents a daily overview of the operating Lokotrack fleet including effective operating hours, fuel consumption, location of the units, alarms and parameter changes.

Metso IC process control system, a standard feature in all Lokotrack crushing plants, collects crusher data continuously. With the new fleet management tool, this information is being sent from Lokotrack uplink via satellite daily to be used in internet portal. The crushing data can be accessed via internet.

Saves time and adds accuracy

"Without this system, collecting operating hours and other data manually is time consuming. There are also delays before the numbers are at your fingers and the data can be inaccurate. Metso Fleet Management provides daily operating data automatically wherever you are, saving time and enhancing the accuracy of information," comments Julius Mäkelä, Project Manager at Metso Mining and Construction.

"Maintenance, ordering the spares and wears and re-fuelling can be organized in a more effective way when you know the exact fuel consumptions and operating hours of individual units. Here, the fleet management tool can provide valuable assistance," Mäkelä adds.

Metso DNA Report portal brings the crushing parameters on your eyes

Parameter changes have direct effect on crushing and screening process. Data and parameter changes are collected by the Metso DNA Report portal and data can be accessed anywhere using internet.

In the Report portal, you can compare data between the units, days or weeks. Repeating alarms due to the misuse of the unit cannot be hidden anymore. Using the portal, you have the means to guide operators to use Lokotrack in a proper way and to preserve the value of your investment.

Full range of tools for process steering and automation

Besides active product development, Metso has continuously developed new tools to ease customers operations and make those more profitable. In addition to the fleet management, Metso launched last year the ICr remote monitoring system for Lokotrack plants, providing wireless real time operating data and unit control to the excavator cabin for the operator.

The ICr system improves working safety and comfort while the operator can adjust all basic crushing parameters without leaving the excavator cabin, using a handy colour display.

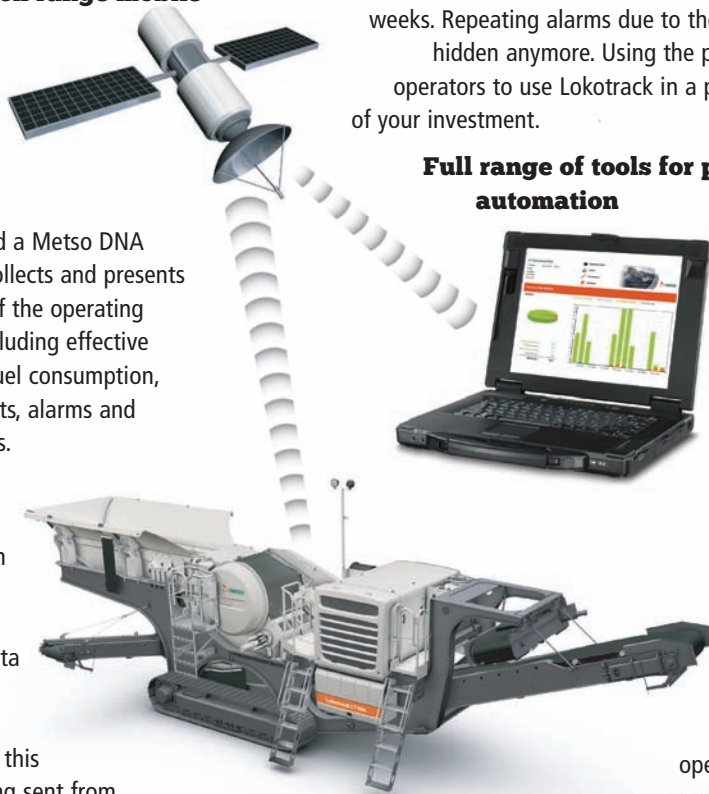
For complete mobile plant automation, a

Metso DNA automation system is available,

featuring full process controls for feeders, crushers, conveyors, screens and hoppers. The system controls material feed rate, re-circulation and crusher loads, for example.

Target values for automatic controls are given in a control room and they are gathered as production recipes that can be easily created, edited and uploaded by operators. The Metso DNA control cabin with its displays provides real-time process information and camera images.

The first Metso DNA's for mobile and portable crushing plants have been already installed and are in operation at North European crushing contractors in demanding operation environment. The feedback thus far is very positive: plant automation secures a continuous production of high quality end products and makes the operating environment safer and more comfortable.



Metso Fleet Management system collects and presents a daily overview of the operating Lokotrack fleet.

Terex Washing Systems debut at Hillhead 2014 with spectacular bill

The spotlight was firmly on Terex Washing Systems (TWS) at the recent Hillhead Show, Buxton, UK, as they made their debut at the world's largest working quarry show. The 2014 Hillhead exhibition proved to be a major success for TWS due to the tremendous interest in its products. The show provided the stage for the world premiere of the Terex® AggreScrub 150 washing unit, the new larger Terex® AggreSand 206 washing system as well as showcasing the AggreSand 165 wash plant.



TWS Director, Sean Loughran, commented, "The reaction and interest to TWS products and our stand presence was simply overwhelming. The flow of traffic onto the stand was incredible throughout the three days. We had the opportunity to meet with existing satisfied customers, prospective new customers, as well as many of our distributors from around the world. We were delighted to receive a large number of orders throughout the show, which is testament to our commitment to providing enhanced and unique washing solutions to meet customers' needs and demands." Loughran went on to say, "There is an evident economic recovery taking place with a renewed confidence in the industry. Since returning from the show, we have received further orders as well as being inundated with enquiries. We look forward to providing more aggregate washing solutions for our customers around the world".

World Premiere of New High Attrition Scrubbing

The impressive AggreScrub™ 150 was officially launched and unveiled at Hillhead. This impressive plant is designed to operate both as a stand-alone unit as well as having the ability to seamlessly integrate with the AggreSand™. The AggreScrub™ 150 is designed to deal with stubborn clay bound material which cannot be removed by rinsing or screening alone, making this plant an efficient and effective solution. Central to the development of this new plant was modular design, serviceability and functionality, making it quick and easy to set-up and easy to maintain.

The TWS team looks forward to returning to Hillhead, Buxton, UK, in 2016 to showcase yet more innovative solutions that will meet customers' aggregate washing needs and demands.



www.hub-4.com/directory/15386



A great show for Trio



Declan Leonard (TRIO European Sales Manager), Michael Dunne (TRIO Technical support) and Martin Conway (TRIO Dealer for N.Ireland)

TRIO Engineered Products, Inc. recently participated in the bi-annual Hillhead Exhibition in Buxton, United Kingdom. As the world's largest working quarry show, Hillhead 2014 attracted around 450 world's leading equipment manufacturers, contractors, suppliers and 17,559 visitors. TRIO serving as a global partner in aggregate, mining, recycling and mineral industries had a long history with the world class Exhibition since 2005.

TRIO had the pleasure to display a model TTH 6163 triple deck horizontal screen in the exhibition, which has a high performance screening of difficult materials. The picture highlights our unique v-belt drive system utilizing a Rosta spring tensioning system combined with an adjustable pitch sheave.

During the 3-day exhibition, TRIO met some newly appointed dealers from Europe, and attracted a lot of visits and inquires during the 3 day exhibition from both old and new customers.

European aggregates market is projected to recover from the economic crisis and expand 3-5% annually through 2017. It seems TRIO is already enjoying the recovery with an increase of 50% in European sales, compared to last year.

TRIO is looking forward to a bigger and more impressive display of our innovative technology at Hillhead 2016. Driven by our mission, building solutions together, TRIO has confidence to present more efficient equipment to serve your needs in the near future.

 www.hub-4.com/directory/8237

Turning Heads at Hillhead



So when we said we were 'Going Large' at Hillhead, we weren't kidding! Once again, our energy-saving polymer KING ROLLER was our star product and showstopper, and this year we gave it pride of place outdoors on Stand C18, the Northern Ireland Pavilion, where it managed to generate fantastic buzz and turn more than a few heads.

Eight of our sales and marketing team made the short trip across the Irish Sea to Buxton, including product specialists and experienced problem-solving engineers, where we premiered our hit (in more ways than one!) KING ROLLER™ movie, #WillitBreak, and successfully launched ZIPCLIP™, our new faster replacement belt system.

We'd like to thank all our visitors who travelled from USA, Canada, Italy, Romania, Saudi Arabia and West Africa! It was great to catch up with so many customers, distribution partners and suppliers from Ireland, UK, Denmark, Sweden, Trinidad and Australia and to meet potential new customers from Bulgaria, Norway and New Zealand.

See you at Load Up North, Sweden in August and Steinexpo, Germany, in September!

 www.hub-4.com/directory/5684



Powerscreen builds on successful Hillhead with impressive Steinexpo display

Powerscreen, one of the world's leading providers of mobile crushing and screening equipment, builds on the success of the recent Hillhead Exhibition with another exciting working display planned for Steinexpo, Germany. At the exhibition Powerscreen will demonstrate the capabilities of the latest in a series of new products in conjunction with local distributors C Christophel GmbH and Jurgen Kolsch GmbH. Held from 3rd - 6th September 2014 at Stand C22, Demo Area C, visitors to the show will see four new machines working. The Powerscreen® Trakpactor 320SR impact crusher and Powerscreen® Warrior 2100 screen will both be working independently, while the Powerscreen® Premiertrak 600 diesel electric jaw crusher will feed the Powerscreen® Maxtrak 1150 cone crusher.

"Following an excellent Hillhead, Powerscreen will use Steinexpo 2014 as a platform to further demonstrate our latest machine innovations," said Damian Power, Powerscreen Global Product Line Director. "Our customers will be able to see our brand new jaw crusher, cone crusher and heavy duty screen first-hand in the working display area in addition to the impactor launched at the end of last year. We invite visitors to come and see the exciting demonstrations and to talk to our knowledgeable local representatives."

Trakpactor 320SR impact crusher

The Trakpactor 320SR is a mid-sized horizontal impact crusher redesigned with some key enhancements to offer operators and contractors excellent reduction and high consistency of product shape for performance in quarry and recycling applications. The plant is capable of working in the most demanding environments and features rapid set-up time, fuel efficient direct drive system and excellent output potential of up to 320 tph (352 US tph). The plant features a recirculating conveyor which raises for transport allowing more ground clearance under the machine when moving on site and loading for transport. One of the most exciting features of the Trakpactor 320SR crusher is the quick-detach post-screen section which converts it to a standard Trakpactor 320 unit. This provides operators with outstanding versatility to use the machine in a variety of different applications.

Warrior 2100 screen

The Warrior 2100 screen is engineered to include our proven Triple Shaft technology, first developed for the successful Warrior 2400, a model which is now well established in markets worldwide. This Triple Shaft technology, unique to Powerscreen heavy duty mobile screens, is designed so the 16' x 5' screen box is highly effective and efficient while maintaining exceptional throughput productivity. The extreme screening acceleration offers the Warrior 2100 screen improved capabilities over its class rivals, especially in sticky scalping applications.

With amplitudes and accelerations in excess of 16mm and 6g respectively, the Warrior 2100 triple shaft screen outperforms conventional screens in a multitude of applications including aggregates, overburden, processed ores, topsoil, compost, C&D waste, C&I waste, foundry waste and biomass.





1150 Maxtrak cone crusher

The range of Powerscreen tracked mobile cone crushers has broadened with the launch of the mid-sized 1150 Maxtrak unit. Targeted at quarry operators and contractors alike, the 1150 Maxtrak model builds upon the success of the Maxtrak 1000 and 1300 models offering unrivalled performance, production and versatility. The crushing action of the 1150 Maxtrak model also delivers the same superb product shaping for which the other Powerscreen cones have become world-renowned. The machine will be offered in two key configurations: a direct feed model and a pre-screen version which enables customers to handle dirty feed material and achieve higher production rates. With a choice of strokes and four liner options which are all compatible with a single upper frame, the 1150 Maxtrak cone crusher can be easily configured for all applications. Feed sizes of up to 205mm are possible into the 225kW cone chamber which is driven directly by a fuel efficient 331kW Scania DC 13 engine that complies to the latest Stage IV emission regulations. One of the most impressive features of the pre-screen model is the patented hydraulic folding system for converting the machine into a direct feed layout in minutes delivering unparalleled flexibility to the end-user.

Premiertrak 600 jaw crusher

The productivity requirements of customers coupled with high expectations have led to the development of the Premiertrak 600 jaw crusher which comes to market in two possible configurations: diesel-hydraulic and diesel-electric. Both versions are designed and constructed to deliver maximum production and



performance with minimum downtime and running costs. The diesel-electric machine can be powered directly from an on-site source which further reduces the cost of operation. At the heart of the Premiertrak 600 crusher, is a 1200mm x 820mm modern jaw chamber incorporating robust construction with many user-friendly features including a fully hydraulic CSS range of 75mm-200mm and a reversing system to clear blockages quickly for increased uptime. The aggressive stroke and high inertia flywheels provide high production rates and excellent reduction ratios. With speed and safety in mind, the Premiertrak 600 crusher can be fully set-up from ground level due to its hydraulic folding and locking hopper system, in combination with the hydraulically lowering product conveyor. Like all other products in our mobile jaw range, the Premiertrak 600 model hosts an array of options which are configurable for each and every possible application.

Visit stand C22, Demo Area C at Steinexpo in Germany to see what Powerscreen has to offer you. For more information on Powerscreen® crushing and screening products or Customer Support, please contact your local distributor. Details can be found at www.powerscreen.com



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Finning heralds most successful Hillhead in years

Revealing a two-storey 'Built For It' themed stand, Finning launched the show with Sir Ranulph Fiennes, the world's greatest living explorer, alongside a line-up of new Cat equipment including Rover, the Antarctic D6N that has made a successful return from the Coldest Journey.

With record visitors to the stand and a number of big reveals at the show, the biggest buzz related to the launch of the plant sector's first fuel promise. Jason Howlett, Finning Equipment Solutions Director: "We came to Hillhead with the best range of fuel efficient products in the market which included the new M Series wheel loader, C Series Articulated truck and Cat 336 hybrid excavator. But we wanted to go one step further and really say to customers 'we are so confident of the fuel efficiency performance of our core Caterpillar equipment that we promise you a fuel consumption range for your new machine'.

"Why was this promise significant? Well we are willing to back it financially, as the promise also incorporates payments to the customer if fuel consumption figures are not met. This is a first in the industry and something that was really well received by our Hillhead visitors."

With the static display also including Komptech and Slepner equipment for the first time at Hillhead, Finning significantly boosted its overall range of equipment on display, with a comprehensive live demonstration. This featured a range of new and used equipment, including the first demonstrations of the M Series and the K Series compact wheel loaders in Europe.



Announcing its £11m industry first Managed Solutions deal at the show with CEMEX, Finning also showed off the importance of technology and consultancy to the future of the industry, with the ground floor of its two storey stand housing touch screen displays and live demonstrations of its Equipment Management Solutions.

Jason: "Our £11m deal with CEMEX real shows the importance of our consultancy

capabilities, which allowed us to identify key operational opportunities for savings at the Dove Holes site, in addition to the creation of a specific managed solution, that incorporated new and existing equipment. The £1.4m fuel savings over the eight year deal alone cover more than 10% of the overall contract value. But as visitors to Hillhead were able to see, delivering such savings involves combining the latest equipment, monitoring technology and Finsight engineering expertise, to make sure equipment performance is optimised."

In addition to the new deal with CEMEX, Finning also announced a brand new industry Gold standard accreditation in partnership with the MPQC's awarding body, MP Awards. With a total of four operators awarded Gold Cards on the Finning stand from industry leading organisations that included Hope Construction Materials, Lafarge Tarmac, Breedon Aggregates and CEMEX, the new accreditation is set to support the ongoing drive for professionalism in the sector.

To achieve the gold standard, operators will take part in specialist training and ongoing coaching through an intensive onsite course, with the machines they operate; run by Caterpillar accredited Finning operator trainers, the practical course covers a full range of different manufactures models and focuses on both fuel and production efficiency.

Jason concluded: "Hillhead 2014 was a great show for us this year. We were able to connect with the industry at all levels through live demonstrations, equipment displays and our on stand team. There are less than two years to go to Hillhead 2016, but we are already looking at how we can build on the success of our 'Built For It' themed stand and look forward to welcoming visitors to our stand for the next show."



www.hub-4.com/directory/7230

Hyundai Packs a Punch at Hillhead with Two New Machine Launches

The Hyundai Heavy Industries Europe stand at the Hillhead 2014 event (24th - 26th June, Buxton Quarry, Derbyshire, UK) saw nine machines including two brand new models; the new R125LC-9A midi excavator and the R430LC-9A crawler excavator. Hyundai also gave live demonstrations in the quarry face demo area of the HL780-9A wheeled loader and the R480LC-9A crawler excavator.

Also on the HHIE stand was the latest -9A models including the R220LC-9A, R300LC-9A, R80CR-9A crawler excavators. And the latest -9A wheeled loaders including HL757-9A, HL770-9A. Other machines to look out for are the R27Z-9 and R60CR-9 mini excavators.

New launches at Hillhead

The new R430LC-9A crawler excavator took centre stage on the Hyundai stand - the brand new machine has an operating weight of 42,600kg's offering customers an even greater choice with this new weight class. The R430LC-9A is the ideal machine for bulk earthmoving, large civil engineering and quarrying work.

At the heart of the R430LC-9A is the low emission and low noise, Cummins QSL9 Tier 4 Interim/Stage IIIB engine, which offers a rated power output of 310hp (231kw). This engine features the Xtra-High Pressure Injection (XPI) fuel system, which delivers a constant stream of pressurized fuel across all engine rpm speeds, providing cleaner combustion and improved engine response. This engine is designed to provide the lowest cost of operation in its class, offering customers the most economical and quiet operating machine with exceptional power and performance. Hyundai say that the EGR engine is 'hassle-free' and Adblue free!

Hyundai -9A series excavators are engineered to be extremely fuel efficient with a proven 5% fuel savings in comparison to previous models. New innovations like the variable speed remote fan, two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.

Like existing models in the -9A series, the R430LC-9A features Hyundai's Computer Aided Power Optimization (CAPO) system. Using this system, the operator can set their own preferences for boom or swing priority, power mode selection, including three working modes, P (Power), S (Standard) and E (Economy), and optional work tool settings at the touch of a button, to suit the task in hand.

Brand New Hyundai R125LC-9A midi excavator makes world-debut!

The 12 tonne midi short tail swing crawler excavator from Hyundai fits perfectly between the R80LC-9 8 tonne and the R140LC-9 14 tonne machines. This new weight class machine is perfect for the UK market for use in urban areas where space is limited and where manoeuvrability is a problem. The boom is not offset, which makes the machine more compact when operating in 'tight spots'.

The new midi excavator offers arm digging force to 6,140kgf and a bucket digging force of 9,200kgf. The machine has an operating weight of 12,500kg's and a maximum digging depth of 5,060mm. The R125LC-9A cabin structure has been fitted with stronger but slimmer tubing for added safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame.

The R125LC-9A is fitted with a Perkins 1204E Engine. The Tier 4 interim/Stage IIIB compliant engine provides maximum power, reliability, optimum fuel economy, and reduced emissions. Electronically controlled fuel injection and diagnostic capabilities add to the engines efficiency and serviceability.

Live demonstrations in the quarry face demo area of the HL780-9A wheeled loader and the R480LC-9A crawler excavator.

The Hyundai HL780-9A wheeled loader was put through its paces in the demo area. Launched last year, the rugged and powerful machine like its fellow stable mates in the HL 9A range, complies with strict Tier 4 Interim/EU-Stage IIIB standards on engine emissions. Its engine comes with an EGR and diesel particulate filter (DPF). The DPF is automatically and/or manually regenerated, ensuring compliance with all NOx and PM values. The high performance DPF filters only need to be cleaned after 5,000 to 6,000 hours in operation.



The HL780-9A is fitted with various transmission and power modes to allow the operator to customise the switching characteristics, switching points, working speed and hydraulic power to suit the application. The different modes ensure the best torque/oil flow for the job. The torque converter lockup is standard from second gear upwards, and the rigid transmission of the converter is said to noticeably reduce fuel consumption, especially for applications which involve a lot of driving.

Also on demo was the R480LC-9A crawler excavator which boasts an operating weight of 4.9 tonne. Hyundai has powered this 9A earthmover with a low emission, low noise, Cummins Tier 4 Interim/Stage IIIB QSX11.9 engine. This engine has one of the highest power-to-weight ratios in its class, and its remarkable torque rise (up to 50%) enables the engine to quickly take full advantage of the torque power. This heavy line earthmover is guaranteed to get the largest of jobs done, whether it's a massive amount of material that needs to be moved, or a deep trench project.

 www.hub-4.com/directory/13487



A very successful show for Tesab

Tesab had a highly successful Hillhead show with a new product launch and new developments to its proven crusher range. Tesab used the Hillhead show as the platform to launch the New Trackstack 8542TBF tracked stockpiler with the largest stockpile in its class for this type of conveyor.

Also on the demo are the Tesab 1200TC tracked cone crusher and 8042T tracked conveyor unit proving to be a great combination and demonstrated the fuel saving potential of the 8042T.

Due to the design of these conveyors from power unit to belt drive, customers are reporting fuel rates as low as 3 litres per hour making them a vital tool for efficient operations.

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Several new contract awards for Dernaseer



Following involvement in the recent CTT Moscow and Hillhead exhibitions Dernaseer are celebrating several contracts to provide washing equipment to companies in Russia, UK, Ireland and the Caribbean. This news further enhances the company's position as a leading provider of washing solutions to the quarry and recycling industry worldwide.

Sales Director Martin Conway explained "we have been doing a little business in Russia over the past couple of years but at CTT we were able to finalise further deals to provide a complete sand and gravel washing plant including water treatment, and two large bucketwheel sand washers to three different customers. Along with a contract in the UK for a turnkey plant to wash C&D material which we confirmed at Hillhead and contracts in Ireland and the Caribbean for sand & gravel washing plants it has been a very successful early summer for us. We have also received strong interest in our products from the USA and Australia and we look forward to expanding our presence in those markets later in the year".

Founded in 1988, Dernaseer has evolved into a leading manufacturer of washing equipment used in the sand & gravel, quarrying and recycling industries. Based in Co. Tyrone, Northern Ireland the company's product range includes feeders, screens, cyclone sand plants, logwashers, bucketwheel sand plants, water pumps, water treatment plants and filter presses.

 www.hub-4.com/directory/7271



(Left to Right): Colin Clements, Alex Moss

DUO Africa Announce Nigerian Expansion Plans at Hillhead

DUO Africa, an official Powerscreen and Terex representative in West Africa, have announced plans for further expansion into other parts of the region with the imminent opening of a new trading office in Lagos, Nigeria, supported by a spares and depot facility in the north of the country. DUO already has an established presence in the region through its Ghanaian Trading Office and Service Centre.

The opening of the new DUO facilities in Nigeria coincides with Powerscreen's plans to expand DUO's territory in the region, which was announced at the recent Hillhead Exhibition. Part of the justification behind Powerscreen's plans to add Nigeria to DUO Africa's territory was their success in Powerscreen's 2013 Dealer Awards in which DUO Africa achieved 3rd place out of 120 dealers worldwide after only 10 months of trading. The awards are judged based on a dynamic scorecard which rewards distributors for superior achievement across a range of business disciplines including: providing excellent customer support, achieving machine and parts sales targets, financial management and commitment to the Powerscreen brand.

Alex Moss, CEO, DUO Group said "Throughout our time in Ghana we have received increasing numbers of potential customers from Nigeria contacting us as our reputation as an equipment and support provider has grown." He added, "We understand that Nigeria is a challenging market but we look forward to these challenges in what is very exciting times for the DUO Group".

Colin Clements, International Sales Director at Powerscreen said: 'We have strengthened our global distributor network in Africa through DUO's success in Ghana and this is why we plan to work with them as they develop a presence in Nigeria. DUO Africa have already proved their ability to deliver growth and support for our customers' requirements in new markets.

Luke Talbot, DUO Africa Director, commented "We have established a successful business model in Ghana which works well as part of the DUO Group and meets the needs of the local customer base. Plans are in place to replicate this in Nigeria with the key focus being on product support, through our parts depot and a team of expat Service Engineers, providing our African customer-base with the same levels of support we offer our UK customers is our objective".

 www.hub-4.com/directory/928



Terex Finlay buoyed by the success of Hillhead 2014

Hillhead 2014 exceeded our expectations and has undoubtedly signaled a return to confidence in the UK, Ireland and international markets. In terms of our new product launches we've had an encouraging response to those models that we presented for the first time at the show.



Our NEW model 893 and 883+ heavy duty screen, I-100RS impact crusher and C-1550 cone crusher were headline highlights to not just British and Irish customers, but also the many international visitors that we had call onto our stand. The introduction to these new models has been a key part of our new product development initiatives and we already are starting to see a surge in demand for both these machines.

We took the decision to preview our new model J-1170AS on our main booth. This new model is the next stage in the development of our successful J-1170 model, a machine that we launched last year at bauma, 2013. We were inundated with requests from customers to see this machine in action and as a direct result the machine will go to work with a number of these customers in their day to day operations as part of our stringent testing phase. The machine went straight to work on a customer site after the Hillhead show and both we and the customer are delighted with the initial results. We endeavor to bring this machine to market in late 2014. Our NEW 883+ Spaleck screener was also a real eye opener and many customers marveled at this machines flexibility and capabilities. The decision to demonstrate the machine in the recycling area clearly demonstrated the versatility of this class leading machine.

Without doubt the biggest draw at the show was our diesel/electric dual-powered train comprising our J-1175 jaw crusher, C-1540 cone crusher and 694+ inclined screener that we placed in our working area. These dual powered machines offer operators the flexibility to power the plant either by mains electric connection or the onboard genset powerpack configuration. Either power option presents operators with significant power, servicing and maintenance cost savings in direct comparison to a diesel/hydraulic powered plant.

These machines attracted a lot of attention at the show and customers whom we demonstrated the potential energy savings where very impressed and we have some very solid leads that we'll be following up in the coming months.

Overall the show was a tremendous success and well worth the effort and resources that we invested in it. More importantly we left the show having conducted some business and with many promising leads that we aim to convert in the near and the medium term' said Nigel Irvine, Sales & Marketing Director.

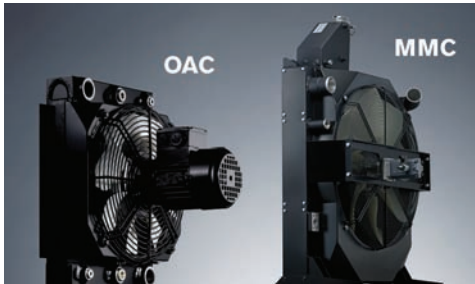


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KTR oil coolers are an effective component



Oil/air coolers are an effective component of any mobile construction system, optimise the efficiency of hydraulic drives and controlling the flow of the hydraulic medium.

Environmental consciousness in the shape of new Tier 4 emission engines, and increasingly compact design dimensions in mobile construction equipment, mean thermo management is becoming more and more important. Subsequently, ever more compact oil coolers with increasing power density are in demanded by engine builders and system suppliers looking for an easy integration into smaller housings and systems.

In mobile hydraulics, design engineers seek to save on fuel by reducing weight and getting by on oil volumes that are as small as possible. In industrial hydraulics it is mostly the installation space and the charges of the hydraulic medium which are decisive if a low oil volume is required. Furthermore, the lower the oil volume, the more dynamic the system must be as lower energy volumes must control the oil flow. Thus, energy efficiency is paramount to modern hydraulic systems.

For the aforementioned reasons, KTR offers oil/air coolers series OAC & MMC, plate heat exchangers PHE, and compact tube bundle heat exchangers series TAK and TAK/T.

KTR's OAC coolers are intended to be compact, have a high efficiency factor and ease of maintenance. The OAC is also available with a special corrosive resistant KTL coating and is ATEX approved according to the EU standard 94/9/EG (ATEX 95). OAC 200 to OAC 900 can be used in the gas-explosion zones "I 2G c IIB+H2 T X" and dust explosion zones "II 3D c T X", applying for versions with 230V/400V fan drive as well as those with hydraulic drive.

Going a step further, KTR's MMC combination coolers are designed and manufactured to customer requirements and capable of cooling multiple media (oil, air, water, fuel) simultaneously within one housing. KTR's MMC offers the best solution for saving on space, weight and cost.



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The 10,000th machine sold by Warwick Ward (machinery) Ltd



Hillhead 2014 was memorable for many reasons, the weather was kind for one, and it was certainly a historic show for Warwick Ward (machinery)Ltd. Warwick Ward have been in business since 1970 and have been ever present exhibitors at Hillhead since 1989. This year's show was particularly poignant and memorable for the fact that it was marked by the sale of the 10,000th piece of earthmoving equipment to have passed through their premises at Blacker Hill in Barnsley, South Yorkshire in their 44 years of trading.

It was fitting also that one of Warwick Ward's first ever customers back in 1970, Cat Plant Ltd also of Barnsley, were the purchasers some 44 years on of the brand new Case 1121F that marked this iconic moment. Cat Plant owner Sid Bolton is pictured with son in law Ronnie shaking hands on the deal with Warwick Ward owners Ashley and Matthew Ward. Also on the photo are Scott Freeman and Andy Blandford from Case Construction.

It was a shame that Warwick Ward himself who sadly passed away 10 years was not present to witness the occasion as he would surely have been a very proud man and would have smiled at the fact that it was Sid who was the lucky recipient of machine number 10,000 - he would also no doubt have smiled at the fact that Sid continues in true fashion to drive a very hard bargain! Cat Plant are themselves over 40 years established as a large plant hire company and also operate a quarry and landfill site locally.

Warwick Ward have grown significantly from those humble beginnings back in 1970 when Warwick bought his first small yard in Canal Street, Barnsley which has now long since been a housing estate. Warwick Ward moved into their premises at Blacker Hill in the late 1970's and have been there ever since.

Widely recognised as Europe's largest stock of used wheel loaders, earthmoving equipment and spare parts, Warwick Ward became a Case Construction dealer in 2006 and have now firmly established themselves as one of Case's best performing flagship dealerships in Europe. In 2012, the company expanded further by taking on the sole UK distributorship for Tana waste shredders and compactors and the business in all sectors continues to grow year on year.



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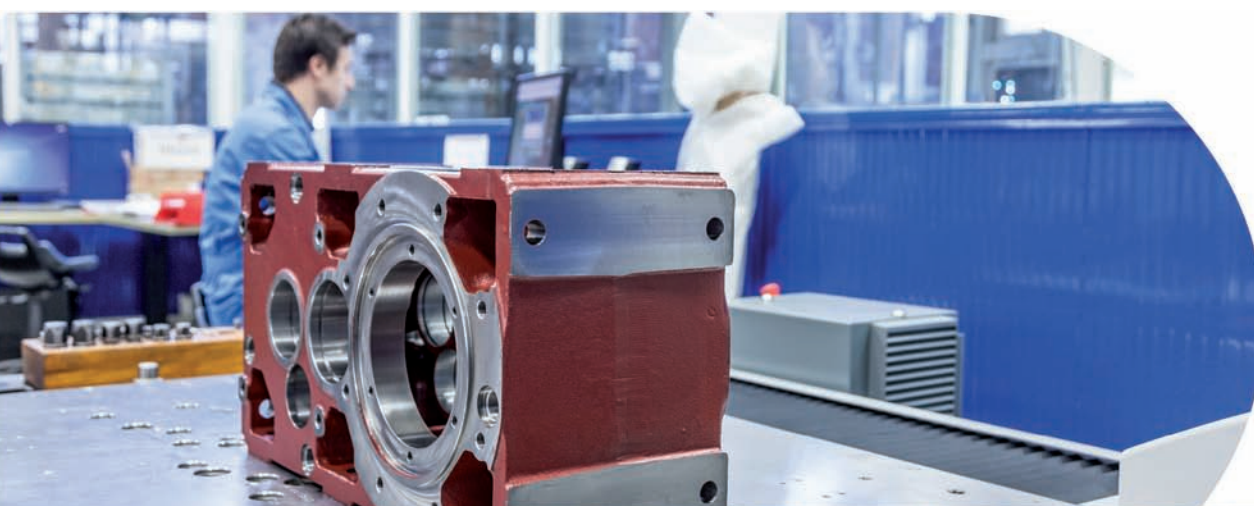


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Anaconda Crusher launch at Hillhead 2014 'Jaw dropping'!

Anaconda Equipment, the Northern Ireland based manufacturer of mobile screens and stockpilers, took to the stage at Hillhead 2014 with the most significant product launch to date. The J960 ECO jaw crusher is the first mobile crusher product from the company and indicates a clear intention to provide customers with a complete solution for materials processing. The unit looks fantastic and promises to be popular globally, especially in urban areas.

The J960 ECO represents everything that is good about contract crushing - compact, transportable, fuel efficient and above all, robust! Anaconda is very proud of their first step into the crushing arena and is extremely pleased with the reception at Hillhead. Technical director, Martin Quinn highlights this bold step from the company:

"I guess people have been wondering when we were going to get into crushing as it is a natural step after screening but we didn't take this decision lightly. Crushing is not for the faint hearted and we have spent considerable time on the J960 ECO project to get it right. A lot of time was spent understanding the features that would really make a difference to potential customers and we have designed this machine with standard items that others would consider 'options'.

Fuel is a considerable running cost no matter where you are so the dual power option was the first 'standard' feature to go on the page. We also looked at reducing the level of noise on this unit and the result has been that we have managed to produce one of the quietest crushers on the market. With the help of our dealer network, the other features were quickly established and designed into the product. It's an exciting time for us and the feedback over the few days at the show has been both complimentary and positive."



The J960 ECO offers a 900 x 600 (36" x 24") jaw opening, a dirt belt, magnet and dual power as standard. There is also an auxiliary power socket to run a separate stockpiler or to run a small generator. The feeder has a grizzly section to remove 'dirt' and a diverter chute which can either remove the dirt completely out the dirt belt or transfer it onto the main discharge belt and mix with the crushed product. The fuel consumption is an amazing 6-8 litres per hour which is a substantial saving when you consider that 25-30 litre per hour is not uncommon for some crushers of this size.

As well as launching the crusher, Anaconda also exhibited the recently re-designed DF512 with enhanced features and the SR514 two-deck finishing screen. All three products represent a distinct up-sizing of Anaconda's range of products and put them firmly in the 'main league' when it comes to equipment suppliers from the crushing and screening sector.

Concluding on the overall success of the show, Mr Quinn added: "Hillhead is one of the best trade shows around. It is small enough to get around yet the visitor type is exactly what you are looking for. The show was a great success and there is a definite change in the mood from two years ago. There were certainly more buyers around and the feedback on all our products, especially the crusher, was extremely pleasing. Coming off the back of the Conexpo in Vegas a few months back, we are set for a fantastic year and we still have the Steinexpo in Germany to come."

It will be interesting to see what is next for Anaconda but you can count on further product launches as standard!



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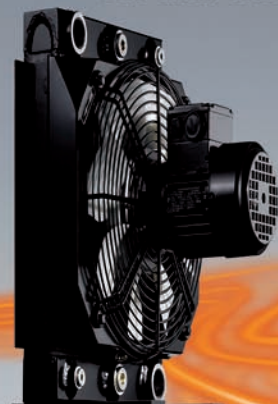
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Liebherr at Hillhead 2014

Lee Palmer, Divisional Manager for the Earthmoving Division said we couldn't have asked for a better show. It's been absolutely fantastic, with lots of enquiries. Several machines were sold off the stand during the event and there will be more sales after the show as we follow up the enquiries."

Mr Palmer went on to say "We had three new models on display, the R922 excavator and the PR736 Dozer, but our new R914 compact excavator was the star of the show for us this year."

Keith Ragg, General Manager of the Concrete Division highlighted "we exhibited the Mobilmix 2.25 batch mixing plant and the HTM904 9m³ Truck mixer and the latest Truck Mounted Pump. I was really pleased with the interest in all three products and delighted to have taken orders directly from the show."

As well as the new product purchases there was brisk business for the Rental team. The Rental Division had equipment on the Liebherr stand as well as in the adjacent demonstration area. Mark Witcher, General Manager of Liebherr Rentals explained "the combination of static and active machinery gave visitors the chance



to properly preview our Rental Fleet; enquiries were much higher than expected, demonstrating customer's appreciation of how renting, be it short or longer term, can be a serious solution to their business needs".

Alternatives to new machine purchase were offered by our Quality Used Equipment team who were on hand to explain the advantages and quality that second hand equipment offers, John Diggins, Sales Manager for Quality Used Equipment said "not everybody is looking for brand new equipment and Hillhead was a great opportunity to talk with new and existing customers, many of who are repeat customers, who understand the high quality levels and competitive pricing that we offer."

David Croft, Marketing Manager summarised, "we had a very successful show with many visitors passing through the stand over the three days. We were very pleased with both the quantity and quality of the visitors, in particular we were impressed with the number of new contacts we made. Possibly the best Hillhead yet."



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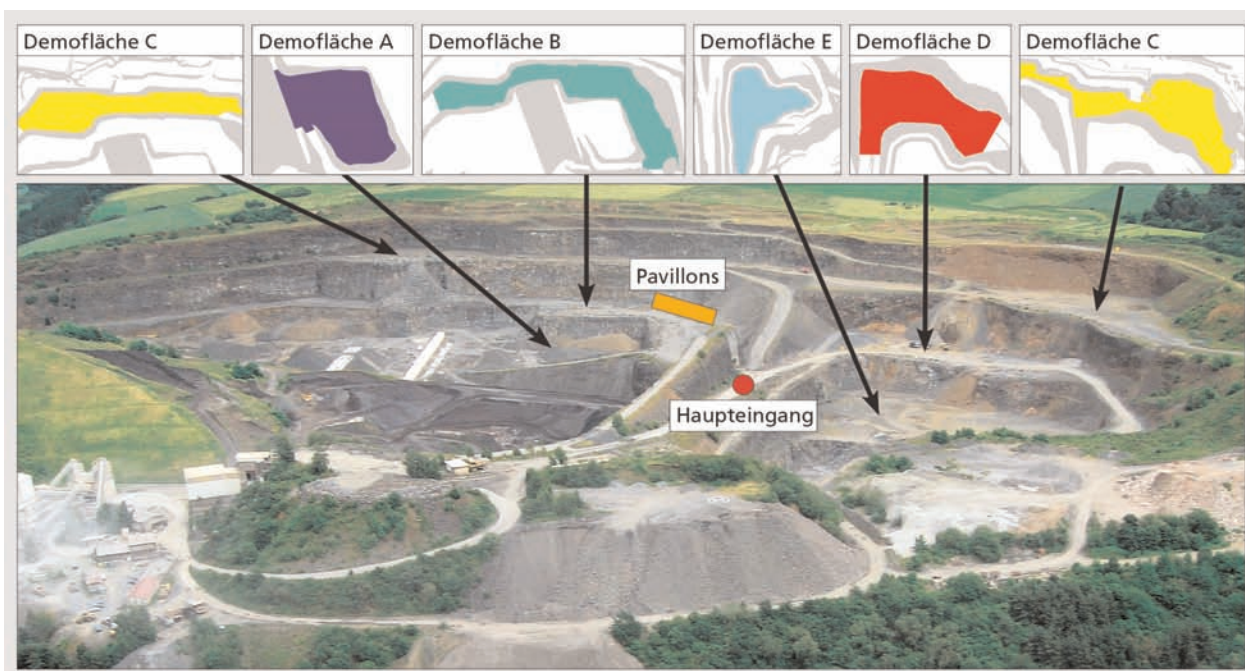
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The final phase has begun

245 exhibitors with 315 trademarks. These are the key data when taking stock of steinexpo 2014. Compared to the previous event at the same time, this represents an increase of 15%.

steinexpo
9th International Demonstration Show
for the Construction Materials Industry **2014**

This year the MHI quarry in Nieder-Ofleiden provides 180,000 m² of gross exhibition space for steinexpo 2014 (date: 3 to 6 September). As with every major event, the demonstration exhibition has in the meantime developed a life of its own and this has to be continuously nurtured for it to keep growing. The 'growth assistants' in this endeavour are in particular the trade fair director Dr. Friedhelm Rese who, together with the general manager Andrea Friedrich, provides the right stimuli at the right time. The trade fair director gave as the lowdown on how he manages to keep the momentum to meet the steinexpo challenge every three years with new initiatives.



Dr. Rese, what is the progress of the preparatory work for the fair?

Dr. Friedhelm Rese: All work is running on schedule. Our planning team headed by Prof. Hossein Tudeschi and Thomas Hardebusch of the Technical University Clausthal is not missing a beat in the planning and also provides the necessary support in terms of exhibitor requests for machinery set-up and demonstration. As usual, we also receive a lot of support from the MHI quarry operator. In this regard the good cooperation with the technical director Dirk Menninger and the plant manager Dieter Weber is worthy of special mention.

What are some specific features that you look forward to the most this time?

In general, our team is particularly driven by maximum exhibitor and visitor satisfaction, and we are focused on achieving it this time too. What is interesting is the increase in the number of new exhibitors both national and international. We are very excited to hear how they rate their participation premiere. An impressive attraction will most likely be the steep lift between quarry soles B and C. For the exhibition itself is indeed a mere footnote, but for visitors a considerable time-saving element, which in turn will benefit exhibitors when it translates into greater frequency in visits. Apart from that, through various requests we are aware that exhibitors are planning quite outstanding demonstrations to up the game on their previous presentations once more. Besides the usual sizes of the majority of machinery in Germany, there will also be some construction machinery giants that one does not get to see in action every day being put through their paces.

The demonstrations are of course the real steinexpo showcase events. But this time you also promise the pavilion exhibitors an experience that is more a part of the game than merely being on the sideline. How will you achieve this?

Our new pavilion concept with its stand design that promotes this concept and allows more vibrant presentations is to integrate the rather 'static' range of accessory suppliers and service providers to a greater extent in the lively trade fair environment. The side walls are easy to open when required and this openness has a strong pull and welcoming effect on visitors. Finally the exhibitors themselves will play their inventive parts in reinforcing this initiative.

www.steinexpo.de

Large Iraq project for Baioni

The Gross Domestic Product in Iraq expanded 4.21 percent in 2014 from the previous year. GDP Annual Growth Rate in Iraq averaged 8.06 percent from 1991 until 2013, reaching an all time high of 54.16 percent. These figures show and explain why European manufacturers are looking to Iraq as target country for their export.

Baioni have gained an important reference in respect of a big static crushing, screening and washing plant at the new site near Baghdad; Bismayah New City is the vast National Housing Program owned by Hanwha Corporation, the first and the biggest city development project throughout the history of Iraq. Bismayah city is located 10km south east of Baghdad on the Iraqi-Kuwaiti Highway, spread on a total area of 1,830 hectare area and is planned to accommodate around 600,000 occupants in a total of 100,000 residential units.

The Government of Iraq will develop the public facilities such as education, religious, welfare, and commercial facilities as well as the infra-structure including water and sewage treatment plants.

When Hanwha began looking for a supplier for the new aggregates plant they had some very specific requirements in order to ensure that the sand and gravel production process at the new site was designed with efficiency in mind. The fact that they would need a two phase installation led Baioni to carefully design and implement the whole plant allowing flexible operations.

To help achieve the production of the aggregate for construction aims the affiliate civil engineering company, S & P WORLD NETWORKS JLT from Korea, turned to Baioni, even though their own existing crushing plant was delivered by others.



The installation has been recently commissioned and started-up and Baioni are already securing services such as the transport and logistics for spares directly from Italy.

Project Management

The client's main material application is crushing alluvial abrasive material to be used as aggregate for concrete production in Bismayah new project. The plant operates at 400tonnes/hour consisting of two different crushing stages using impact crushers first and a mill and an impactor after; for this reason a two stage assembly process was needed together with a two month training program.

The first part of the plant concerns the crushing of alluvial material (5 200mm) by means of two secondary jaw crushers: MIS 140 and MIS 100. At this stage material is conveyed to two screens for stockpile (0-40mm), while +40mm oversize





product is further crushed using a BV 6500 vertical shaft impactor for the production of sand (0-5mm). The second stage sees the use of a GTB 200 bars mill not only for the production of sand but mainly to keep the grading envelope of the sand unchanged, in other words, to guarantee the right particle-size curve of the sand. The plant is effectively addressing clients problems who latterly decided to have a great quantity of sand.

The processing system

A new fully automated crushing and screening plant that includes two parallel V18.50/3 deck



screens removing the 0-5mm (stockpile) while the +5mm oversize is conveyed into a bag storage and then sent to crushing. The feature is that there is no primary crushing as the material received is already 200mm. At this stage the client has two parallel operational lines: production of the 0-40mm or production of the +400mm oversize product which, passing through different stages of screening, cycloning, crushing, achieves a good quality sand. So, in the primary production mode the plant produces a 0-4mm sand, in fact 50% of production is sand. In secondary production mode the +40mm oversize is processed through the combination between jaws, bars mill and vertical shaft impactor which provides high quality 8-13mm and 5-8mm aggregates.

Besides the high quality products with high rates of production which Baioni equipment is able to offer, another key

feature of the plant is the dust suppression system manufactured by Baioni themselves. Dust generation is unfortunately an inevitable consequence of mineral/material extraction due to the processes of breaking and handling of rocks.

"Baioni have developed the BaiJet system for dust emissions control which employs spray nozzles on every individual machine. The advantage is that this dust control system drastically reduces process downtime, it is so efficient that it pays itself during the first month of use", says Stefanello Stefano, Trading Manager for Baioni. "In the Iraqi installation everything is working efficiently".

"In Baioni the approach is customer orientated, we strive to accommodate every request and every time we have to revise the methods of design, assemblage, control and management to work better" says Pietro Baioni, CEO. "Given the flexibility of our installations of addressing the needs of our customers who often look for performance and cost, we can now say we are ready for a further expansion in Iraq. We are now witnessing signs of stabilisation/recovery of the economic situation and we are now ready to integrate all of our work for big government plans and projects", he concluded.



www.hub-4.com/directory/2889



They cried “Wolf Minerals” when the beast of Lee Moor arrived on the edge of Dartmoor, Devon

By Jeff Buxton

Australian Company, Wolf Minerals £130m tungsten site on the edge of Dartmoor will when fully operational will be one of the world's most important tungsten mines producing 5000 tonnes a year.

Charlie Northfield, process plant manager, for the Wolf Mineral site commented, “We plan to be producing 5000 tonnes per year of tungsten concentrate at 65% tungsten - about 3.5% of the global forecast demand”. Wolf Minerals, the Australian company building and operating the mine, claim 200 jobs will be directly created and stated that the £130m project will plough millions of pounds into the Devon and UK economies every year.

The history

The Hemerdon site located close to Lee Moor area is situated approximately 5km from Plymouth coastal harbour. Renowned for its mining heritage the industry has been a provider and key driver of the local economy. Large scale, china clay and aggregates operations continue in the area, which has been extensively mined since the mid nineteenth century. Charlie said, “If things go to plan, there is a great future for mining of tungsten and mining again in this area of Devon”.

The road to realising their plans to mine tungsten has not been easy. Tungsten was first discovered at Hemerdon, as far back as 1867 and such is the scale of the deposit that the site is now recognised by the British Geological Survey as the fourth largest tungsten resource in the world.

Although by today's standards relatively small in scale the first significant workings took place between the period of the first and second world war when mines were built and production commenced.

With operations coming to a halt in 1944 due to the resumption of shipments of tungsten from overseas further attempts continued during the 1960s and early 1970s to reopen the mine, but failed.



The future

In the late 1970s an American mining company AMAX became involved and a significant exploratory programme of drilling got underway. In 1981 a planning application was submitted to mine tungsten and following a public enquiry in 1982 the Secretary of State indicated that the improvements to the visual aspects of the processing plant and waste disposals area would be regarded more favourably in a new submission. A revised plan was subsequently submitted in 1985 which was passed by Devon County council in 1986.

Planning permissions to mine tungsten at Hemerdon are now in place and were recently updated by Wolf Minerals in 2011, with the approval of Devon County Council and the Secretary of State for communities and local government.

In 2011 Wolf Minerals completed and published a definitive feasibility study and the following year the 600m link road was completed and opened between Lee Moor Road and West Park Hill in Plympton. In 2013 the project financial deal was completed followed closely by the processing plant & infrastructure final design.





In 2013 GR Engineering, another Australian company specialising in mineral extraction projects were appointed EPC as a main contractor to work in conjunction with Wolf Minerals to deliver the project on their behalf. With GR Engineering working with Wolf Minerals to design and build to implement the process equipment scope of works to meet the process needs key process equipment and services were identified and suppliers invited to tender. One of these processes was the supply of 10 linear screens used for the separation of the size fractions of raw and finished material within the process streams. Don Valley Engineering was identified as a manufacturer and following technical discussion and visits by GR Engineering to their Doncaster Works, were eventually selected as the preferred supplier and awarded a contract to supply 10 Linear screens, ranging from 9.0m² to 64m² with single and double deck screening areas and throughput rates in excess of 1200tph.

The scope of work and project schedule called for the design, supply and delivery in the second quarter of 2014, including individual screen testing and FAT (Factory Acceptance Testing).

Work to commission the mine, its processing plant and other decommissioning of old infrastructure commenced in 2013. Whilst the initial phase of the operation involves the detailed design of the processing plant and off site fabrication.

The extraction process

The extraction of tungsten will take place through open pit mining with the pit measuring about 850m long by 450m wide extending 200m. The sides of the pit will be cut in benches to allow for safe working as the depth of the mine increases. Most of the valuable tungsten and tin at Hemerdon can be found within the large deposits of granite which contains veins of quartz / tungsten which can be found and identified by diamond drilling.

Material extracted from the mine will be transferred by a raw feed conveyor that will deliver the material to the primary crusher. The crushed material will then be transferred to the scrubber screen and product screen before the DMS Feed Screen, the process stream then splits into two streams, feeding the primary sinks 01 screen and 02 screen and primary floats screen 01 and screen 02, before being fed onto the secondary DMS screen and to the primary mill sizing screen.

Contract award

Upon award of the contract, the Don Valley Engineering design team, set about designing and detailing each screen to meet the screening requirements of the user requirement provided by the process flow diagram and equipment specification. Each screen was individually designed and one of the screens in particular is believed to be the largest double deck screen to be supplied in the UK by Don Valley Engineering. Measuring 8.1m in length and 4.0m wide the screen has pushed the envelope of screening technology for gross weight, weighing in at some 32 tonnes with a screening surface area of two screen decks each measuring 32m², totalling 64m², designed to minimise the footprint of the plant. The size of this screen is believed to be the largest screen in the UK. Manufactured by Don Valley Engineering the company have produced longer screens and larger throughput rates, but not at this weight or screening design ratio. The unique design of the banana screen (so called because of the curved screen area), allows the design of the feed chute to achieve maximum feed properties, whilst reducing the angle of the screen decks, thus providing maximum screening properties to be obtained over the screening area footprint.



In the second week of June 2014, Don Valley Engineering completed the final logistical stage of the contract. Allowing GR Engineering to meet their obligations to Wolf Minerals and take delivery of the 10 linear screens, delivered on time as per the contract program. The first screens were off loaded and will be stored ready for mechanical installation as per the project program. The large screen required a police escort and was delayed by police for 36 hours to allow the road works on the exit of the M5 to be rearranged to allow the large load to pass safely.



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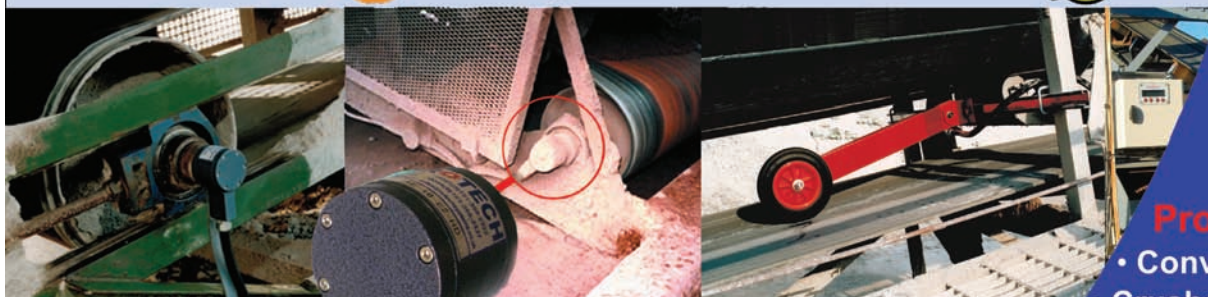
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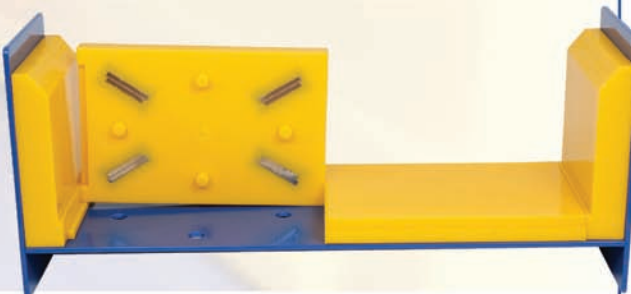
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Mining in remote locations - how equipment manufacturers can deliver processing systems that are fit for purpose

Author: Peter Craven, Head of Marketing, CDE Global

CDE Global have been involved in the design, manufacture and delivery of turnkey materials processing systems since 1992 and work across four sectors - Mining, Construction & Recycling, Specialist Industrial Sands and Environmental . In this paper Peter Craven (Head of Marketing) outlines how equipment manufacturers can meet the demands of the mining industry in the years ahead.

Our experience in the delivery of mining projects across the world in recent years has revealed a number of challenges for us and other equipment manufacturers if we are to continue to provide processing systems that are fit for purpose.

A major challenge for equipment manufacturers in the years ahead will be to provide materials processing systems that are able to be efficiently deployed in increasingly remote locations. There will also be a requirement to process increasingly difficult materials that have been overlooked until now. As our demand for steel, aluminium, copper and silica sands and other industrial minerals continues to increase mining companies are constantly looking for new and improved processing technologies that will allow them to process lower grade ores and industrial sands and produce final products suitable for use in downstream processes.

Another development we have witnessed is an increased focus on staged investment as a means of delivery for new mining projects - designing your plant in such a way as to allow for production to begin in the shortest possible timeframe while planning for further plant and process development. To use the age old adage 'the customer is always right', if mining companies are looking for equipment that can be more efficiently deployed, that can process increasingly difficult materials and that is suitable for staged investment then it is the responsibility of equipment manufacturers to meet these requirements.

In looking at how we can do this I will look at a number of issues which can be categorised under these headings:

1. Built with the application in mind
2. Modularity
3. Intelligent Process Integration
4. A phased approach to design & delivery
5. System adaptability
6. Mobility - without compromise
7. A turnkey approach

1 - Built with the application in mind

Every project presents its own unique challenges. When we look at the raw material there are a several factors which will influence the selection of the appropriate processing system. The quality of the ore is the first issue to consider. In addition to this we need to analyse the level of contamination within the material that needs to be removed. This could be sticky plastic clay that requires a logwasher to provide the necessary attrition. In the case of iron ore processing we will also have to consider the levels of silica and alumina contamination which if they are not removed will lead to inefficiencies in downstream steel production processes. The presence of all of these materials necessitates that every project is considered as a stand-alone system and designed, specified and constructed individually with a full understanding of the requirements of the project.

If we take this to its logical conclusion the response from equipment manufacturers to this scenario should be to produce tailored processing systems for every individual project in order to maximise process efficiency. This represents a major shift from the typical business model for equipment manufacturers - which is to produce a limited range of standard machines that can be applied across a wide range of applications. Using standard machines presents a problem, and requires end users of the equipment to accept that they will have to compromise on performance if they do not intend to run the equipment within the designed operating parameters. .



While the vast majority of equipment manufacturers will tell you that tailoring each individual project is not possible - the reality is that it is entirely possible. Our experience in the mining sector has shown that there are a number of individual considerations that need to be made in order to maximise the efficiency of the final processing system.

The selection of the appropriate screening media is very important - polyurethane is almost always the best match for mining projects but not all polyurethane is equal. Due consideration must be given to the abrasiveness & specific gravity of the material to ensure that the most suitable product is specified.

The choice of lining for any hydrocyclones also requires individual consideration - rubber lining may well be suitable on some materials but others will demand ceramic linings when dealing with highly abrasive mineral ores.

Consideration should also be given to the requirement for additional wear liners at specific points in the system. Easily replaceable wear liners at the feed point will have a positive impact on plant availability by minimising the time required for maintenance.



The appropriate conveyor belt specification will also require individual treatment based on the nature of the material to be processed. Enhanced top cover thickness will enhance wear resistance, maximise plant productivity and reduce costs of operation through a reduction in the spare parts requirement. Staying with conveyors, the inclusion of belt cleaning systems such as tungsten tipped scraper blades will also offer enhanced wear resistance.

The specification of appropriate pumps is also critical in an effort to ensure they will stand up to the rigours of the material to be processed.

2 - Modularity

A rise in the popularity of modular processing systems on mining projects has been evident over the last number of years. One of the major motivations for a move in this direction from our own perspective was a focus on Transfer Point Technology - ensuring the efficient transition of material from one stage of processing to another. The direct result of this approach is to maximise material retention within the circuit and avoid bottlenecks within the system where the discharge point from one processing phase is not optimised for seamless delivery to the next stage.

There are numerous advantages to this approach - greater process efficiency and reduced installation and commissioning time being the most obvious. All of this works together to ensure you are able to start extracting value from your material as quickly as possible.

In most, if not all mining projects there will be a requirement to integrate third party equipment within the processing system so it is also important that designers are aware of the likely connections that will need to be made and consider this very early on in the design process. This will streamline the project design process and ensure that once the system is up and running it operates at maximum efficiency.

The third party equipment that CDE has most experience with when designing processing systems for mining projects are attrition cells, spiral classifiers, decanter centrifuges and filter presses. Through the development of partnerships with suppliers of these systems we can ensure that our focus on Transfer Point Technology does not stop at our own products but extends to this 3rd party equipment as well. As a result of our focus on tailoring each system we are also able to manage the introduction of new equipment to our systems as and when required.

3 - Intelligent Process Integration

Intelligent Process Integration involves the introduction of several different processing phases onto a single chassis. Aligned with the previous point on modularity this allows for transfer point efficiency to be maximised. Additional advantages are a reduced plant footprint which results in a reduced civils requirement. These factors combine to reduce both the time required and the final cost of the project.

When feed systems, screening plant, fines processing, scrubbing systems are all provided as individual stand-alone units there will be a large amount of design time spent on designing civils and support structures to accommodate all of this equipment. Once the equipment reaches site the time taken to mechanically install the plant will be longer than necessary as a result of having to put all of the individual components together.



The reduction in mechanical install time is delivered because all equipment undergoes a complete pre-build to its working position in a factory environment. This is a final quality control step that allows for any fabrication issues to be addressed before equipment is dispatched. Our focus on the delivery of wet processing systems means that this approach extends to ensuring all pipework connections are already established prior to dispatch - eliminating the requirement for cutting or preparation work on site, reducing install time and eliminating the requirement to source this pipework locally either because it has been damaged in transit or is missing from the items delivered to site.

Another significant advantage of integrating several processes onto a single chassis is that all equipment can be pre-wired and tested in a factory environment. Adding to the reduction in time taken for mechanical install, the electrical installation time is also reduced. It also has the advantage of making the electrical connections a design feature of the plant - cable runs and housings are part of the design process which not only improves the aesthetics of the plant but also enhances health and safety on site.

This approach also reduces the requirement to try and find local suppliers of cables and other electrical items - particularly relevant in any discussion concerning how to approach mining projects in remote locations.

4 - A phased approach to project delivery

Through a phased approach to project delivery it is possible to show a return on your investment much more quickly. The start of this process will be detailed discussions with your mining engineers to understand the specifics of the reserve - capacity requirements, likely requirements for future upgrades. This will also involve a detailed analysis of your material in an attempt to understand whether it is possible to kick start a project with a simple processing system which can then be added to as and when required.

For example, a detailed material analysis throughout the reserve will reveal whether there is a seam of relatively clean, uncontaminated material that requires minimal processing. Following this it can be determined at what stage additional equipment may be required - for example a logwasher may need to be introduced to tackle claybound material or to help in the removal of other contaminants. Following this a third phase may be the introduction of primary stage water treatment and tailings management systems.

From an operational perspective the main advantage of adopting a phased approach is that rather than waiting for months on the delivery of a complex processing system, most of which will be under-utilised for a period of time you are able to take delivery of your first phase equipment in as little as 12 weeks. This allows you to begin to show a return on the investment very quickly which helps fund the future expansion of the plant when conditions dictate that it is necessary.

5 - System Adaptability

We have touched on the variability that is inevitable within mining projects and what is required at the outset may change over time. Future developments with your business may require a capacity upgrade to meet a rise in demand for the material you are producing. We may come across an area of your reserve with particularly challenging material that will require the introduction of a new process. Space restrictions on site or future environmental legislation may require the introduction of a tailings management system.

Given this potential for circumstances to change, it is essential that your processing system has the in-built flexibility to respond to these changes. We can't predict the future but through a comprehensive analysis of your material we can identify whether for example there is likely to be a requirement for an additional process to be introduced and when this is likely to happen given your extraction plan for the reserve.

If we have established that your business plan indicates a likely requirement for additional capacity as extraction progresses we will design the civils on site to take this into account - minimising disruption to your operation. We will also bear this in mind when considering the location of the processing plant in the first instance to ensure that once any upgrade is required the original location is still suitable. Another step that we will take is to ensure that the original conveyor specification is fit to cope with the forecasted additional capacity both in terms of belt specification and stockpile capacity.

Similarly, if additional processing equipment is likely to be required this can be considered during the design of the original plant civils. We will also conduct a detailed analysis of the likely future water and power requirement once the additional equipment has been added to make sure that this infrastructure is in place.

6 - Mobility without compromise

Mobile makes sense. As your extraction progresses it makes sense that your processing plant should be able to be moved within the deposit to ensure maximum operational efficiencies are delivered. With a static processing plant this is not possible. As your extraction progresses your operational efficiency is reduced - increased transport movements on site as vehicles have to haul material greater distances to the processing plant,

unnecessary double handling of your material as it is stockpiled at the extraction point before being delivered to the processing plant. By opting for modular equipment which integrates several processes on a single, easily transportable chassis you ensure that your processing plant can be moved quickly and easily within the deposit - or to another processing location - in order to maximise operational efficiencies. This should be done without compromising on the specification of the screens, fines washing plants or logwashers that are included. The creation of a modular product range fit for purpose in mining projects should involve the same specification of equipment as would be included on a static plant.

One of the major areas of compromise on mobile plant is with the walkways - ladders leading to very narrow walkways are the norm on most mobile machines. This makes plant maintenance very awkward, increasing the time and therefore the cost of carrying out plant maintenance. Site health and safety rules may also be compromised.

This is why we believe that even on mobile or portable plant the walkways for access and maintenance should be of the same specification as would be found on a static plant. This ensures that you continue to enjoy all the benefits of a static plant in relation to maintenance access - ease of visual inspection, access to change screen media, replace spray bars, and carry out hydrocyclone maintenance.

The issue of maintenance access is often overlooked when a processing plant is being specified but it is a very important consideration as it is a factor which will have considerable influence on plant availability and delivering the highest standards of health and safety on site.

7 - A turnkey approach

It is evident from the analysis of all the aspects that make up a successful mining project in the 21st century that a much greater level of interaction between equipment manufacturer and the end user is required in order to deliver successful projects. With the many considerations that need to be made there is potential for a huge number of vendors to be involved on each and every project and this requires that a robust Project Management system is in place.

Our own process is split into three distinct phases:

1. Technical Pre-Sales
2. ProMan
3. CustomCare

Each of these phases include large amount of work. In Technical Pre-Sales the elements include process design, equipment selection, mechanical design, civil design and 3rd party equipment integration. As we move into the delivery phase of the project ProMan takes over and includes factory testing, power distribution, risk management, scheduling, budget management, construction management and quality control. Once your plant has been successfully installed and commissioned our



range of After-Sales services are activated including our MasterClass training programmes, service visits, recommended spare parts lists and on-going maintenance contracts.

The effect of being able to offer this complete range of services in addition to the equipment that we provide is to significantly reduce the number of vendors involved in the project, the result of which is a more streamlined project timeline which costs less to deliver. Effective communication is crucial to the delivery of successful materials processing projects and our process provides you with a dedicated single point of contact throughout the project lifecycle to ensure you remain fully informed at every stage of the project. Another advantage of this approach is that it helps to develop both our knowledge of your business and your knowledge of our capability which will allow both parties to explore the potential for further co-operation in the future.

In Conclusion

It is clear to all involved in the delivery of mining projects in the 21st century that there are many complex issues to overcome. The demands of the industry are constantly evolving and it is essential that the products offered by equipment manufacturers continue to evolve. It is equally important that equipment manufacturers develop their processes and approach to project delivery in order to continue to meet the demands of the industry.

In summary, I believe there are 3 main considerations in this analysis of how equipment manufacturers can continue to supply mineral processing systems that are fit for purpose.

1. The individual components that make up a complete processing plant cannot be looked at in isolation and should instead be made up of modular systems with the in-built flexibility to cope with shifts and changes in individual project circumstances.
2. Off the shelf processing systems from a collection of different manufacturers will not deliver the efficiency required of 21st century mining projects. A tailored approach is required with each individual project being built according to the specific requirements of the project - capacity, feed material and potential for future development.
3. Equipment manufacturers must get closer to the project and the end-user and understand the background, the specific objectives and the plans for future development. For most equipment manufacturers this requires a huge shift in the way their business models are constructed. Our business has always been constructed on the principle that direct contact with the end-user is critical to success. We have been delivering projects in this manner for over 20 years and our project portfolio across all the sectors in which we operate is evidence of its success.

This article was developed to accompany a presentation by CDE Mining at the Bulk 2014 conference in England organised by the Materials Handling Engineers Association (MHEA) on 21st May 2014. Further information on the Bulk 2014 conference and the work of the MHEA can be found at www.mhea.co.uk

Best practice guidance for MEWP safety

Earlier this year, IPAF released the latest annual accident statistics generated via their online accident reporting platform. Using these results, Mentor presents a brief look at Mobile Elevated Work Platform (MEWP) safety targeted at some of the main areas for improvement.

Mobile Booms (3b)

According to IPAF's most recent results, almost one half of all reported fatalities in 2013 involved the use of mobile booms. Though their versatile nature makes them an extremely useful tool for working at height, if used incorrectly, they can be extremely hazardous. The following basic safety measures are key to staying safe whilst operating a mobile boom:

Harness and lanyard - IPAF Technical Guidance Note H1/08/12 strongly recommends that a full body harness with an adjustable lanyard is worn when working from a boom type MEWP. The

lanyard should be adjusted to be as short as possible and should only be attached to the manufacturer's identified anchorage points on the equipment and an approved safety harness.

Operator's manual - always refer to the operator's manual for specific guidance on your machine. Every MEWP is different; the manual will provide the best source of information for your particular make and model.

Ground conditions - When positioning the MEWP for use, make sure it is level or can be levelled safely. Check the maximum angle for the machine, don't override angle sensors and always fully deploy stabilisers. Ensure the ground is able to support the weight and that the MEWP is not positioned over old trenches, drains, sewers, manholes or uncompacted backfill. Take care when driving over uneven ground, particularly when the platform is raised, as vibrations at ground level are magnified higher up the platform. Always check

your route prior to commencing the job.

Risk assessment and emergency rescue plan - wherever there is a MEWP in use there must be a risk assessment and rescue plan in place to protect everyone involved. Regulation 4 of the Work at Height Regulations 2005 states that there must be sufficient people on site at any one time who understand and are trained to carry out a rescue plan in case of emergencies.

Training - the best safety measure you can put in place is a trained operator. Mentor encourages companies to ensure that their operators are trained to an IPAF accredited standard. Trained operators will understand how to operate and inspect the machine safely and efficiently, and spot potential hazards prior to and during its use. Managers and Supervisors responsible for overseeing the use of MEWPs can also attend a MEWPs for Managers course to reinforce their safety awareness.

Four common problems examined

IPAF's results highlighted common causes of fatalities across MEWPs of all types, including overturn, falls from height, electrocution and entrapment. Some of Mentor's best practice guidance for avoiding these dangers and staying safe at height is as follows:

Overturn

Correct machine? Many accidents could have been avoided if operators had used the equipment correctly and only for the purpose it was designed.

Wind: The safe operating windspeed limit, noted on the machine, must not be exceeded. Check with an anemometer at ground level and at height and abandon the task if it exceeds the machine capability.

Ground conditions: Take care when travelling/working on uneven or unstable surfaces.

Falls from height

Harness and lanyard: A risk assessment specific to the MEWP, application and operating conditions should always be done to determine whether a harness must be worn. It is strongly recommended that a full body safety harness and fall restraint lanyard are used in a boom or when travelling at height in any MEWP.



Overstretching/overreaching: If the task cannot be reached safely, reposition the machine. If a MEWP doesn't lend itself to the task in hand, don't use it.

Entrapment

Secondary guarding devices: A wide range of devices are available to reduce the risk of operator entrapment including protective cages and alarmed pressure bars.

Emergency rescue plan: Secondary guarding devices are no substitute for training and a well engrained rescue plan. Ensure those working on or around MEWPs have the relevant skills and knowledge to enable them to carry out emergency procedures.

Electrocution

Safe working distances: Electricity can arc through the air to reach you. If operating indoors, be aware of overhead crane "bus bars" etc which carry electricity. Stay at least 15m from power lines on steel pylons and 9m from those on wooden poles (with boom fully extended).

Risk assessment: When working close to a live source of electricity, ensure that everyone in the area is aware of the dangers. Maintain safe working distances and use safety barriers if necessary.

Mentor encourage those working on or around MEWPs to continue to report any relevant accidents to IPAF at <https://ir.ipaf.org/> to enable the industry to continue to work towards the safer use of access equipment.



guidance document at www.mentortraining.co.uk.

For more access equipment safety guidance, including available training courses for the industry, contact Mentor on 01246 555222 and download your free copy of this

Time to shed some light on the world of LED's

LED lighting has seen a massive expansion in recent years. Gone are the days when vehicles had to carry a bank of enormous spotlights just to be able to see the way ahead - today's top-quality LED systems from leading manufacturers like Wilderness Lighting provide massive levels of illumination from light bars that are discreet, long live and unbelievably tough.

But how do you tell the difference between the top-quality lights Wilderness makes and the cheaper stuff on the market? After all, we've all seen bargain-basement LEDs for sale online at what look like giveaway prices.

The simple answer is that with LED lights, even more than with everything else, you get what you pay for. The LEDs themselves are classed by their manufacturers according to the strength of their output, from Grade A for the very best to Grade E for the weakest. All Wilderness Lighting products only exclusively Grade A LEDs.

The LEDs' manufacturers price them according to their grade, so Class A is always more expensive than Class B and so on. This means the only way to make a profit by selling cheap light bars is to use lower-quality LEDs.

All Wilderness Lighting products, on the other hand, come with an industry-leading three year warranty. And they're supported by a proper UK distribution network, so if yours goes wrong, you'll get a 'like-for-like' replacement.

Buy something cheap from an unknown source on the internet, and not only is it much more likely to go wrong, you're much less likely to get the same level of customer support afterwards.

LED lighting technology has come a long way - to the point where established car makers like Volkswagen are now using full LED headlamps in their latest models.

Wilderness Lighting only uses Class A LEDs from Cree and Olson, the top two names in the business - so you can be sure that as well as offering first-class customer service, Wilderness will have the products to go with it.

'We understand that cheap LEDs are out there,'

the company says. 'But you need to understand the difference in the products and back-up.' If you don't, try comparing a Wilderness Lighting product with a low-cost imitation. After that, you'll know exactly what they mean - and you'll never be tempted to waste your money on a cheap LED again!

Health and safety is the biggest issue in the Quarrying world and LEDs can also help in this regard too. The LED light from wilderness lights are using LEDs that give a very White light, this light give more contrast when working at night and also is closer to natural sunlight which the human eye prefers, the Old halogen light gives out a yellow light which we have to adapt to and this tires our eyes and can lead to driver fatigue. By using LEDs this fatigue is no longer an issue and will lead to a safer and brighter working environment. A 55w light gives out around 800 to 900 lumens, one Wilderness Compact light gives out over 3000 lumens. And only asks for 1 Amp at 12 volts verses the 8 amps from the halogen. So if you replace the eight halogen lights with either Wilderness compacts you will save over 50 amps and have over 24000 lumens verses the old halogens 6400 lumens.



10inchDR

Why DO Grade A LEDs Matter?

- They put out more light than lower-class LEDs -even with the same rating
- They don't have to work as hard - so they last longer
- Products using them can be offered with a longer warranty

Why switch to LED?

Over three times brighter than a comparable sized halogen work light.
Uses 1/8th of the Amps of the Halogen light.

The white light provides better contrast when working in the dark.

The white light from LEDs is less tiring to work with than that of the yellow light from Halogens

The LEDs chips are impervious to vibration and do not blow.

Wilderness LED light work on any voltage from 9 - 36 volts without an adaptation required by the installer.

Wilderness Lighting range

A true alternative to Rigid and Vision X -that's Wilderness Lighting, an exciting new name on the EU market. And the new range of Wilderness products brings something totally new, with great features you've never seen before!

7inch round
with DRL 2



ALO-E-2P4

- UK's only IP69K LED lights
- Only 4x10W Class A Cree LED compact at £75
- Only LED with 3-year UK warranty

Toughness is important in lights that are going to be used off-road, and the IP69K rating says it doesn't come any tougher than Wilderness.

The highest protection level available on the international scale, this means the company's lights are 100% dust-tight and watertight even against high-pressure, high-temperature close-range sprays.

Wilderness lights have an average lifespan of 50,000-plus hours and come with a lens that's both scratch-proof and unbreakable. Again, just what you want on an off-road vehicle.

They're easy to fit, too, with simple 'plug and play' connectors featuring surge protection and waterproof switches. They draw a fraction of the power needed by standard lights, while delivering a massive output of pure white light.



As well as the standard black finish, Wilderness lights are available in an attractive marine white - making your lighting more distinctive than ever! The company's range of shapes and sizes is massive too, making them suitable for every kind of application:

- Wilderness Orb: 8.5" round light with Daytime Running Lights. An array of 33 x 3-watt Olson
- White LEDs delivers a massive 8800 LM of light in a choice of three beam patterns
- Wilderness Duplex: A double-row LED light bar in a variety of sizes from 4-50". These are IP69K rated and offer a choice of spot and flood in 4", 6", 10" sizes, plus three-combination light for 20" and above, for the best of both worlds
- Wilderness Solo: Single-row LED light bars in a variety of sizes from 6-50". These are IP69K rated and most models offer a choice of three beam patterns from their Olson white LEDs

Wilderness Compact: Small but powerful multi- purpose lights with arrays of 4x10-watt CREE and 6x5-watt Olson LEDs delivering a choice of flood, spot, driving and diffusing beam patterns. This range includes the UK's first 40-watt Class A LED lighting product at less than £100 - proving that top-quality needn't break the bank!

As a relative newcomer to the market, Wilderness Lighting is currently in the process of bringing fitting kits into stock to suit an ever-increasing variety of plant. The company's quality and value mean it's going places fast and it's currently on the lookout for suitable demonstration vehicles to tie up with, too! Wilderness is constantly building its presence in the UK. It's working hard to get your custom - and that means you can expect great prices to go with a great product! There are good LEDs, and there are cheap LEDs - there are no truly good LEDs at bargain prices but, if you want fantastic value, Wilderness Lighting is definitely the place to go.



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New jaw crushers squeeze costs at J O'Doherty Haulage



J O'Doherty Haulage is benefitting from wide-ranging economic savings after the introduction of two new Terex Finlay J-1170 jaw crushers at their North London based recycling facility.

Supplied by Finlay Plant South East - part of the Finlay Group

of companies - the J-1170s are being used to produce Type 1 recycled aggregate.

Previously a crusher and screener were used to produce the material, but each of the new machines are individually doing the work of two machines - and also proving more frugal in terms of diesel costs.

James O'Doherty, owner of J O'Doherty Haulage, said: "We are really pleased with the machines. They are being used to produce Type 1 recycled aggregate, and previously we had to use a screener in front of our old crusher, but that is not required with this. We can close the jaws down and crush to the floor. The end result is that we need only one machine instead of two to produce the recycled aggregate and as the J-1170 performs well in terms of fuel efficiency we benefit from a double saving. Another advantage is that the machine's pre-screen takes out the fines before they enter the jaw, and that means less wear. We also gain from the service and support of Finlay Plant South East, with whom we have a long-standing relationship."

J O'Doherty Haulage was founded in 1987 by James O'Doherty, originally from County Clare, who started out as a single owner driver. Now approaching 25 years in business, the company has grown from strength to strength, specialising in all aspects of haulage, waste transfer and recycling, as well as skip and plant hire.

The focus of the business is on quality, careful management, and environmental protection - with high levels of customer service - and a commitment to the latest technology to deliver recycled products. James also has a demolition division, Embassy, which operates across London and provides material to produce recycled aggregate.

The J-1170s are the first crushers introduced to the J O'Doherty fleet by Finlay Plant South East. They join Terex Finlay plant provided over the years including three 883s and one 694.

Leon Sheehy, managing director of Finlay Plant South East, said: "J O'Doherty Haulage is seeing considerable financial savings following the introduction of the J-1170s. They are superb machines, which offer outstanding durability, efficiency and value for money."

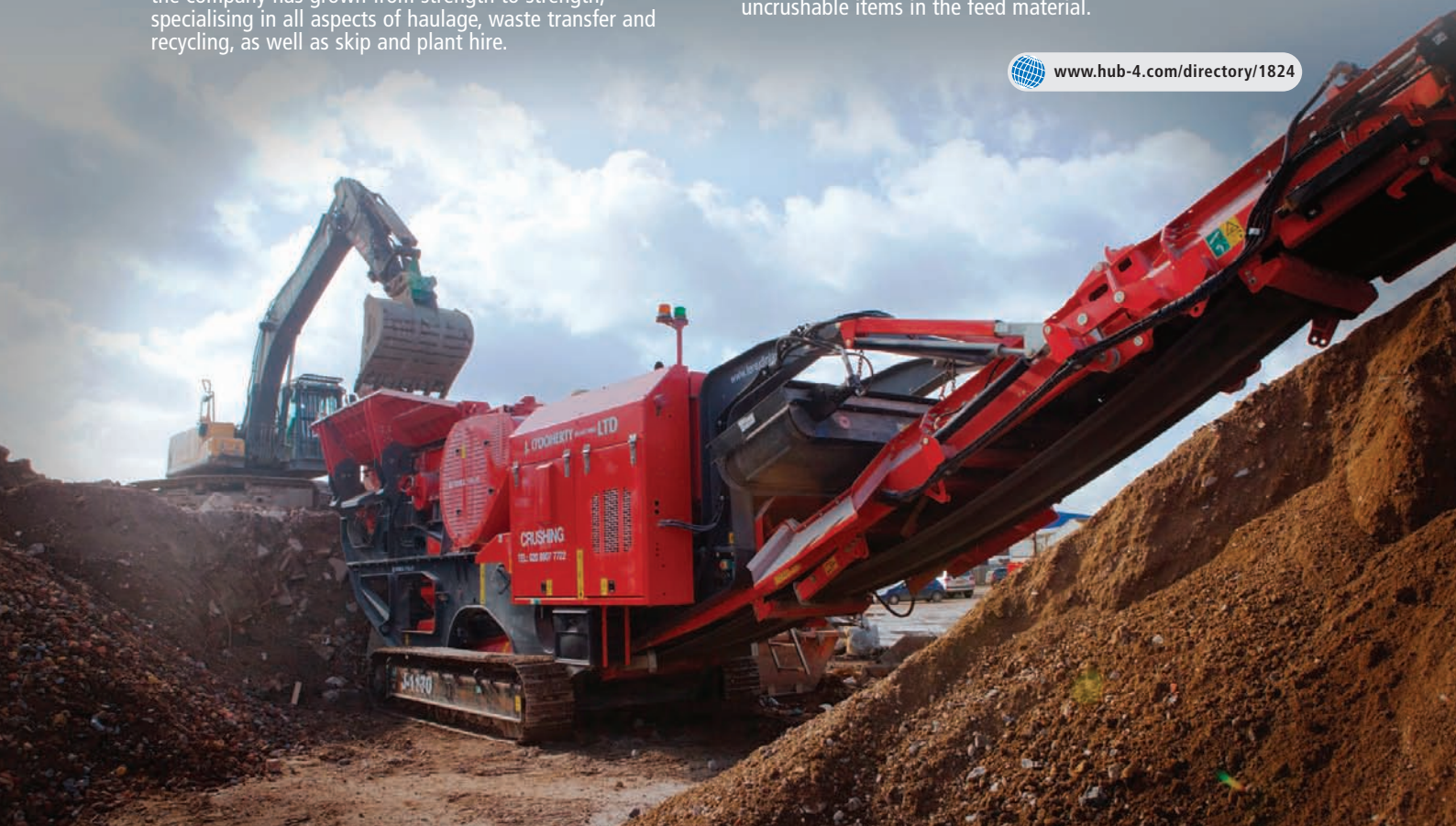
The Terex Finlay J-1170 is a compact and aggressive tracked primary jaw crusher, offering a range of valuable features for the recycling and quarrying industries.

At the heart of the machine is a robust hydrostatically driven Terex jaw chamber, which provides high capacity with large reduction ratios. The jaw chamber configuration can be set up specifically for either processing construction demolition debris or quarrying applications. It also features a heavy duty variable speed VGF and integrated pre-screen giving excellent production throughput. Notable options include a variable speed pan feeder along with an independent pre-screen system.

Furthermore, its compact size, quick set up times, ease of transport and user friendly operational features make the J-1170 ideal for operators of all sizes. The jaw chamber is also available with optional hydraulic release, of value when crushing construction and demolition debris, due to an automatic overload protection system preventing damage by uncrushable items in the feed material.



www.hub-4.com/directory/1824



Renewable Energy Powers Latest BlueMAC MRF Installation

Woodford Recycling Services Ltd, based in Huntingdon, Cambridgeshire has recently installed the latest MRF to be designed and built by BlueMAC, supplied by Blue Machinery Central. What makes this new and extremely efficient materials recycling facility so unusual is that it is believed to be the very first installation of its kind to be powered by on site generated renewable energy, producing what is effectively a complete recycling loop. Through its subsidiary Woodford Waste Management Services Ltd and Arevon Energy (who operate the biogas operation on site) the total source of power is provided for the entire plant, with 1 Megawatt also exported to the National Grid providing enough electricity to supply 1500 homes.



Mark Farren owns Woodford Recycling Services Ltd, starting the business in 2010. Rational yet spectacular growth has seen Mr Farren's operations encompass a national waste brokerage service, skip hire, wood processing, crushing, screening and waste processing with the latter achieving an 85% recyclables recovery rate from incoming waste streams. Employing 20 personnel and covering Cambridgeshire and the surrounding areas, Woodford Recycling Services decided to source a new MRF from BlueMAC as part of a £2M investment to increase its efficiency and capability in recycling and reclamation whilst further improving vital and environmentally desirable tip-to-landfill reductions. "We

looked at other potential suppliers as well as BlueMAC" said Mark Farren "but we were highly impressed with the design and robust build quality of the BlueMAC offering, as well as Blue Machinery's in-depth knowledge and experience in designing and installing waste recycling plant, with over 140 already at work throughout the UK. We visited the BlueMAC factory to discuss our requirements and the design and engineering capabilities we saw there gave us total confidence in making our investment with the company."

The MRF was designed to be installed in Woodford's brand new under cover premises in Huntingdon, providing a compact yet efficient materials flow from incoming waste



stream to final separated and clean recyclable products. A belt feeder conveys the material to an 8.5m long X 2.5m diameter trommel screen, which features a split drum of 20mm mesh at the front for extracting -20mm fines and a 40mm screen mesh for the 20mm-40mm hardcore. A rightangle turn takes the material on to a blower for "lights" removal and thence on to the bespoke picking station, which is to commercial standard with plugs, lighting and heating all standard with BlueMAC, providing a safe, comfortable and productive working environment for the picking teams. The picking station is a 5-bay, double sided configuration with five drop chutes for "valuables" such as non-ferrous metals. The conveyor then

takes the remaining hardcore under an overband magnet for ferrous metals removal, before a secondary final blower gives the material a last clean-up.

Woodford Recycling's BlueMAC MRF is designed to achieve a throughput of 20 tonnes per hour which provides an additional and future-proof capacity for Woodford Recycling as their anticipated growth continues and they strive for an eventual 100% diversion from landfill.

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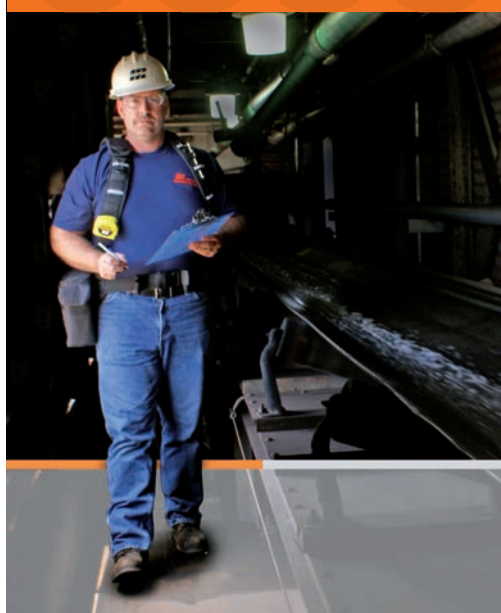
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AGG-PRO supply the new McCloskey J45PS mobile tracked recycling / primary jaw crusher to Mainsway Ltd

Aggregate, Processing and Recycling Ltd, (AGG-PRO) exclusive central UK distributor for McCloskey mobile crushing and screening machines have recently supplied a J45PS mobile tracked recycling / primary jaw crusher to waste recycling specialist, Mainsway Ltd of Merseyside.

Mainsway Ltd provide a professional and reliable service in skip hire, tipper hire, recycled aggregates and waste management services in Liverpool and the surrounding areas. Established in 1984, Mainsway are a family run business offering skip hire, tipper hire, grab hire and operate a fully licensed waste transfer station where waste is sorted, segregated and recycled. They are currently recycling at least 85% of the waste, thereby reducing the amount of waste sent to landfill sites.

The McCloskey J45PS

The newly launched McCloskey J45S supplied to Mainsway Ltd has a superb build quality and features a high efficiency process system. Driven by a 350HP C9 power unit the J45S has proven to be extremely effective as a recycling/primary crusher. Featuring a 45" x 27" (1200 x 700mm) single toggle jaw crusher mounted on an I-beam plate fabricated chassis, the specification includes an integrated hydraulic folding hopper and integrated hydraulic folding stockpiling conveyors. An open chassis design allows ease of maintenance with a large gap between crusher discharge and main conveyor feed boot. The machine has a fast set-up time and has numerous features including:

- Main conveyor hydraulic lower and raise system
- Main conveyor variable speed control
- Hopper extensions
- Overband magnet
- Water pump and dust suppression
- Crusher deflector plate (belt protection)
- High level side walkways
- Separate independent 2-deck pre-screen

This latest addition to the Mainsway operation will provide the necessary 'muscle' for their waste recycling operations.

Arthur Bradshaw- Director, commented, "We trialled a number of machines that were available in the market and it was apparent that this machine with its superb build quality offered our company the capability and functionality we required. We also have the back-up from the AGG-PRO team and feel very secure that we have a professional parts and service package in place."

The new McCloskey J45S was exhibited on the AGG-PRO stand at the recent Hillhead exhibition in June.



www.hub-4.com/directory/33

Day Group ramps up volume with new Trackstack Barge Loader

Finlay Group has introduced its first Trackstack plant into the country, with the installation of a fast volume loader/unloader at Day Group's glass recycling operation.

The VL1000 is taking recycled glass directly from tipper trucks on to a barge on the Thames via a Trackstack 13.5 metre conveyor.

Supplied by Finlay Plant South East - part of the Finlay Group of companies - the machine is based at Day Group's Murphy's Wharf recycling depot, based in Charlton, one of the UK's largest recycling centres.

Adam Day, of Day Group, said: "The machine is working brilliantly. We previously used a long reach excavator, but it could not deliver the volumes we can now achieve. As well as speeding up the process we save on the cost of an excavator, and the fuel and labour, by operating this system. The V1000

is currently running at 600 tonnes an hour, although there is the potential to run at up to 900 tonnes an hour if required. As well as sending out recycled glass, it has also been running with recycled aggregate. The incoming material is loaded seamlessly from the truck straight to the water. It's proving very reliable, and we value the service and support we get on site from Finlay South East, and their help with the procurement and commissioning."

Established by the late John Day, Day Group has been supplying natural and recycled aggregates to the construction and civil engineering industry since 1974. The glass recycling business has been operating for the last 12 years and exports over 30,000 tonne a year.

John's son, Alan Day, is Chairman of the business, and he is supported by his four sons who all work for the Group. Day Group has benefitted from major investment in state of the



art recycling plant and associated facilities over the years. The company has a long-standing relationship with Finlay South East - regularly hiring machines from the plant hire arm of the business.

The Trackstack has been built to a bespoke specification to meet Day Group's exact needs. Leon Sheehy, managing director of Finlay Plant South East worked with Day Group to introduce the machine on the site.

Leon said: "As part of the installation process, we worked closely with Day's site manager to find out the company's exact needs. Features including redesigned load-up ramps for the lorries, covers and enclosed spillage boards were all introduced. The sheer price of fuel in operating machinery to move material, and labour costs, makes a compelling case for the introduction of the Trackstack bulk handling system in this type of environment. As well as glass, the machinery can handle a broad range of material, and it is versatile, highly mobile and quick to set-up."

The Trackstack VL1000 is a low-level receiving hopper, featuring a radial boom conveyor fitted onto a single track mounted chassis for ease of movement and rapid set-up time. It features a 130Hp (100Kw) Caterpillar 6 cylinder engine, 4.5 metre wide Horizontal Receiving Hopper, which feeds onto a 1.2 metre wide, 15 metre long radial discharge with a 120

degree radial slew. There is also the option of a 9.5 metre or a 13.5 metre discharge conveyor, as supplied at Day Group. The VL1000 can be fed by wheeled loader, excavator or tipping truck and can be used to load barges, trains and for stockpiling. It can also integrate with the Tesab range of crushers and screeners.

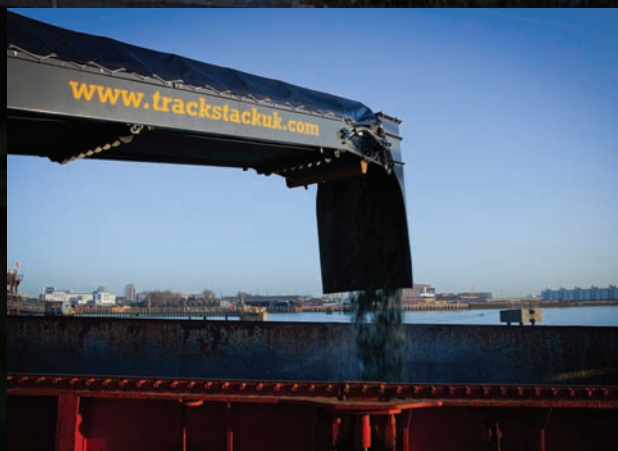
The full range of Trackstack loaders and unloaders includes the 6542TCL for containers and vessels, and the 802TDF with a direct feed hopper.

Finlay Group recently announced it was moving into new markets after securing the dealership for Trackstack in England and Wales.

Manufactured at a five-acre facility in Omagh, Trackstack is part of the world renowned Tesab Group, and the machinery has been used around the globe with the products constructed to a 'built to last' ethos, with a strong emphasis on quality.

As well as being available to buy, the Trackstack products can be introduced on to site through Finlay Hire.

A fast replacement parts service is also available from Midlands-based Sure Equipment Spares (SES).



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Managing Director
at O'Donovan Waste Disposal.

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Andy Yeomans
Business Development Manager
at Jones Skip Hire.

"The installation was hassle free, and we are delighted with the quality and the performance of our Kiverco plant. We are really impressed with the Kiverco aftercare service, and would recommend Kiverco Plant."

Frank Gordon
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New 883 Spaleck Fires Up Recycling Operation At Johnsons Aggregates and Recycling

Johnsons Aggregates and Recycling has introduced a high-speed Terex Finlay 883 Spaleck to power through the processing of incinerator waste ash.

The waste product is being put through the machine at the company's site in Nottingham, to produce road construction materials.

Supplied by Finlay Central - part of the Finlay Group of companies - the Terex Finlay Spaleck is transforming processing activity on site with its power and performance.

Central to the machine's exceptional capability is the two-deck German designed and constructed screenbox. The heavy duty vibrating screen offers nearly blockage-free screening in the upper and lower deck thanks to tried and tested 3D and Flip-Flow technology. The 3D screening segments guarantee correct grain size with no long pieces or extraneous material for the tension shaft screen on the lower deck, while the Flip-Flow screen - featuring screwless mounted screen mats - avoids unnecessary cleaning.

By combining two system solutions in one machine, the 883 Spaleck offers significant savings on conveying equipment, steel structures and space.

At Johnsons Aggregates and Recycling, the Terex Finlay 883 Spaleck is products sized 10 mm down, 10 - 50mm and 50 mm up.

Steve Johnson, director and founder of Johnsons Aggregates and Recycling, said: "It's exactly what we want. The machine is versatile and can process extreme products that typically struggle through conventional screens. The additional vibration enables the waste ash material to release itself, so it avoids clogs, and it also handles the product's abrasive consistency. The self-cleaning mechanism is also very useful."

Neil Bailey, Sales Engineer of Finlay Central, said: "The Terex Finlay 883 Spaleck's processing capabilities and application flexibility make the machine an 'all in one' mobile solution for processing difficult waste, including recycling, slag, C&D, shredded metal, wood, compost, mulch, ores, coal and soil. It's delivering really exceptional performance out on sites."



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Precia-Molen maximise the beer duty refund for Marston's

Marston's a West Midlands brewery has started to ensure that they minimise their beer duty by claiming a refund on the 'dregs' from their returned kegs and casks. Known as 'ullage', this is often only thought of as a beer unfit for consumption but has quite a wide definition. With duty being paid on all beer leaving a brewery it seems sensible to reclaim any duty on beer which is returned.

Before sterilising the casks and kegs prior to being filled with fresh product, any beer remaining in the container is emptied and collected in a trade approved (ullage) vessel. This procedure then allows the weights, and therefore the volumes to be recorded and any beer duty previously paid can then be re-claimed.

With a current maintenance and calibration contract in place with Precia-Molen, Marston's placed an order for them to upgrade the current system. Precia-Molen supplied a new stamped ullage 'return' vessel and replaced all the indicators on the holding vessels. A platform scale was also supplied to compliment the ullage vessel.

The Marston ullage vessel is basically a tank on load cells which is calibrated for trade use and recalibrated on a regular basis under the contract previously mentioned. Precia-Molen redesigned this vessel to incorporate four load cells, and oversize foundation plates which facilitate the regular use of a force calibration rig to recalibrate and complete the reverification of the vessel for trade use. A model I200 weight indicator was also supplied to complete the installation.



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New 3D Sieve Shaker OCTAGON 200CL

For precise, reproducible and error-free sieving processes

Endecotts' new Octagon 200CL competes with the most advanced sieve shakers in the world. Several unique features have been developed specifically for this machine, including the 'Closed Loop' amplitude control for ultimate reproducibility.

The sieve shaker is powered by an electromagnetic drive which has no rotating parts making it maintenance-free and extremely quiet in operation. The vibratory, three-dimensional motion produced by the power unit moves the sample over the sieve in a unique way resulting in faster, more efficient sieving, while the rapid vertical movements help to keep the apertures from blinding.

The Octagon 200CL is designed to work with Endecotts' SieveWare, the new software for easy evaluation and documentation of the sieving process.

The new Octagon 200CL will be available as of July 2014.

NEW FEATURES:

- 'Closed Loop' total amplitude control ensures reproducible sieving
- Digital controls for easy and reliable operation
- Easy-to-use sieve clamping system
- Accepts up to 8 full height 200 mm (8") diameter sieves
- Suitable for dry and wet sieving
- 3D sieving motion allows for high separation efficiency and non blinding sieving action
- Full compatibility with new SieveWare evaluation and control software via RS232 Port (printed or digital protocols)
- Voltage-independent

www.endecotts.com/octagon-cl



www.hub-4.com/directory/9238

Glen Creston's process and laboratory machinery

Process engineers should be particularly interested in Glen Creston's Roller Crusher mill due to its ease of inclusion into process lines.

This rugged, slow-running mill is equipped with either a single or double roller shafts fitted with crushing cams which rotate between crushing and stripping combs. Different shaped crushing elements are available depending on material.

The Roller Crusher is particularly suitable for de-agglomeration of materials from sacks or silos, pre-crushing softer minerals and for granulating coarse lumpy, caked or compacted materials into more manageable lump sizes.

Features include:

- Robust construction
- Minimal maintenance
- Compact design allows retro-fitting into existing process lines.
- Parts easily removed for maintenance/repair

Suitable for:

- Pigments and Resin
- Food and Pharmaceutical
- Coal
- Waste materials and Ash
- Minerals

OPERATING PRINCIPLE /CONSTRUCTION

The crushing cams of wear-resistant steel are mounted on the roller shaft in staggered positions, accurately spaced so that they pass between the crushing and stripping combs which are mounted laterally on opposite sides of the inner housing. Both sets of combs are identical in design but have different functions.

The bearing plates at both ends of the housing accommodate the roller bearings, protected by radial seals, in which the shaft rotates. These bearing housings can be offered in extended mountings to allow for cooling when processing high temperature materials such as power station ash. The second shaft of the Double Roll Crusher is driven by grease-lubricated gear wheels on the outside of the housing.

For more information on the Roll Crusher, please visit <http://www.glencreston.com/products/light-industrial-machines/roll-crusher-mill.aspx>



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A global leader in conveyor safety technology offers a suite of products and services to protect workers from fast-moving rollers and belts, helping bulk material handlers maintain safer and more productive operations. The components and training from Martin Engineering can be used alone or together to help prevent accidents and injuries, reducing risk while benefiting productivity.

Designed to prevent workers from being drawn into a moving return roller, the Martin® Return Roller Guard is an economical way to raise safety awareness and reduce injuries. The solid upper section delivers pinch point protection, and the slotted lower area allows visual inspection while preventing contact with the roller.

Installation is straightforward, with brackets included to mount the guard directly to either the side or bottom of the stringer. Quick-release pins allow easy service, with side and bottom panels that swing open for cleaning or maintenance, and removable end plates provide access to roller bearings. The guards are designed to fit all major roll manufacturers' sizes (CEMA C, D & E). Installation is recommended on all return rollers that are less than 7 feet (2.13 meters) from the ground, or in locations where the roller is otherwise within reach of workers.



The Martin® Return Roller Guard delivers pinch point protection, allowing visual inspection while preventing contact with the roller.

The Martin® Return Roller Basket is designed to prevent a return roller from falling in the event of a mechanical failure, recommended for rollers that are more than 7 feet (2.13 meters) off the ground and out of reach for any workers. The combination of guards and baskets provides a systematic approach to conveyor guarding that's easy to use and safety compliant.

Like the Return Roller Guard, slotted panels allow easy inspection, while keeping workers protected. Brackets designed to fit all major roll manufacturers' sizes are included to mount the basket directly to either the bottom or side of the stringer. Quick-release pins allow easy access, and side panels swing open from either top or bottom for cleanout or service. Both the roller basket and guard are available in painted steel and two grades of stainless steel.

Martin® Conveyor Guards simplify conveyor guarding to improve plant safety and productivity. The heavy mesh guards allow easy inspection, while keeping moving components and pinch points isolated from workers. The rugged modular design is supported by a supplied angle iron structure, and attachment to the conveyor equipment is not required. Installation is straightforward, with wedge clamps that allow panels to be removed and re-installed quickly.

The guards conform to OSHA 29 CFR 1910.217 when installed with a minimum of 5.5 inches between the guard opening and hazard. Available in a range of sizes from 24" x 24" (610 mm x 610 mm) to 36" x 50" (914 mm x 1270 mm), they feature a universal design that can be used in a variety of combinations to fit almost any application. Systems can be easily expanded or relocated as needed.



Martin Conveyor Guards simplify conveyor guarding, allowing easy inspection, while protecting workers from moving components and pinch points.



The Return Roller Basket was developed to prevent a return roller from falling in the event of a mechanical failure.



The Foundations Workshop series teaches bulk materials handling personnel how to operate and maintain clean and safe belt conveyors.

Safety Training

Martin Engineering has expanded its Foundations™ Training Program on the design and development of more productive belt conveyors to offer three customizable seminars. Training is available to suit individuals with varied levels of experience and responsibility from new hire to senior engineer.

Attendees attain a better understanding of conveyor safety and performance, helping to justify upgrade investments and increase profitability.

The Foundations Workshop series has been teaching bulk-materials handling personnel how to operate and maintain clean and safe belt conveyors for nearly twenty years. All programs offer the opportunity for customization/localization to feature specific images, conditions and problems from the customer's site. Programs are flexible as far as location and length. The presenters are highly trained and have many years of hands-on experience around conveyor systems. These industry experts keep the programs lively and interesting, while giving attendees a new outlook on conveyor operations.



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