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A Brief Word...

Well, now that the hangover is gone and your New Year's Resolution are being ignored, what does 2015 have in store?

Anyone who has read this editorial over the past year has heard me predict that we are in for a rough economic ride, and 2014 passed without any major hiccups (I am happy to be wrong!).

Now, with oil prices falling and Chinese demand flagging, Canada, Australia and other resource-based non-value-added economies are set to take a hit. Governments at all levels see falling tax revenue and, fearing the power of the public sector lobby groups, they raise taxes or create new ones rather than taking on the hard task of balancing a budget.

What does this mean to the equipment sector? Inertia will carry us so far into the year. I expect that as prices increase buyers will be more wary, so non-traditional brands may become popular. Competition for work will become cut-throat and those of you who don't grow into new sectors and services will be hit the hardest.

InfraStructures will bring you news of innovation and new product ideas that may allow you to make the change and get the jump on the pack. Be a leader and stick with the industry's leading publication to help you forecast your fortunes.

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On the cover:

with spring just around the corner, and the World of Asphalt / AGG1 trade show to be held in March, we picked an image that should make you forget – for a moment – the frigid temperatures and blizzards that we still have to endure for a few more weeks.

BRANDT TRACTOR ENDORSES SASKATOON FOR STRONG ECONOMY

After 23 years of service to the Saskatoon and Northern Saskatchewan construction and forestry industry from their location on Millar Avenue in Saskatoon's North Industrial area, Brandt Tractor is excited to announce that their Saskatoon branch is moving to a brand new home. The all-new facility represents a major vote of confidence by the company in the con-

tinuing strength of the Saskatoon and area economy and its growing industry base.

"As one of our original locations, this has always been an important market for us and our new facility was created from the ground up with the needs of the industry in mind; allowing us to serve our customers better than ever before," says Shaun Semple, Brandt president. "Delivering powerful value to the construction and forestry industry has always been our key

focus and we're affirming our commitment to the city, the province and the industry with this bigger, better location."

Built with a focus on energy-efficiency and environmental sustainability, Brandt's high-performance new branch delivers numerous advantages to Saskatoon and area contractors, starting with its easy-access 52,600 m² location (including a dedicated load/unload facility).

The new facility will give local businesses access to a greatly expanded service department and on-hand parts and wholegoods inventory.

"We're proud to be a part of the Saskatoon success story," adds Saskatoon branch manager, Rod Bowes, "and this is all about continuing to build that success by delivering what the Saskatoon and northern Saskatchewan market wants and needs. As of today, we're better equipped than ever to do just that."

Source: Brandt Tractor Ltd.

BRANDT ANNOUNCES THE ACQUISITION OF ON GRADE INC.

Brandt is pleased to announce that as of January 9, 2015, leading Atlantic Canada positioning solution supplier On Grade has been acquired by Brandt and will be joining its Atlantic Division.

With the acquisition of On Grade, Brandt's Positioning Technology Division is now able to provide its customers with even greater access to sales and service for surveying equipment, positioning systems and machine control products from top manufacturers. On Grade has been the exclusive distributor for Topcon Positioning Systems products for Atlantic Canada since 2001, making it an ideal addition to the Brandt team. With its commitment to customer service and expert sales and technical staff, On Grade has built a reputation as a top choice for GPS, Lasers, Total Stations, Machine Control Automation, and supplies.

Brandt will now have 3 more locations to serve its clientele's needs in Atlantic Canada, with stores in Dartmouth, Nova Scotia; Dieppe, New Brunswick; and Paradise, New Foundland and Labrador.

To ensure uninterrupted service for all of our customers in Atlantic Canada, we are pleased to be adding all of On Grade's personnel to the Brandt team – familiar faces who understand your business and are looking forward to continuing to serve



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you. Bob Bishara will move into a new role as Branch Manager for Brandt's Positioning Technology Division in Atlantic Canada. Mike Babarick and Bill Penny will offer their expertise to their customers in sales manager roles and Scott Casey will join the Brandt team in Engineered Services.

Brandt is very excited to expand its commitment in Atlantic Canada and looking forward to continuing to deliver powerful value their customers.

Source: Brandt Positioning Technology

AIR LIQUIDE TO BUILD A NEW OXYGEN PIPELINE IN HAMILTON

Air Liquide Canada is pleased to announce the construction of a new oxygen pipeline in Hamilton, Ontario, with the support of Horizon Utilities and the Ontario Power Authority's saveONenergy Program. The pipeline will be built between Air Liquide's air separation complex and the ArcelorMittal Dofasco plant in Hamilton.

The new pipeline represents a total investment in excess of \$12 million, jointly funded by Air Liquide and the Ontario Power Authority's saveONenergy Program. The new pipeline will reduce electrical energy consumption at Air Liquide's Hamilton operations by almost 29,000 MWh/y or \$2 million annually. It will allow Air Liquide to more efficiently supply ArcelorMittal-Dofasco with oxygen, which is essential in the production of iron and steel. Access to lower cost oxygen will provide an opportunity for increased productivity of ArcelorMittal Dofasco's blast furnaces.

A large part of purchased goods and services required to build the pipeline will be sourced from local Hamilton area companies. Construction will begin as soon as final approvals are received from the City of Hamilton and commissioning of the pipeline should begin in March 2015.

Adam Peters, president and CEO of Air Liquide Canada, commented: "The support of the Ontario Power Authority's saveONenergy Program allows Air Liquide to build a new oxygen pipeline to more efficiently supply ArcelorMittal Dofasco. In doing so, we are expanding a

long-standing business relationship with Canada's largest flat rolled steel producer. The project attests in the ability of Air Liquide to reliably and cost-effectively supply industrial gases which meet high safety and quality standards. It reaffirms our strong determination to keep investing and growing in Canada."

"We are pleased that Air Liquide's project has been selected for this critical grant. Our supply chain, those organizations

that play a role in our success including our customers and supply partners, are critical to our business. To ensure a healthy supply chain, we focus on continuous improvement and look for it in everything we do and in everyone we work with. Air Liquide's oxygen pipeline project brings increased reliability and efficiency to our partnership, a win for both of our organizations and for Ontario," said Brian Benko, ArcelorMittal Dofasco's vice president,

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"We are pleased to partner with two of Horizon's largest customers, Air Liquide and ArcelorMittal Dofasco, on this project to reduce energy consumption in the communities we serve. Our customers are recognizing the benefits of energy efficient solutions by making substantial long-term investments to better manage their electricity costs while showing a commitment to being environmentally conscious,"

commented Max Cananzi, president and CEO of Horizon Utilities.

Source: Air Liquide Canada

B2W SOFTWARE REACHES FOR THE SKY WITH COMPREHENSIVE CLOUD SERVICES FOR CONSTRUCTION INDUSTRY

B2W Software recently announced its comprehensive cloud solution – B2W Cloud. The company has embedded its entire Operational Networked Elements

(ONE) platform into the cloud to create an easy-to-use and flexible mobile tool that gives construction professionals anytime, anywhere access to core business data with the highest levels of uptime, security and scalability. In addition, B2W's cloud offering was also recently recognized by the 2014-2015 Cloud Awards Program, within the Best Cloud Hosting Provider category.

The ONE offering, which includes its Estimate, Dispatch, Track, and Maintain elements – networked in a single, unified platform – gives construction personnel and executives mobile device (tablet and smartphone) access to real-time data right on the construction site and beyond. This ubiquitous access to all information results in more informed decision-making, deadline adherence and maximized profits.

"The B2W Cloud enhancements make it easier for decision makers to access and leverage data anywhere, regardless of location," said Paul McKeon, CEO of B2W Software. "All critical data from estimates to equipment maintenance, can now be securely delivered via the cloud; there's no need to toggle across multiple silo'd products with inconsistent information. Now on-site workers can make immediate, informed decisions based on real-time information."

In addition, B2W Cloud offers a multi-layered security system to guarantee confidentiality, integrity and availability. The offering is fully SSAE compliant and ISO audited for statutory and regulatory requirements. All data is updated and secured within B2W's data center – eliminating worries over IT maintenance and reliability. This frees IT departments from time-consuming building, management and maintenance of servers and applications.

"Lafarge is a world leader in building materials," said Eileen Klingbeil, PAVE Systems manager. "As a top-ranking player in the Cement, Aggregates and Concrete businesses, we decided to move to the cloud to give us better system performance. B2W Cloud allows us to



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Source: B2W Software

FIRST DRILLING GROUP ACQUIRES KIRKEY SPECIALIZED DRILLING & CONSULTING

First Drilling Group recently announced that it has acquired Kirkey Specialized Drilling & Consulting, located in Sudbury, Ontario. The drilling contractor provides surface and underground specialty drilling and production drilling services.

This acquisition represents a key step in the execution of First Drilling's strategic plan, as the company expands both geographically and in its service offerings.

"In acquiring Kirkey Drilling, we are expanding our geographic footprint into Canada, one of the largest underground drilling markets in the world," says Kyle Rhoderick, CEO of First Drilling Group. "We are also diversifying our services to add specialty underground drilling, primarily infrastructure, long hole and raise drilling."

Kirkey Drilling will benefit from the knowledge and financial resources of a large global organization. "In joining First Drilling Group, we will be able to propel our growth into global markets beyond our home base in Sudbury," says Matt Farr, who with his partner, Bill Hancharyk, started Kirkey Specialized Drilling & Consulting in 2007.

In a testament to the skillset of the owners and their commitment to the strategic vision, the management team at Kirkey Drilling will remain intact, ensuring continuity for their customers and strengthening the First Drilling leadership team.

"We are fortunate to find in Kirkey Drilling shared values with First Drilling, strong leadership from which we can mutually benefit, and an excellent safety record," says Mr. Rhoderick. "Our two organizations are a perfect fit."

The acquisition brings additional drills to the fleet at First Drilling Group. Kirkey Cubex drills will expand the Cubex fleet that First Drilling currently has across the U.S.,

Australia and South Africa. Underground production drills, and Kirkey's unique excavator mounted surface percussive drills will add new capabilities.

The Kirkey Drilling team will also benefit from adding the unique First Drilling capabilities to their service offering in Canada, including underground reverse circulation drilling, underground multipurpose drills, and underground and surface diamond core drilling.

With this acquisition, First Drilling Group will be actively supporting the mining market locally in Sudbury and in other parts of Canada.

Source: First Drilling Group

MCW GROUP OF COMPANIES & HEMISPHERE ENGINEERING PREPARE TO JOIN FORCES IN ALBERTA

The MCW Group of Companies and Hemisphere Engineering Inc. announced recently that they are in late-stage negotiations to form a new engineering entity in Alberta.

"Very early in the new year, we expect to conclude the ongoing talks between MCW and Hemisphere to create a new made-in-Alberta entity with strong national support," said David Bellamy, executive partner of the MCW Group of Companies.

"Both Hemisphere and MCW have a long and proud tradition of mechanical and electrical engineering excellence. MCW marked its 50th anniversary this year, and Hemisphere marked its 57th. Our businesses are good complements for each other, and the marriage of our two firms is a natural fit. It will expand opportunities for our employees and bring significant benefits to our clients in Alberta and beyond," added John Chomiak, president and CEO of Hemisphere Engineering Inc.

"Joining forces with Hemisphere gives us the opportunity to add talented employees and desirable customers. And it significantly expands our Western Canadian presence. When this transaction is complete, we will have five offices in the West – in Vancouver, Kelowna, Calgary, Edmonton, and Winnipeg," said Greg Lord, managing partner of the MCW Vancouver office. "With this size and reach, MCW is absolutely unique in the Canadian marketplace given our strict focus on mechanical and electrical engineering. Hemisphere will strengthen all our service offerings, including building services consulting

Hirschmann Improves Performance of Compression Load Cells

Hirschmann MCS has improved its fSENS DKA compression load cells for measuring static or dynamic forces of up to 700 kN. Developed in close collaboration with customers, the load cells are suitable for a wide range of applications such as capturing counterweight loads in lifting gear or measuring pressures in aerial work platforms. The series features two different housing sizes for four different measurement ranges.

The design of these small, compact sensors has proven its value. They are made entirely of corrosion-resistant stainless steel containing more than 15% chromium and engineered to be extremely robust, maintenance-free, and resistant to dust and water spray in compliance with IP 66/67.

All of the new models feature a mounting plate that is flexibly attached directly to the measurement spring. This enables automatic alignment of the sensor body and more precise measurement of oblique loads. The resulting benefit depends on the magnitude and direction of the force. The load cells self-regulate at oblique loads up to $\pm 3^\circ$, i.e. loads applied at oblique angles up to 3° are measured as if they were vertical.

To meet specific requirements, the load cells can be configured for different forces, output signals, or redundancy. As a standard feature, all models can be connected to external amplifiers via a shielded cable. The fSENS DKA compression load cells can also be redundantly executed on request.

Source: Hirschmann Automation and Control



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engineering, energy management services, power engineering, and building systems commissioning services."

Source: MCW Consultants Ltd.

STUART OLSON INDUSTRIAL GROUP AWARDED \$100 MILLION IN NEW CONTRACTS

Stuart Olson Inc. recently announced that its Industrial Group has been awarded approximately \$100 million in new contracts.

The projects include provision of complete mechanical, electrical and instrumentation services to a major mining company operating in the Northwest Territories. The Company also secured a large electrical contract with an established client for work at an oil sands site in Northern Alberta.

"These two awards further strengthen our backlog and represent significant wins for our Industrial Group," said David

LeMay, Stuart Olson's president and CEO. "The mining contract will help to expand our mechanical initiatives, while the electrical contract expands our longstanding relationship with one of our large energy company customers."

Work on both contracts is expected to commence in 2015 with completion dates extending into 2016. The contracts will be added to the Company's backlog in the fourth quarter of 2014.

Source: Stuart Olson Inc.

WORLD PREMIERE OF MERCEDES-BENZ METRIS SET FOR THE WORK TRUCK SHOW®

The Mercedes-Benz Metris midsize van will make its world premiere at The Work Truck Show® 2015. It is one of more than 100 new commercial vehicles and related products set to debut at North America's largest work truck event. Additional chassis OEMs with press conferences scheduled

at the event include Ford Commercial Vehicles, Ram Commercial, Freightliner Trucks and International Truck. More than 60 other exhibiting companies also have announced plans to introduce their latest equipment and technology at the Show.

The Work Truck Show 2015, produced by NTEA – The Association for the Work Truck Industry, will be held March 4-6 in Indianapolis, Indiana. Educational programming, including the Green Truck Summit, begins March 3.

The New Product Spotlight program gives Work Truck Show attendees the chance to learn about the hottest new products at the Show even before the doors open. Once on-site, attendees will not only have the opportunity to see new products on display, they can also talk to exhibiting company engineers and product experts in the booths to gain a better understanding about how the products work. For attendees interested in clean vehicle technology, the Green Product Showcase features companies with products that are environmentally friendly, prominently use recycled materials, support environmentally sustainable practices and/or advance fuel utilization.

New this year, the New Exhibitor Showcase highlights companies that are participating in The Work Truck Show for the first time.

Companies in the New Product Spotlight, New Exhibitor Showcase and Green Product Showcase can be viewed online and via The Work Truck Show 2015 mobile app to help attendees best plan their time in Indianapolis.

NTEA, the Association for the Work Truck Industry, represents more than 1,700 companies that manufacture, distribute, install, sell and repair commercial trucks, truck bodies, truck equipment, trailers and accessories. Buyers of work trucks and the major commercial truck chassis manufacturers also belong to the Association.

Source: NTEA, the Association for the Work Truck Industry

Major Showcases its Incredible Screen Media and Legendary Services at AGG1

Major Wire Industries Limited will display its market-leading Flex-Mat® 3 High-Performance Screen Media at AGG1 Aggregates Academy & Expo, March 17-19, 2015, in Baltimore, Maryland. Major's network of highly knowledgeable company and dealer Certified Screening Experts will be on hand to demonstrate how Flex-Mat 3 significantly increases production, while reducing blinding and pegging. Major's dealer Certified Screening Experts undergo rigorous training and testing in both the classroom and the field. In order to become a screening expert, these Major-authorized dealer salespeople must also conduct one of the company's Screen Maintenance Seminars, and must conduct at least one screen plant audit that includes a detailed report of the screen box condition and current screen media performance.

Major Wire offers a variety of screen media solutions so customers in aggregate, mining, recycle and slag can fine-tune their screening production, resulting in the most tons per hour of in-spec products for the least cost possible. Attendees who stop by Major's booth will see Flex-Mat 3 High-Performance Screen Media in Tensioned and Modular versions; OptimumWire® Woven Wire; Double-Weave™ Woven Wire and Flex-Mat 3 Double-Wire™, for the greatest impact resistance; and HyperSlot™, for warm and hot mix asphalt and other sticky material applications.

Source: Major Wire Industries Limited



AGG1 1532

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New Solideal Premium Skid Steer Tires Provide Enhanced Performance and Durability to Lower Operating Costs

Camoplast Solideal launches 3 new skid steer tires bringing improved performance, durability and cost savings to its premium Solideal SKS tire lines.

The decision to launch multiple products simultaneously for the compact construction equipment industry shows the company's commitment to providing the best off-the-road mobility solutions for the construction industry. Through extensive market research, Camoplast Solideal understands that tires are a major factor in the performance and operational cost of a skid steer fleet.

"We are the specialists in compact

construction equipment. We bring value to business owners by helping reduce the operational cost of their vehicles by providing the right tire for the right application at the right time," said Bob Bulger, vice president and general manager – Construc-



Terex Trucks' New Website is Fully Mobile Optimized

Terex Trucks has been put on the digital map with its first ever dedicated website. After a pivotal year in 2014, many exciting changes have been happening since the truck manufacturer was acquired by



Volvo Construction Equipment in June. This new website heralds a fresh start and a new look for the company which, although owned by Volvo Construction Equipment, will still continue to operate as an independent business.

The new Terex Trucks website's bold, clean design is a reflection of the brand itself: well-structured, straightforward, and no fuss. Fully mobile optimised and user-friendly, the website provides the latest information on Terex Trucks' machines and services along with access to features such as news stories and case studies. As part of a key company objective, visitors to the website are brought closer to Terex Trucks distributors thanks to the easy-to-use dealer locator, which can be found throughout the website.

"This is a significant step for Terex Trucks, not only as a symbol of the brand as a distinct entity in its own right, with its own website, but it also further supports the excellent customer service that we are committed to delivering," said Paul Douglas, director and general manager of Terex Trucks. "Tablets and smartphones are particularly useful in the construction industry, where access to a computer may be difficult on a job site, so it's significant that our new website is optimised for use on a smartphone or tablet. All information about our products, as well as easy contact with Terex Trucks distributors, can be found at your fingertips."

As part of the company's global initiative, the new Terex Trucks website will soon be available in French, Russian, Spanish and German. This will be rolled out throughout the year.

A dedicated used trucks equipment website will also soon be available which will allow Terex Trucks dealers to promote and sell their own used equipment.

Source: Terex Trucks

tion at Camoplast Solideal. "Our new Solideal SKS line covers more applications and surface types and therefore, a broader range of needs for our clients," adds Mr. Bulger.

The new Premium Solideal SKS tire lineup includes:

- The Solideal SKS 732: a pneumatic skid steer tire that sets the standard for long life and traction in soft soils and off-road service;
- The Solideal SKS 775: a severe-duty pneumatic tire providing superior performance on mixed and hard surfaces such as packed gravel and paved yards;
- The Solideal SKS 793S: a flat-proof solid rubber tire developed to enhance tire performance, durability and ride comfort on mixed and hard surfaces.

The pneumatic tires, Solideal SKS 732 and Solideal 775, feature a unique reverse sidewall profile to help deflect debris away from the tire. This also serves to improve side impact resistance. Increased tread depth and the use of a premium long-wearing rubber compound further enhance durability providing for a lower operating cost solution.

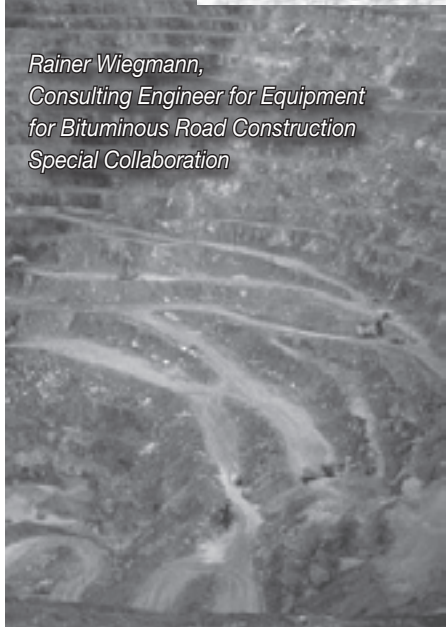
The newest solid tire solution, the Solideal SKS 793S introduces a new versatile tread pattern and an improved aperture design that enhances ride quality without compromising the tire's strength.

The new Solideal SKS lineup was created through the collaboration of Camoplast Solideal's R&D facilities in North America, Europe and Asia.

Source: Camoplast Solideal

Micro-Surfacing: HighTech Road Maintenance Technology at Low Cost

*Rainer Wiegmann,
Consulting Engineer for Equipment
for Bituminous Road Construction
Special Collaboration*



Nowadays, precautionary assessments are taken for granted for every responsible citizen. So forward-looking road maintenance should only serve one goal: to prevent larger, non-foreseeable consequences, such as increased costs and increased risks resulting in reduced road safety!

German cities and municipalities have increased the use of modern and environmentally friendly road maintenance



technologies which offer lower costs – Micro-Surfacing.

The Micro-Surfacing mix of cold polymer bitumen emulsions, aggregate, cement, water and dope is produced directly on the paving machine and immediately applied to the road surface. The cold application process has very low power consumption and this results in very low CO₂ emissions.

The on-site application of Micro-Surfacing is carried out by specially-designed electronically-controlled laying machines. Depending on the condition of the existing substrate the aggregate size of the mixture is determined as well as the possible requirement for a second layer. The latter is usually needed when reprofiling is advised.

The installed thickness of Micro-Surfacing averages about 1 cm. This eliminates extra work such as milling-off the old surface layer, regulating or raising manholes, etc. So Micro-Surfacing not only conserves resources but also minimizes costs of disposal.

Micro-Surfacing application causes only very minor impairment for both the flow of traffic, as well as for residents, because the newly laid surface can be reopened to traffic within about 30 minutes.

For all those reasons, Micro-Surfacing is considered to be the most efficient and cost-effective method of road maintenance.

STANDARD MICRO-SURFACING PROCESS

First, visual inspection of the road section to be maintained and repaired to ensure that it is suitable for treatment by Micro-Surfacing and that no preparatory



works are needed for possible major road damages if needed.

Proper cleaning of the road surface by means of a road sweeper and/or of a high-pressure water cleaner (pmax 150 bar).

Marking and taping of all street furniture such as manhole covers or gullies.

Then, application of the first Micro-Surfacing layer – for reprofiling the road

surface, a maximum aggregate size of 8 mm is applied. If there are signs of a lack of bitumen content in the existing road surface an additional tack-coating of bitumen emulsion is strongly recommended, as this will act as a bonding agent. A machine with an integrated spraybar enables spraying and the application of the first layer of



Micro-Surfacing in one pass.

Finally, installation of a second Micro-Surfacing layer. About 45 minutes after applying the reprofiling layer, a second layer can be laid. Its maximum size of aggregate is 5 mm. A correct application needs to be made of this homogeneous Micro-Surfacing mix. A good surface finish will be obtained with the aid of a variable width distributor box with augers.



MICRO-SURFACING MACHINE WITH INTEGRATED TACK-COATING SPRAYBAR

This special Micro-Surfacing method – tack-coating and simultaneous application in one pass – requires the latest machine technology, such as the SCHAEFER SMS 12.000.

This offers the advantage that prior to the application of the micro-surfacing mix

a tack coat ensures that dirt and dust will not affect the adhesion of the composite layers. The dosage of the emulsion is variable – corresponding to that of the Micro-Mix. Furthermore, when changing the width of the distributor-box, the width of the spraybar can hydraulically be adapted.

The modern control system of the Schaefer SMS 12.000 includes a PLC control together with a touch screen display allowing input of mix specification and display of real time operating data with production output data and input of any operating data. A sequence control enables a precisely timed starting and stopping of the various components.

The input of the recipe of the mix is carried out in percentages, based on the amount of the aggregate required.

All these facilities guarantee an exact dosage of the mix right from the start - resulting in a constant homogeneous mix. The advanced onboard control system and feedback monitoring is easy to use and helps to eliminate operator errors.

Micro-Surfacing Asphalt is suitable for



repair of road surfaces of all load classes under running traffic and characterized by their high daily performance at low traffic impairment. The repaired road can be reopened for traffic a short time after application of Micro-Surfacing. Practical experience has shown that the life-time of such a Micro-Surfacing can approximately last between 8 to 14 years – the best proof

of high efficiency of this advanced road maintenance technology!

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ReachMaster Is the New Dinolift Distributor for North America

Effective January 1, 2015 Dinolift has appointed ReachMaster, Inc. as its new exclusive distributor in the U.S., Canada and Puerto Rico.

ReachMaster will be responsible for all DINO sales and after-sales support of the complete DINO range in the above mentioned markets. The appointment is a reflection of a strategy to expand the success of the DINOlift products in Europe into the North American markets, particularly for the extensive line of DINO trailer lifts as well as the self-propelled machines, mainly the RXT self-propelled articulated boom lift with outriggers.

"We are very happy to re-enter the North American market and in ReachMaster we have the right partner to be successful," says Karin Nars, director of sales and marketing from DINOlift. "We are looking forward to working together with Ebbe Christensen and his professional team."

ReachMaster, Inc. has for more than

a decade successfully pioneered compact and specialty aerial lift equipment distribution in North America, including the Falcon, Denka, Bluelift and PB Lift brands. "We are very excited and proud to be given the opportunity to re-launch the DINOlift brand in North America," says Ebbe Christensen, president of ReachMaster. "It is a perfect fit and fills a gap in our portfolio making the ReachMaster range of high quality lifts unmatched by anyone in the industry today."

The increased focus on logistics and indirect operational costs in the U.S. rental market today represents

new opportunities for the DINO trailer lifts. "Trailer lifts have long ago proved their



New Construction App from Atlas Copco

Atlas Copco Construction Technique Business Area is now launching an app for use with Apple and Android devices, tablets and smart phones. The new Construction App contains a huge store of information about Atlas Copco's extensive range of products and services for the Construction sector. It also keeps the user up to date with the latest news about the construction market and has a host of other useful features.

Designed to make life easier for Atlas Copco customers and distributors, the Construction App contains information on portable energy products, road construction equipment, demolition and recycling equipment, concrete and compaction equipment, and service products.

The App provides all the information required to make the optimal choice when selecting from Atlas Copco's extensive portfolio.

HIGHLY USER-FRIENDLY

The different sections of the Construction App are configured in such a way

that it is child's play for the user to find exactly the information she or he is looking for. When there are questions about the product range and service offer, the App will provide the answers.

The latest information and technical data on Atlas Copco construction equipment are easily accessible in the App and can all be downloaded. The App also provides heads-up notifications of new product launches, and other important news.

Simple-to-use filters make it easy to find products and if more information or a quotation is required it can be requested within the App. The App also contains videos for training purposes and interviews about Atlas Copco's operations. Based on the user's location it will give information on the location and contact details of the nearest Atlas Copco Customer Center.

A DAILY WORKING TOOL

The Construction App is the simplest



way to keep informed about Atlas Copco's entire offering to this industry. It also enables users to engage with Atlas Copco on the social media and other media channels. All-in-all, it is a daily working tool that makes life simpler for everyone involved in using, purchasing or selling Atlas Copco construction equipment.

Source: Atlas Copco

IROCK Crushers Offers Online Parts, Dealer Portal

status as the most cost efficient solution for safe access at height in Europe, where high fuel and labor cost combined with environmental impact have made trailer lifts one of the strongest ROI categories," says Ebbe Christensen, adding that the U.S. market is getting ripe for the very same reasons.

"We believe the DINOlift products have everything it takes to be successful in North America, not only the trailer lifts, but also the self-propelled RXT series with outriggers. With this new partnership we combine the market experience of Reach-Master with our 40 years of innovation and production," concludes Karin Nars.

The Finnish producer DINOlift celebrated its 40 year anniversary of DINO platforms last year. In addition to trailer-mounted aerial work platforms, the company also produces self-propelled booms and crawlers in its Loimaa-based factory.

Source: Dinolift Oy

IROCK Crushers is offering an improved, updated dealer portal on its website to make it easier for dealers to efficiently meet customer needs.

While customers can see the parts, the new portal is password protected so only dealers can view certain materials.

With access to pricing information, literature, parts catalogs, sell sheets, spec sheets that contain proprietary data and pricing information all make it easier for dealers to place orders over the phone.

In addition, the portal features a library of instructional videos on adjusting aprons, changing blow bars and performing other wear-part change outs and maintenance. Finally, dealers can register for warranties and make claims through the portal, as well.

Source: IROCK Crushers



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The Importance of a Well Maintained Plant Operation... How Clean Is Your Site?

Ryan Barker, Global Service Manager
CDE Global
Special Collaboration

Ryan Barker, Global Service Manager at CDE Global evaluates the often underestimated gains of maintaining a clean and tidy site over and above regular plant maintenance...

With maximum productivity being at the forefront of most businesses minds, very often the basic principles of site housekeeping are overlooked and even ignored. While plants are processing material, it is easy for the operator in charge or even the site owner to assume that it will continue to do so without any type of care or attention given to the surrounding areas and the plant itself.

This is not always the case however. As well as obviously being a major step towards promoting a healthy and safe working environment, good, consistent site housekeeping can

go a long way in ensuring that your plant continues to produce high quality products at a consistent rate and here is why...

THE ADVANTAGES OF BEST PRACTICE SITE MAINTENANCE

- A reduction in clean-up costs: Taking a proactive approach to site maintenance and adopting a "tidy as you go" policy over the life of the quarry will ultimately reduce the time and money spent on site cleanup during periods where the plant may be shut down or be non-operational, for example through the winter months in some cases. A well conserved site is less laborious than trying to maintain one that has been subject to poor upkeep in the past.
- Avoidance of regulatory fines: A company who ensures a clean, well-organized site avoids potential penalties from various industry related regulatory bodies and other legal entities.
- Enhancement of employee safety & morale: Employees that feel safe at work are more prone to feeling happier in the workplace which in turn can lead to staff



making a greater personal impact in the company. In simple terms, this can mean increased productivity, reduced absence

from work and even higher staff retention.

- Generation of revenue & increased efficiency: Regular site maintenance can help to accommodate high productivity levels and more importantly the creation of high quality end products for resale. Furthermore, a clean and well-organized quarry site can increase production efficiency by ensuring open paths and roadways for easier access to the plant. Regular preventative maintenance on key areas of a plant will ultimately maximize uptime through planned and routine checks.

- Freeing up manpower: By having a continuous and regular focus on site maintenance, this will ensure that site housekeeping is integral to the business and therefore more manageable. This can in turn save employees more time in the long term and allow them to be more productive on other plant-related tasks with a focus on the primary objective of maximum productivity.

- A saving on fuel costs: A clean, easily accessible plant can also provide site operatives with a direct route to specific areas of the plant when using other items of machinery such as loading shovels which could mean a reduction in fuel consumption.

- Enhancement of company reputation through corporate social responsibility: Adequate maintenance and site housekeeping practices could potentially help a company to retain current customers and attract new ones.

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The maintenance of equipment should not be undertaken on a "one-off" basis, this should be a daily, ongoing part of any quarry or site operation. In most cases, maintenance work can be done by employees on site provided that they are adequately trained, but some work may require the expertise of plant providers for more technical maintenance schedules.

Furthermore it has been said that by maintaining site cleanliness and a general program of maintenance this will actively reduce the chances of dirt or debris entering the plant and will ensure that maximum uptime is maintained at all times where possible.

The creation of a housekeeping checklist can also assist in maintaining a clean, effective site.

Moreover, improvement in health and safety is most effectively achieved when it becomes totally integrated into everything that a business does and as a result, employees therefore should be educated that it is necessary to "tidy as you go".

In addition, preventative maintenance measures can increase efficiency in day-



to-day operations, as well as increase the overall readiness of plants in case of unexpected levels of processing requirements, allowing you to meet and exceed the demands and expectations of customers and in turn provide a quality service. Not only does regular maintenance improve plant performance, maintenance includes and is not limited to adjustments, cleaning, lubrication and the replacement of parts.

Likewise, regular plant inspections will

identify any areas for enhancement that you would not otherwise have known and very often these can be easily rectified by having a competent service engineer on site.

In summary, by regularly maintaining a clean site and plant operation, not only are you maximizing production, you are also providing a safe working environment, which both in the long term can provide significant cost savings.

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Europe's Longest Conveyor Built for French Cement Factory

Faster, longer, more innovative... When it comes to peak performances, ContiTech knows a thing or two – and now has another achievement to add to its portfolio together with its partner Techmi. The longest conveyor belt in Europe recently went into operation at a cement factory in Montalieu, France.

The community of Montalieu lies in eastern France. It is a small town located on the banks of the Rhône and home to the cement plant Vicat. To bring in limestone from the quarry 6.2 km away, Vicat required a cost-effective solution and launched a project to realize its transport needs by conveyor belt. They engaged Techmi, the French expert in bulk handling to build up the entire conveyor system. Techmi compiled in 2012 a quotation including specific requirements concerning the belt. In 2013, ContiTech beat a large number of other bidders to the contract and so became Techmi's strategic partner.

"Requirements for this conveyor belt

are tough, especially for return solution," reports Stefan Hoheisel, segment leader for Industry at the Conveyor Belt Group. The result of the project is something to be proud of. The endless belt is about 13 km long and does a twist and turn on the head and tail of the system to run parallel to the



loaded belt on the return. "For Vicat and Techmi the classic return solution was not really an option on this occasion. The innovative turn solution means we now have a base construction which is not higher than just 80 cm," explains Nicolas Raphaël,

team leader of the French conveyor belt team. Another advantage is that limestone residues remain on the returning belt rather than falling underneath it. This makes the system considerably easier to clean and is an advantage not just for Vicat but also for the environment.



The system blends into its surroundings without any difficulty – based on a patent of Techmi. Concrete walls and a cover encase the conveyor belt. People, animals and vehicles can cross over the construction without any problems.

ASTEC V-Pack™ Receives Patent

ASTEC, Inc., an Astec Industries company, has been awarded patent number 8,863,404 for its V-Pack Stack Temperature Control System.

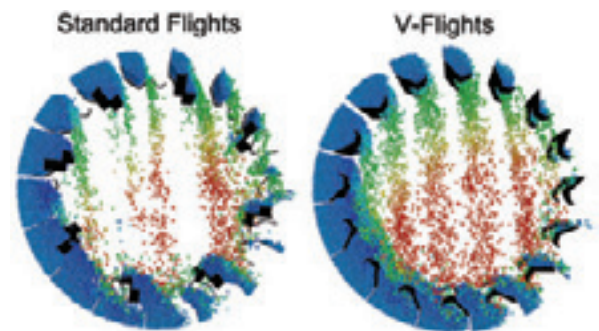
ASTEC's V-Pack Stack Temperature Control System extends the range of mixes that can be produced without requiring that the flights be adjusted. The system's "V-flights", unique drum flights with a deep V-shape, and its use of variable frequency drives (VFDs), which provide control of the drum rotational speed, are keys to the control system managing an asphalt plant's exhaust gas temperature and increasing overall efficiency.

The Stack Temperature Control System automatically controls exhaust gas temperature across a range of mix types and operating conditions by making drum speed changes. The system keeps baghouse temperature relatively stable as mix temperature changes and even as mix types change from hot mix to warm mix, from virgin to high RAP, and from dense graded to open graded mixes. These kinds of production changes would cause

baghouse temperature changes of over 38°C without the V-Pack Stack Temperature Control System.

ASTEC's V-Pack Stack Temperature Control System uses the V-flights to produce a uniform veil of virgin aggregate across the entire drum, regardless of how full the drum is, the plant's production rate, or the RAP percentage used. This is what enables drum speed changes to be effective as a means of controlling stack temperature. Since the V-flights shower uniformly without regard to how much material is in them, they never leave a hole in the veil.

The ASTEC V-Pack Stack Temperature Control System monitors the exhaust gas temperatures at the baghouse inlet as the primary reference for control. As the exhaust gas temperature rises, the control system checks it against a set point. When the temperature exceeds the set point, the control system speeds up the drum rotation, controlling temperature to the set



point. The drum speed can be varied by the system from a minimum of about 7 rpm to a maximum of about 12 rpm (8 rpm is the normal speed for ASTEC drums without this system).

Applications of the V-Pack Stack Temperature Control System enable Astec to provide asphalt plants that produce mix with RAP content from 0 to 70% without any physical changes to flights or other plant equipment and without loss of production rate capacity or fuel efficiency. Astec plants so equipped are also able to produce dense graded virgin mixes and open graded friction course with the same ease and efficiency.

Source: Astec, Inc.

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CONVINCING MATERIALS EXPERTISE

"We opted to work with ContiTech for a number of different reasons," explains Techmi's owner René Brunone. "ContiTech is a convincing partner because it has many years of practical experience with conveyor belts that negotiate bends and delivers high-quality and eco-friendly products. In addition, they were able to manufacture the belt very quickly, which also impressed us." The belt as well as the steel cords for the carcass were produced by ContiTech Imas in Volos, Greece. "It's basically a STAHLCORD ST1000-5+5 X, a steel cable conveyor that's resistant to abrasion, weather and corrosion. It's also thermally stable, highly durable and low maintenance," explains Mr. Raphaël. ContiTech produced and delivered it within the space of just 5 weeks, which is extremely competitive compared to usual production time. In a first step, 13 rolls of 1 km weighing 20 t each were shipped from Volos to Fos-sur-Mer on the French Mediterranean coast. From there they were transported in a spectacular heavy-duty truck convoy over 360 km to Montalieu.



In Montalieu, the team from ContiTech France and the service team from HQ in Northeim, Germany, were on site to assemble the belt. "We did the job in 2 stages and spent a total of 2 months on location," says Jan Poppe, head of Field Service International. Together, the team spliced the 13 sections of belt to each other – in the middle of winter, no less.

The 227 t conveyor belt is now in operation, powered by 3 electric motors

delivering 250 kW each. In normal conditions, the belt can transport up to 635 t/h of limestone. At maximum capacity, it can shift as much as 900 t. The belt has officially been in operation since mid October. "We're more than happy with the way this project has turned out. With Techmi and ContiTech, we had two extremely competent partners by our side," says Eric Galloy, project manager at Vicat.

Source: ContiTech AG

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DSC To Showcase Dredging Solutions At AGG1 2015

Louisiana-based DSC Dredge, LLC, will have its experts on hand at AGG1 Aggregates Academy & Expo, March 17-19, 2015, in Baltimore, Maryland, to discuss how its customized dredging technology ultimately results in precisely the right dredge for each unique application, boosting efficiency and lowering cost. For more than 20 years, the company has focused its expertise on the design and manufacture of customized portable cutter suction dredges of all sizes and applications for the dredging markets. DSC Dredge units are in use throughout the world in construction, environmental, mining, navigational, recreational, restoration and specialty applications.

Every dredging application has unique characteristics, so DSC has honed its ability to customize its standard dredge platform lines to meet the challenges of each customer. Prior to making any recommendations, the company goes through a rigorous process of establishing the ap-



plication parameters. This information may include factors such as dredging depths, types of materials, distance and elevation to discharge, portability requirements and access to power grids. Only then will the company recommend a specific solution based on the actual application and customer requirements. Units are then built to order in one of three manufacturing facilities to the exact specifications required. Customers are encouraged to visit the DSC facility at any time in the building process and to follow their unit through manufac-

turing, delivery, commissioning and on-site training completion.

DSC's dredging solutions are based on a number of application-specific platforms that are then customized to match the customer's specific needs. The Marlin Class deep mining dredge has been designed as an efficient method for excavating deep mining deposits with its underwater pump system and high-torque cutter drive. The Shark Class cutter suction dredge is a tough, yet portable design most commonly used in the sand and aggregate production

Oshkosh Striker Chosen by UK's Manchester International

Oshkosh Airport Products, LLC, an Oshkosh Corporation company, has placed new generation Oshkosh® Striker® aircraft rescue and firefighting vehicles into service at Manchester Airport in the UK. All 6 identically equipped apparatus feature the innovative Snozzle® high-reach extendable turret (HRET). The Striker fleet was introduced to a group of over 100 guests and dignitaries at a launch ceremony held at the airport.

"The purchase of a 6 Striker ARFF fleet by Manchester International – one of the busiest international airports in the United Kingdom – is a great boost for Oshkosh Airport Products in Europe," said Jeff Resch, Oshkosh Airport Products vice president and general manager. "Together with our local dealer, Terberg DTS, we are able to provide this excellent airport a new level of enhanced emergency response capability as well as unmatched training, service and mobile support."

"We invited several manufacturers to provide proposals to us; quite simply, Oshkosh submitted the one that was

judged to be the best fit to meet our requirements," said Steve Metcalf, Manchester Airport chief Fire officer & Emergency Services manager. "I think it is fair to say the majority of our firefighters

would describe the Striker as awesome! They especially like the ride quality, ergonomics, and easy-to-use controls."

The Oshkosh Striker 6x6 axle configuration, with Oshkosh TAK-4® all wheel and fully independent suspension, offers a smooth ride and exceptional off-road capabilities. The firefighting system includes an 11,356 l water tank, a 1590 l foam cell, and a 249 kg dry chemical system for multiple agent fire suppression capabilities.

The Oshkosh-exclusive Snozzle HRET - equipped with a hardened carbide steel tip, a perforated nozzle, and a forward-looking infrared camera, enables firefighters to



discharge from 6.1 m below grade to elevations as high as 19.8 m. The Striker's engine power pack components are readily accessed through walk-in doors on either side of the engine compartment for easier servicing.

Oshkosh dealer, Terberg DTS UK, is the European parts distributor for Oshkosh Airport Products and maintains a stockpile of spare parts. Terberg DTS offers a wide range of services, and is able to rapidly deploy highly trained engineers to keep vehicles operational.

Source: Oshkosh Airport Products, LLC

arena. Often called the contractor's "dream machine," the Barracuda Class dredge features a swinging-ladder design used most often in waterway maintenance and lake revitalization projects. DSC's Moray Class conventional/swinging-ladder dredge was designed around the concept of a versatile design in a smaller portable package that is unmatched in the industry, and often used in the environmental cleanup and irrigation applications. Rounding out the line are the Badger Class and the Wolverine Class dredges, designed for the contractor with a compact, yet portable design that is fully functional by one operator. Several of the DSC platforms are available with electric power for applications requiring sustainable attributes.

DSC dredges are in use throughout the world, from Chile to the Canadian Oil Sands, from the rivers of Nigeria to the heartland of America, helping customers to achieve maximum dredging efficiency through customized design to exacting specifications.

Source: DSC Dredge, LLC



Superior Debuts Quick Setup Overland Conveyor

Superior Industries, Inc. recently launched a brand new overland conveyor model for dry bulk material handlers. Branded the Zipline™ Conveyor, the modular, pre-engineered system permits quick, tool-less installations for bulk material handlers in a variety of industries including constructions aggregates, coal mining, biomass handling, industrial minerals and marine terminal applications.



Unlike similar, pre-engineered overland systems, Superior engineers designed the Zipline Conveyor to accommodate standard, off-the-shelf conveyor components. Common troughing idlers, for example, are placed into position and secured by hand with supplied brackets, j-bolts and eye nuts. Additionally, the components are easy to promptly source and replace from local distribution.

Stocked in dealer inventory, the cost effective conveyor adapts well to future modifications. Simply source additional intermediate sections and shift the head or tail section of the Zipline Conveyor to expand the travel length of the groundline system.

Superior's Zipline Conveyor is available in standard belt widths of 750 mm, 900 mm and 1,050 mm and maximum production rates of 450 to 1,360 t/h.

Source: Superior Industries



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JDPS Introduces Additional Gen-Drive Engine Ratings

John Deere Power Systems (JDPS) has introduced 5 new PowerTech™ 2.9L generator-drive engines with power ratings from 41 to 74 hp. The new series offers customers a range of reliable, compact, emissions-compliant choices for prime-power or standby applications.

New PowerTech 2.9L generator-drive engines include models that meet Tier 4 final (T4f), Tier 4 interim (T4i), and Stage IIIA emissions regulations; non-emissions certified models are also available for non-regulated markets.

"With new PowerTech 2.9L generator-drive engine options, customers can choose exactly the right fit for their application," said Karl Schmid,

market planner for power generation at JDPS. "These engines will deliver the performance, fuel efficiency, reliability, emissions compliance and ease of installation expected from John Deere."

The new 2.9L Interim Tier 4 and Stage IIIA engines as well as non-certified engines feature a mechanical fuel injection pump and offer a robust design for long hours of reliable service. Heavy-duty

New PowerTech 2.9L generator-drive engine models, emissions levels and standby power ratings include:

- PowerTech 3029HFG03 T4f 48-74 hp @ 1800 rpm
- PowerTech 3029HFG89 T4i and Stage IIIA 62 hp @ 1800 rpm and 58 hp @ 1500 rpm
- PowerTech 3029TFG89 T4i and Stage IIIA 47 hp @ 1800 rpm and 42 hp @ 1500 rpm*
- PowerTech 3029DF129 non-certified 47 hp @ 1800 rpm and 41 hp @ 1500 rpm*
- PowerTech 3029TF129 non-certified 64 hp @ 1800 rpm and 56 hp @ 1500 rpm*

**Generator set power unit (GSPU) available with these engines models.*



features include replaceable (wet) cylinder liners that provide excellent heat dissipation and are precision-machined for longevity. The new 2.9L series has moved from imperial to metric hardware.

Atlas Copco Previewed New Tier 4 Final Generator at POWER-GEN® International

Atlas Copco Portable Energy gave tradeshow attendees an exclusive preview of its Tier 4 final (T4f) QAS 275 generator before it hits the market in the second quarter of 2015. The new generator meets new emission standards and features the latest technology that simplifies maintenance. The new generator was on display December 8-11 during the 2014 POWER-GEN® International tradeshow in Orlando, Florida.

The new QAS 275 generator incorporates an MTU engine and after-treatment system that meets Tier 4 final (T4f) emission standards without a diesel particulate filter (DPF). MTU's exhaust after-treatment includes a diesel oxidation catalyst and a selective catalytic reduction process that converts nitrous oxides into harmless nitrogen and water vapor. This eliminates the need for a DPF and the maintenance that comes with it, such as regeneration and filter cleaning.

Atlas Copco selected MTU, one of the world's leading manufacturers of large

diesel engines and complete propulsion systems, because of the company's reputation in the industry and its emission solutions.

"MTU has a very strong service network in North America, and we feel its engine platforms fit our QAS generator range perfectly because they're designed for heavy-duty and demanding conditions that our customers experience on a day-to-day basis," said Rob Johnston, Atlas Copco factory product manager. "By combining MTU engines with Atlas Copco's engineering, we created reliable generators that provide predictable power for any application."

In terms of performance, the generator is equipped with a dependable alternator and



easy-to-use controls. The Leroy-Somer™ AREP alternator ensures powerful startups and takes on large power loads. For example, an operator can use the generator either for prime power or critical standby power on construction sites. For varying applications and equipment, the operator uses the voltage selector switch to adjust

Volvo Launches Tier 4i/Stage IIIB Engine Conversion Kits

The PowerTech 3029HFG03 T4f engine features an electronic high-pressure common-rail fuel system that provides higher injection pressures up to 1,600 bar (23,000 psi). It also utilizes an exhaust filter – consisting of a diesel oxidation catalyst (DOC) and diesel particulate filter (DPF) – that deliver premium block loading characteristics.

John Deere offers an extensive lineup of standby and prime gen-set engines that meet emissions regulations while delivering quick-starting, clean-running and fuel-efficient performance. The full lineup of John Deere generator-drive engines ranges in displacement from 2.9 l to 13.5 l and covers gen-set ratings from 42 to 755 hp.

Source: Deere & Company

Volvo Construction Equipment is now offering the first in a series of engine conversion kits that allow Volvo customers to resell their Tier 4i/Stage IIIB machines outside of the US and EU – regardless of when the machine was purchased.

A Tier 4i/Stage IIIB engine conversion kit from Volvo Construction Equipment (Volvo CE) enables Volvo customers to resell their used Tier 4i/Stage IIIB machines for use in less-regulated countries where high-sulfur fuels are used. The first kits are now available for the company's A25-A40 articulated haulers (fitted with D11, D13 and D16 engines) and the L150-L250 wheel loaders (D13 engine). Kits will soon be available for the EC340-EC480 excavators (D13 engine). Throughout 2015, conversion kits will become available for Volvo machines equipped with medium-duty engines (D4-D8).

"The conversion kit adjusts the engine system so it can handle high-sulfur fuels up to 10,000 ppm," explains Alan Berger, vice president of product platforms at Volvo CE. "This eliminates the need for regeneration and allows Volvo customers to export their used machines to less-regulated countries in markets such as North Africa or South America. Without a conversion kit, Tier 4i/Stage IIIB machines will not operate correctly due to the difference in fuel quality. We have developed and tested our conversion kit with a focus on quality and reliability, providing a robust solution for our customers."

"The Volvo conversion kit consists of two parts: hardware is exchanged and software is updated," says Mr. Berger. "The new owner should contact their local Volvo dealer in the destination country to arrange for the conversion kit to be fitted. Installation will take around half a day and the conversion is permanent."

Source: Volvo Construction Equipment

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the machine's output to 480, 208/240-V 3-phase settings, or 120/240-V single phase (60 hz). This versatility gives users greater flexibility on the jobsite and can increase utilization at rental centers. The generator is also capable of dual frequency – 50 or 60 hz – to create a reliable power source for any worksite, including shipyards.

With its standard Deep Sea 7310 controls, the QAS 275 generator is easy to set up and minimizes start-up times. The Deep Sea controls can include an optional telematics system that provides added security and helps minimize maintenance times. The system tells the operator how the generator is running and displays any operating issues. This allows the equipment owner to send out the necessary parts without having a mechanic inspect the machine first. With the telematics system the owner also can track the unit to pinpoint its location, either while it is being used or if it is stolen.

The generator's heavy-duty frame and enclosure withstand harsh working envi-

ronments. The frame also plumbs engine fluids to the edge of the skid to eliminate the hassle of maneuvering drip pans into the interior space, and the standard spillage-free base frame is sized to contain 110% of all the machine's fluids. The frame is surrounded by a powder-coated galvanized steel enclosure for a long-lasting, scratch- and corrosion-resistant surface. This protects the engine from debris and helps the generator maintain a high resale value. The enclosure also is sound attenuated to ensure operation at low decibel levels for operation on noise-sensitive jobsites, in residential areas or at events.

The QAS 275 comes standard with an easy-to-transport skid mount. Skid units contain forklift pockets for easy movement to a new location. Customers also have the option to mount the QAS 275 to a dual-axle trailer that is readily towed between worksites with its pintle hitch.

Source: Atlas Copco

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Atlas Copco Upgrades Dynapac Road Construction Equipment

Atlas Copco has upgraded and reintroduced its Dynapac road construction equipment line. Dynapac has been a pioneer in paving products since its inception in 1934, and as part of Atlas Copco it continues to lead the industry in innovation for compaction, paving and milling equipment.

The Atlas Copco Group acquired Dynapac in 2007. Since then, Atlas Copco has continued to invest in the Dynapac family with new products and technologies. Steve Cole, Dynapac business line manager, said Atlas Copco has focused on operator comfort, safety and visibility with each new Dynapac model.

"We like to say we look at things from where our customers are sitting," he said. "That means we put ourselves in operators' boots and develop solutions based on what will be safest and work best for them. The results are machines that are ergonomically aligned with users and allow them to be as productive as possible every

single shift."

Features that enhance visibility or operator comfort are incorporated into all Atlas Copco-Dynapac equipment, most notably in the latest pavers and rollers. On the F1000 series paver, for example, the low-profile deck and two, swing-out operator platforms give the operator the best visibility around the machine, and the controls feature system-grouped switches that minimize operator fatigue during long work shifts. The new soil rollers, including the CA1300 and CA1500, have superior gradability, which allows operators to comfortably travel backwards and forwards up steep inclines. Atlas Copco engineers are also wrapping up their latest advancements in intelligent compaction technology that will be revealed in March 2015 during World of Asphalt.



In addition to improved machines, dealers and customers will notice the iconic yellow of Atlas Copco has replaced Dynapac's traditional red splashes on Atlas Copco-Dynapac equipment. Mr. Cole said, the decision to replace the red splash gives the Dynapac equipment a fresh look, and symbolizes Atlas Copco's commitment to producing high-quality equipment and continuous improvements while delivering a high level of after-sale support.

Source: Atlas Copco

ACG 2514

New Features Increase FiberMax® Crane Mat Performance

Since its introduction in early 2014, several new features have been developed for the FiberMax® crane mat product line, from DICA® Outrigger Pads. The new features include a static dissipation strip, corner cribbing, and additional rigging hardware options. Each upgrade is designed to improve safety, ease of use, and productivity.

FiberMax® crane mats provide outstanding stability for both outrigger-enabled mobile cranes and crawler cranes in a wide variety of ground conditions. Engineered for incredible strength and rigidity, but weighing less than half the weight of steel crane mats, FiberMax crane mats have the ability to significantly reduce transportation costs and provide exceptional long term ROI.

The Static Dissipation Strip provides a path for electric current, static or otherwise, to the ground. The crane mats themselves are non-conductive, providing an insulating barrier from the equipment to the ground. The new option allows for the transfer of electrical charges to be transmitted through the equipment float into

the dissipation strip to the steel frame and ultimately to the ground (assuming the mat is placed on a conductive surface). FiberMax crane mats can be upgraded with the static dissipation strip for as little as \$100 to \$250 depending on mat size.

When stacking crane mats for storage, the new Corner Cribbing feature eliminates the need for operators to place temporary cribbing between each mat. This makes stacking the mats using a forklift more efficient and eliminates pinch hazards between stacked mats. The corner cribbing option is \$100 per mat and is painted high visibility orange.

In addition to standard J-hooks, DICA now offers 3 new Rigging Hardware options including standard D-Rings, optional Crosby® Pivot Links, and a new Stack & Pin option. The Stack & Pin feature secures 4



mats together for lifting as a single unit. This feature simplifies load securement for transportation and storage purposes. Prices vary based on hardware and mat sizes.

Since debuting at ConExpo-Con/Agg 2014, FiberMax crane mats have been put to use with 100 t to 600 t capacity mobile cranes working in a variety of ground conditions with different soil bearing capacities.

Working in refineries in the Midwest,

New IMT 32 tm Articulating Crane Offers More Productivity

Iowa Mold Tooling Co. Inc. (IMT), an Oshkosh Corporation company, has introduced the 32 tm crane to its lineup of articulating cranes ranging from 2.5 to 80 tm. The 32/222 crane is designed for superior operator productivity with unique lift and reach capabilities requested by customers.

The excellent strength and reach of the IMT 32 tm crane, along with high working speed and precision control, maximize operator efficiency. The crane features a maximum lifting capacity of 6,830 kg at a radius of 4.5 m. The crane offers one of the industry's longest horizontal reaches in the 30 tm range: 21.2 m with 8 hydraulic extensions.

Productivity-enhancing features of the 32 tm articulating crane include the dual-power plus link-arm system, 15° overbending, continuous rotation and a standard radio remote control. The crane comes standard with the RCL (rated capacity limiter) 5300 system to monitor load



moment, operation and function.

"At IMT, we're committed to helping our customers become more productive and, as a result, more profitable," said John Field, IMT product manager of material handling. "The 32 tm crane offers the performance to make loading and unloading materials more efficient. Operators can move and haul more materials with this crane, which has a positive impact on the bottom line."

Ultra-high tensile steel construction of

the hexagonal boom provides a superior lift-to-weight ratio, high lifting capacity at long reaches and increased payload capabilities. Required mounting space has been minimized, providing more space on the truck body and additional truck configuration possibilities.

The 32 tm crane joins the complete lineup of IMT articulating cranes ranging from the 2.5 tm model to the 80 tm model.

Source: Iowa Mold Tooling Co., Inc.

Chellino Crane, from Joliet, Illinois, says that FiberMax crane mats provide them with safe, efficient setup solutions.

"Chellino Crane uses FiberMax crane mats because they're so lightweight compared to steel, making them easy to transport and move around the jobsite. Our customers in refinery plants have even taken notice, especially, when we use the DICA ZeroLift Pad Rack on our RTs to carry the mats instead of using a forklift to position them. This is a huge cost savings for the customers," said Wesley Chellino, operations manager.

Other applications demonstrate the advanced load distribution capabilities of FiberMax crane mats. FiberMax crane mats utilize technology originally developed for vehicle and pedestrian bridge decking

applications where safety and long term use are top concerns. This "directionally isotropic" design directs the load where it is engineered to go and maximizes the surface area of the mat.

In the Gulf Coast region where the soils can be very soft, typical allowable ground bearing capacity (AGBC) are between 70 kPa - 120 kPa. One DICA customer chose specially designed FiberMax crane mats to meet their requirements of reducing heavy loads to an AGBC of 48 kPa. In metro areas soft soils are not the challenge. Instead, the need is to reduce ground bearing pressures to avoid causing damage to underground utilities and streets. FiberMax crane mats have been selected for this application in Washington, D.C. to reduce the extreme ground bearing pressures from a

360 t crane to meet everyday lifting needs.

In a crawler crane application in Florida, the U.S. Navy is using custom-designed and constructed FiberMax crane mats where the supported load is as high as 348 800 kg and the allowable ground bearing pressure is just under 43 kPa.

"DICA FiberMax cranes mats are proving themselves to be a dependable lightweight solution that are able to meet some of the most demanding environments around the world," said Kris Koberg, CEO of DICA Outrigger Pads.

Source: DICA Outrigger Pads

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IMT TireHand® Tire Manipulators Featured on New Hyster® Tire Handler Trucks

Iowa Mold Tooling Co., Inc. (IMT), an Oshkosh Corporation company, is pleased to announce that IMT TireHand® tire manipulators are featured on a new series of heavy-duty Hyster Company tire handling trucks. The new Hyster® tire handlers with IMT TireHand attachments offer “total tire handling solutions” that help maximize equipment uptime, and promote operational safety in the mining, ports and intermodal industries.

The versatile new line of Hyster tire handlers includes 14 models with IMT TireHand tire manipulators – 8 units are integral configurations ranging from 2,268 kg to 16,328 kg of capacity for dedicated tire handling, the other 6 have hang-on quick connect IMT TireHand attachments for flexible transition between tire handling and forklift modes. The dual-function trucks with IMT TireHand tire manipulators can be reconfigured within an hour.

IMT has collaborated on the new tire

handling solutions with Hyster Company. The collaboration combines the industry-leading strengths of IMT TireHand tire manipulators and Hyster® lift trucks into one vehicle package. This IMT and Hyster combination provides customers with efficient tire handling performance, lower total cost of ownership, easier on-site installation and assembly, and excellent all-around visibility.

Featuring a “plug-and-play” system, Hyster® tire handlers with IMT TireHand tire manipulators can be simply installed and assembled on-site. They offer efficient body and pad rotation for proper positioning of tires and wheel assemblies. Optimized flow settings with fully calibrated hydraulics provide greater handling performance. Hyster® trucks with



IMT TireHand attachments are designed for all-around visibility of tire grab pads, fallback arms and wheel assemblies while providing enhanced rearward visibility. A two-stage mast offers exceptional visibility of the tire handling application.

At rated capacities, the new Hyster® tire handler trucks with IMT TireHand tire manipulators are sized to provide tire handling solutions while consuming less fuel. This results in lower acquisition costs and lower long-term operating costs.

Source: Iowa Mold Tooling Co., Inc.,

New 2016 Nissan TITAN XD

The 2016 Nissan TITAN XD, which made its world debut at the 2015 North American International Auto Show in Detroit, is set to shake up the highly competitive full-size pickup segment when it goes on sale in the U.S. and Canada beginning in late 2015 – with a bold all-new design that stakes out a unique position in the segment between traditional heavy-duty and light-duty entries.

Called the “XD”, it offers the effortless towing and hauling of the larger, more expensive heavy-duty trucks yet has the fuel-efficiency and affordability of a half-ton pickup.

The new TITAN XD Crew Cab, which was shown in Detroit with its powerful Cummins® 5.0L V8 Turbo Diesel, is the first of 3 cab configurations, 2 frame sizes, 3 powertrain offerings and 5 grade levels to be available in the full TITAN lineup.

Starting with a durable, proven chassis design from Nissan Commercial Vehicles, the new fully boxed, full-length ladder frame is extensively reinforced and strengthened for use with the TITAN XD with added stiffness, vertical and lateral

bending, and torsional rigidity. It also features an extended 385 cm wheelbase – about 51 cm longer than non-XD TITAN models.

Hydraulic cab-mounts help isolate the occupants from the advanced TITAN XD chassis. The new TITAN XD rides on 17”, 18” or 20” aluminum-alloy wheels with LT245/75R17, LT275/65R18 or LT265/60R20 tires for strong all-weather/all surface traction.

Braking is provided by a 4-wheel disc system with 360 mm / 366 mm ventilated discs front and rear with hydraulic power assist. The high brake fluid pressure generated by an electric pump assists brake pedal force for a confident feel. The system is designed to provide improved noise and judder control (versus the previous generation TITAN).

Responsive steering is provided by a recirculating ball-type high-capacity steering system with parallel rod steering linkage to optimize steering effort characteristics,



even under heavy axle weight and towing conditions.

The TITAN XD Cummins diesel is the first commercial application of the new Cummins M2 2-stage turbo system, which helps reduce traditional turbo-lag through precision balancing between high-pressure and low-pressure turbos. The patented Rotary Turbine Control provides solid performance across the powerband and manages exhaust gas temperatures.

Helping handle the power and torque of the engine is a heavy-duty 6-speed Aisin automatic transmission developed and tuned exclusively for the TITAN XD.

TITAN will also be offered with V8 and V6 gasoline engines. Details on those engines will be announced at a later date.

Source: Nissan



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A newcomer in the Class 7 & 8 Cabover category

The oldest North American truck brand, Autocar® enters the Class 7 & 8 cabover market with a range of trucks designed for heavy work such as road maintenance and heavy pick-up and delivery, the Autocar Xpert.



The Autocar Xpert is designed to ensure the best sight lines in any cabover or conventional truck. The spacious cab features a huge windshield, side, and rear windows.

The Autocar Xpert can be equipped with an OEM dual steering system. With all controls placed either in the middle, or duplicated and mirrored on both sides.

The high performance dual steering gear system is designed for an extra tight turning radius, and the electrical system is designed for dual steer from the ground up, with no third party splicing into a wire harness.



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Appointments

Mack Trucks named **Dayle Wetherell** its new regional vice president of Canada effective January 1, 2015. In this role, Mr. Wetherell will be responsible for driving sales and increasing market share and profitability in Canada.

"Mack is pleased to welcome Dayle to the team," said Stephen Roy, president, Mack Trucks North American Sales & Marketing. "Dayle's leadership experience, along with his strong industry and business development background, will prove invaluable to Mack and our Canadian customers."

Mr. Wetherell has more than 20 years of experience in the heavy-truck industry, and has served as the vice president of Strategic Projects and Business Development for Volvo Group North America since 2013. Prior to that role, he spent 7 years as the president of UD Trucks North America.

Dayle Wetherell will be based in Mississauga, Ontario. He has a bachelor's degree from the University of Texas at El Paso and an MBA from Illinois Benedictine College, Chicago.

He succeeds John McQuade, who retired.

Source: Mack Trucks, Inc.



responsibilities as part of the Toro underground team will include managing sales efforts and fostering relationships with channel partners in southwest region of the United States.

Brandon Yee has worked with HDD rigs ranging from 9 t to 225 t units, and has an extensive background in the underground marketplace. His previous roles have included training end-users to properly operate and maintain a variety of equipment including trenchers, vibratory plows, and directional drills. His experience has placed him in various locations throughout Asia, including India, South Korea, The Philippines and Thailand.

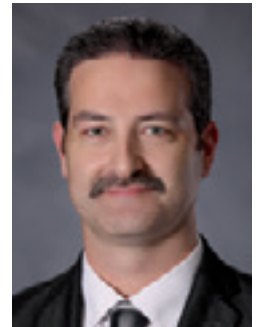
Mr. Yee holds a bachelor's degree in business administration from California State University-Hayward.

Source: The Toro Company

Dallas Coffey has been named general manager of **Link-Belt Construction Equipment's** Mid-Atlantic division. Chuck Martz, Link-Belt CEO/president made the announcement at Link-Belt headquarters in Lexington, Kentucky.

Mr. Coffey accepts his new role at Link-Belt Mid-Atlantic after previously serving as controller. He began his career with Link-Belt in 2003 first as a staff accountant and then was promoted to general accounting supervisor in 2005. He transferred from Link-Belt's offices in Lexington, Kentucky to Link-Belt Mid-Atlantic offices in Ashland, Virginia in 2007.

Source: Link-Belt Construction Equipment Company

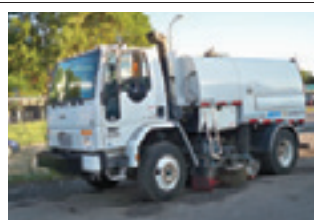


Superior Industries, Inc., recently announced the hire of 20-year industry veteran **Jason Adams**. He becomes the new general manager of the company's construction management division.

Mr. Adams comes to Superior Industries after spending the last 7 years as operations manager and eventually vice president of operations at Continental Equipment Company, a construction aggregate equipment distributor located in Fenton, Missouri. He first came to the industry in 1994 when he started welding at a Terex plant in Duran, Michigan. After 14 years at Terex, he left the company as a general manager in 2008.

At Superior, Jason Adams will be responsible for leading the manufacturer's construction management division, a group of project managers, engineers and installation crews who plan, coordinate and control projects from start to finish. His strong industry experience will ensure customers integrate the right processing equipment for proper flow, acceptable uptime and production of a financially viable product.

Source: Superior Industries, Inc.



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Agenda

The Rental Show
February 22 - 25, 2015
New Orleans, LA USA



Work Truck Show
March 4 - 6, 2015
Indianapolis, IN USA

National Heavy Equipment Show
March 5 - 6, 2015
Toronto, ON Canada

Québexpo (ALQ Rental Show)
March 10 - 11, 2015
Laval, QC Canada

World of Asphalt / AGG1
March 17 - 19, 2015
Baltimore, MD USA



inter airport South East Asia – Singapore
March 18 - 20, 2015
Singapore

2015 North American Snow Conference
April 12 - 15, 2015
Grand Rapids, MI USA

INTERMAT Paris
April 20 - 25, 2015
Paris, France



ISRI 2015 Convention and Exposition
April 21 - 25, 2015
Vancouver, BC Canada

The Federation's Solid Waste & Recycling Conference & Trade Show
May 3 - 6, 2015
Bolton Landing, NY USA

APOM technical day
May 8, 2015
Warwick, QC Canada

Waste Expo 2015
June 2 - 4, 2015
Las Vegas, NV USA

AORS Municipal Public Works Trade Show
June 3 - 4, 2015
Exeter, ON Canada

APOM technical day
September 4, 2015
Saint-Henri-de-Lévis, QC Canada

IFAT Environmental Technology Forum Africa
September 15 - 18, 2015
Johannesburg, South Africa

ICUEE – The Demo Expo
September 29 - October 1, 2015
Louisville, KY USA

WaterSmart Innovations Conference and Exposition
October 7 - 9, 2015
Las Vegas, NV USA

IMEX America 2015
October 13 - 15, 2015
Las Vegas, NV USA

Waste & Recycling Expo Canada
November 4 - 5, 2015
Montreal, QC Canada

2015 Trenchless Technology Road Show
November 17 - 19, 2015
Richmond/Vancouver, BC Canada

bauma 2016
April 11 - 17, 2016
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