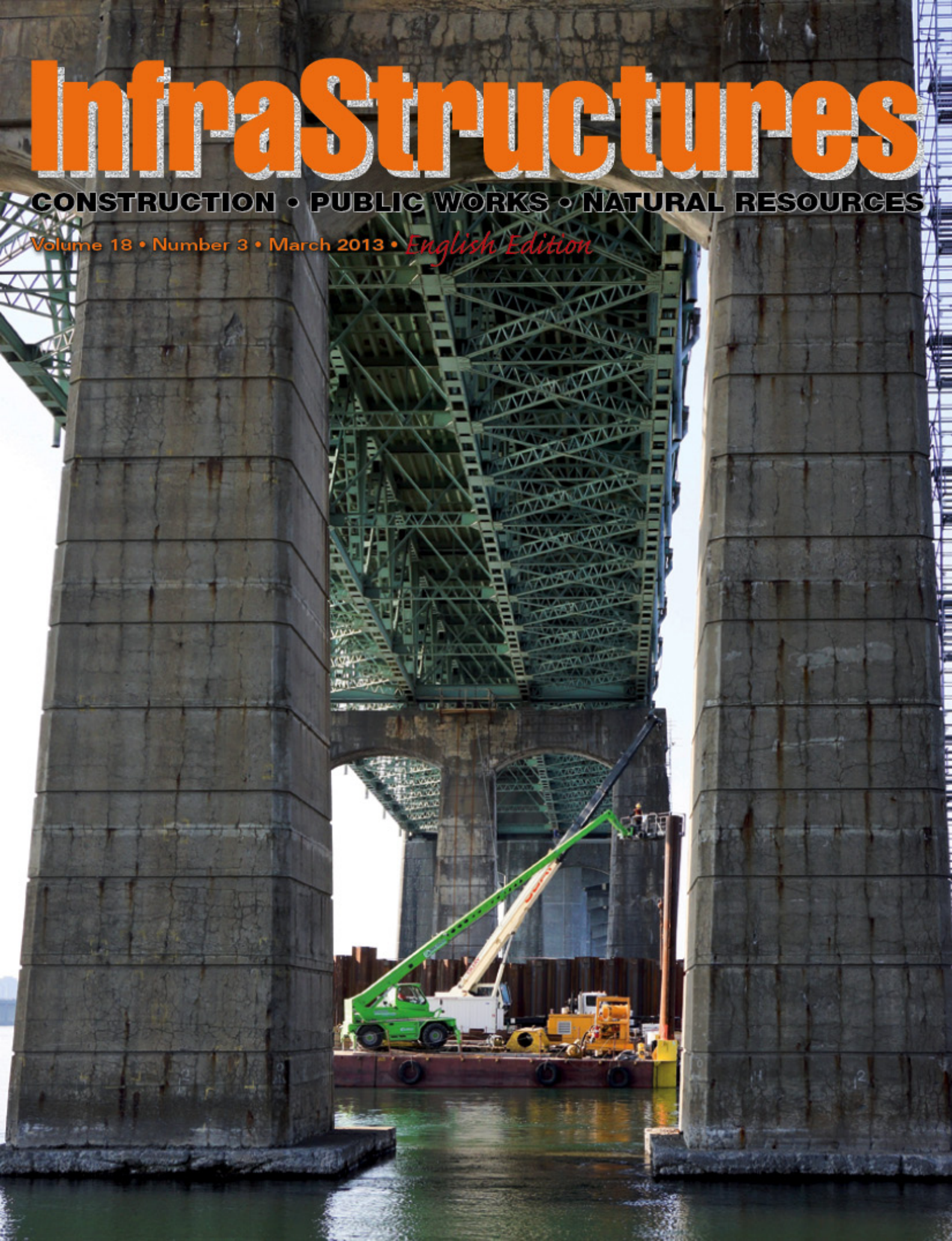


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Volume 18 • Number 3 • March 2013 • *English Edition*



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A Brief Word...

Another of the "New Winters" is drawing to a close and I'm certain the ground hog was correct in his prediction.

Those of you into snow are having a relatively good time of it. Those who don't do winter maintenance work are not doing too bad either. The weather and new technologies permit almost a complete calendar working year. But are we losing our edge?

The stereotype is cold climate peoples do a year's work in 6 months when the weather is good. Whereas those in the tropics tend to be portrayed as a bit more relaxed because the weather is always good.

Are Canadians developing a similar "mañana" approach? We've seen more school closures and bus cancellations this season than I ever did as a school-boy.

Is it a climactic and technological change or is it a monetary one? The mega projects of our fathers' days are well behind us. So, does the work there is, get stretched out until the next job comes into view? As the pogie, WCB, and liability insurance change, so does our approach to work. The alleged social safety net is shred but the culture of entitlement lives on.

The old "Protestant Work Ethic" may be the only tool any of us have to fix the New Economy.

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On the cover:

Thanks to its compact size and its 1,000 kg basket capacity, the Merlo Roto 45.21 MCSS is the most productive and versatile tool for tasks performed on a barge, such as in this case, under the Champlain Bridge on the St. Lawrence river south of Montreal, Quebec.

ARA INTRODUCES ARA EQUIPMENT RENTAL PENETRATION INDEX

The American Rental Association (ARA) has taken another step forward in defining and analyzing the equipment rental industry with the development of the new ARA Equipment Rental Penetration Index™, which was introduced at The Rental Show 2013, in February.

At the request of ARA members, ARA convened a workgroup in September of

2012 to develop a plan of work for estimating an appropriate measure of equipment rental penetration for the equipment rental industry.

The workgroup built upon ARA's development of rental-specific performance metrics to determine a way to calculate rental penetration that combines several factors to result in the ARA Equipment Rental Penetration Index™.

The ARA Equipment Rental Penetration

Index™ provides the industry with a new method for measuring and forecasting equipment rental penetration and leverages the ARA Rental Market Monitor™ and the expertise of the association's industry research partner, IHS Global Insight, as the foundation.

The ARA Equipment Rental Penetration Index™ is designed to create a way for rental companies to measure how much potential market exists versus the current market as well as for manufacturers to project demand for machines, and investors and analysts to consistently measure trends about equipment rental in construction.

"The basic concept of the ARA Equipment Rental Penetration Index™ is to measure the amount of equipment that is rented as a percentage of total construction equipment," says Christine Wehrman, ARA's executive vice president and CEO.

"Rental firms tend to measure their performance on a cost basis and the most often used cost base for rental equipment is original equipment cost (OEC)," says John McClelland, Ph.D., ARA's vice president for government affairs, who helped lead ARA's rental penetration index workgroup. "The OEC-weighted approach allows the ability to derive several components of the equipment rental penetration calculation using well-established data and techniques."

U.S. Census data is used to calculate a value-based measure of the construction fleet. Using this value as the denominator and rental fleet OEC as the numerator, ARA can estimate an equipment rental penetration index that is value-based and accounts for flows of equipment into and out of the fleet and for the stock of equipment in the rental and total construction fleets.

"The ARA Equipment Rental Penetration Index™ is the association's latest resource to help rental store owners and managers, manufacturers, and industry analysts and investors better understand the potential of the rental channel and its long term prospects," says Michael Kneeland, CEO of United Rentals, Greenwich, Connecticut.

"While our customers continue to tell us that equipment rental increasingly plays a



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larger role in their business, now with the Index we can better measure the extent of that growth over time. We also believe that the secular shift to rental may have at first been driven by macro-economic uncertainty, but that once customers turn to rental they appreciate the flexibility and convenience it provides, and appreciate the added value," Mr. Kneeland says.

ARA used the index to analyze results covering 2003-2011, which shows rental penetration for construction machines was in the range of 40% at the beginning of the analysis to just above 50% in 2010 and 2011. The result is consistent with the expectation that in recent years the size of the rental fleet has increased relative to the construction fleet.

Source: American Rental Association

ASPHALT ROOFING MANUFACTURERS ASSOCIATION LAUNCHES REDESIGNED WEBSITE

The Asphalt Roofing Manufacturers Association (ARMA) recently launched its newly redesigned website, providing visitors with enhanced user-friendly features that improve navigation and online shopping for roofing publications.

www.asphaltroofing.org, now offers three dedicated portals for visitors: residential, commercial and roofing professionals. These gateways make it easier for users in these particular groups to find pertinent news, information and resources about asphalt shingles and roofing membranes.

"We're extremely excited about our new site," said ARMA's executive vice president, Reed Hitchcock. "Visually it's more appealing and accessible. Visitors will find it easier to browse the site and search for roofing materials that are of most interest to them directly from the homepage."

The main feature area on the homepage will serve as a repository for breaking news and important information about asphalt roofing systems, and will rotate on a regular basis. Consumers and roofing professionals will now have more robust photo galleries to peruse with descriptions of the various types of asphalt roofing systems that are available.

Additional updates to the site include direct access to ARMA's informational suites, such as Fast Facts, MAT Releases, videos and cool roofing content via the homepage. These resources are also broken out

into the individual portals as they relate to residential and commercial applications.

Visitors can link to ARMA's Quality Asphalt Roofing Case-Study (QARC) Awards Program, directly from the website instead having to navigate away from it. Each year, the QARC Awards Program recognizes architects, contractors and specifiers who use asphaltic roofing materials on low-slope and steep-slope building projects for its beauty, affordability and reliability.

The 2014 awards campaign is accepting submissions through the end of December.

A newly established bookstore allows visitors to purchase ARMA publications online, further improving the shopping experience. ARMA offers a wide variety of general, educational and specialized design and installation guides and manuals for both residential and commercial asphalt roofing systems.

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beneficial, whether it's a homeowner who wants for a particular look for their asphalt shingle or a roofing contractor seeking technical information on how to apply a modified bitumen system on a warehouse," said Mr. Hitchcock. "There's really something for everyone."

Source: Asphalt Roofing Manufacturers Association

BID2WIN SOFTWARE UNVEILS NEW BRANDING AND VISION

BID2WIN Software is changing its name and rebranding itself as B2W Software, Inc. This new brand identity, paired with the company's expanded operational suite, more accurately represents what it has

become: a premier provider of enterprise-class construction operational software. Enjoying tremendous growth over the past 10 years, the company has expanded its product offerings, services and the size of its staff to meet the needs of a rapidly growing client base and shifting construction market. The most significant driver of B2W Software's evolution is its strong vision and technical expertise in mobile development.

B2W Operational Elements include the following areas:

Estimate - Designed to manage your entire estimating and bidding process, B2W Estimate is the industry's most powerful, cost effective estimating and bidding tool.

Despite its power and feature-rich functionality, it is intuitive and easy to learn.

Dispatch - B2W Dispatch simplifies your operations, allowing you to plan, analyze, schedule, and dispatch your human, mechanical, and material resources across job locations and over time. It features advanced interactivity, allowing users to perform complex assignment, scheduling, and transportation tasks intuitively, accurately and efficiently. When jobs run the way you plan them, profitability is assured. Track - B2W Track allows you to compare original bid numbers to real job costs, so you can better understand and remain in control of real costs every day, not weeks or months later. Using a laptop or tablet, executives, project managers, field engineers and foremen can view, enter and track real-time status information about jobs for reported production quantities, labor hours, equipment hours and material quantities.

Maintain - B2W Maintain keeps revenue producing equipment on the job by minimizing unplanned downtime and optimizing production. Plus mechanics can quickly access and create equipment and repair data using B2W Software's mobile tablet application.

"B2W Software's vision is to inspire and empower contractors to achieve world class operations. Our goal is not simply for our clients to implement software that monitors operations - we want to provide new tools that extract real business intelligence to improve company profitability," states B2W Software's CEO, Paul McKeon.

The new name and product offering is part of a comprehensive rebranding initiative designed to promote B2W Software's customer-centric approach as well as its ability to provide new innovation, along with unmatched efficiency, accuracy and profitability for the construction industry. Included in the rebranding campaign will be a new logo, design standards, a North American marketing communications campaign, and a new website.

Source: B2W Software, Inc.

RITCHIE BROS. AUCTIONEERS OFFICIALLY ANNOUNCES FIRST CHINA AUCTION DATE

Ritchie Bros. Auctioneers recently announced during a press conference in Beijing that it will be holding its first unreserved public auction in China on April 18, 2013. In addition to securing an official



The Wirtgen AutoPilot™, an innovative stringless control system for use with Wirtgen SP 15 and SP 25 concrete slipform pavers, was demonstrated at World of Concrete 2013, held last February in Las Vegas.

AutoPilot is a user-friendly, cost-effective control system for poured-in-place concrete profiles, such as curbs, safety barriers or slabs. Throughout the show, Wirtgen America demonstrated the AutoPilot system on an SP 15 at its outside stand. Attendees also had the opportunity to set up their own courses using the AutoPilot system.

In addition, Wirtgen America displayed the SP 25 and new SP 80i slipform machines at its indoor booth.

The Wirtgen SP 15 concrete slipform paver has a maximum paving width of 183 cm, maximum barrier/parapet placement height of 130 cm, and weighs 12,930 kg. The SP 25 concrete slipform paver has a maximum paving width of 366 cm, and maximum barrier/parapet placement height of 196 cm, and was displayed in barrier configuration.

Also, the new full-lane-width SP 80i was displayed, set up for its maximum paving width of 7.9 m wide.

New to North America in 2013, the SP 80i comes in different configurations. It can be set up as an offset machine for very large sections, as a 2-track paver, and as a 4-track paver. The "i" designates these pavers as having "intelligent" power and emissions control systems.

Source: Wirtgen America
Wirtgen Group

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auction date, the company has started receiving its first consignments, which include a mixture of unused international and local equipment. This announcement comes shortly after the company's initial announcement in November 2012, during a press conference at bauma China, where Ritchie Bros. announced that it will bring the certainty of unreserved auctions to Chinese equipment buyers and sellers now that the company's Wholly Owned Foreign Enterprise application had been approved by the Chinese government.

Ritchie Bros. has formally leased land in the Tianzhu Free Trade Zone (Shunyi, Beijing) in preparation for this first unreserved public auction in China. Strategically located within minutes of Beijing Capital International Airport, the Tianzhu Free Trade Zone is connected to one of China's largest roll-on, roll-off ports in Tianjin.

Source: Ritchie Bros. Auctioneers

SIEMENS CANADA OPENS SMART GRID CENTER OF COMPETENCE IN FREDERICTON

New Brunswick Premier David Alward, NB Power CEO Gaëtan Thomas and Siemens Canada CEO Robert Hardt were among those in attendance last January 31, at the official opening of Siemens' newest home in Fredericton, New Brunswick. The location will house both a smart grid center of competence (COC) and a research & development (R&D) centre and is a milestone in Siemens' multi-year partnership with NB Power, announced in the summer of 2012.

The collaboration between Siemens and NB Power, involving a comprehensive Smart Grid Reduce and Shift Demand (RASD) modernization plan, will invest in technology and engage customers, offering business and residents more choice and control over their energy consumption. Using Smart Grid Compass methodology, Siemens will support NB Power in developing an energy road map for the next decade and beyond. Design and rollout of smart grid software will take place at the new Fredericton facility.

Approximately 23 employees have been hired at the facility to-date, of which 15 are R&D hires. Invest NB has committed to support the hiring of a total of 25 R&D employees. The majority of new employees are local hires, aligning with Siemens' strategy to bring the best of global smart grid knowledge together with local ex-

pertise from New Brunswick's impressive talent pool.

Siemens' plans for 2013 include additional hiring, working with NB Power to further develop its RASD plan and implement base IT systems for smart grid applications, as well as develop partnerships with local universities.

Source: Siemens Canada Limited

WAJAX INDUSTRIAL COMPONENTS AND KAMAN INDUSTRIAL TECHNOLOGIES FORM STRATEGIC ALLIANCE

Wajax Industrial Components and Kaman Industrial Technologies recently announced that they have formed a strategic alliance, strengthening the services offered to customers having business assets in the U.S., Canada, Mexico and Puerto Rico.

Western University wins the Holcim Sustainable Concrete Toboggan Prize

The Greater Northern Concrete Toboggan Race (GNCTR), a Canadian tradition where hundreds of engineering students build and race concrete toboggans, recently concluded its 39th year in Vancouver, British Columbia. Holcim Canada once again challenged students to build their toboggans in a sustainable manner by offering the Holcim Canada Sustainable

Concrete Toboggan Prize. The entries were evaluated by looking at criteria such as the use of recycled materials, sourcing local materials, after use of the sled and more. Western University won the main race as well as Holcim Canada's prize for building the most sustainable concrete toboggan. Congratulations team Western!

Source: Holcim Canada Inc.



Bobcat Rebar Bender Adds Versatility to Attachment Lineup

Bobcat Company has added more versatility to their attachment lineup with the rebar bender attachment.

Mounted on the left Bob-Tach® mount, the rebar bender comes with five mandrels that provide the ability to bend rebar into a variety of angles and repeat bends for added efficiency and consistency. It offers the ability to bring the equipment right on the jobsite when conditions are soft, rough or muddy. Rebar up to a #6 grade can be bent up to 200°, and the remote attachment control (RAC) allows for easy, safe operation of the rebar bender from outside the cab, and allows operators to start and stop their idled loader or Toolcat™ utility work machine from outside the cab. The wired remote control starts and stops the rotation of the bend pin. An optional bar stop is available that can be set at almost any angle for an automatic stop and a repeatable angle setting.

Compatible machines for the rebar attachment include all Bobcat® skid-steer loaders, compact track loaders, all-wheel steer loaders and Toolcat utility work machines.

Source: Bobcat Company



While each of Wajax Industrial Components and Kaman will remain as separate and independent entities, they will join forces to compete for business-to-business and supply agreements with customers in multiple jurisdictions, providing an alternative to country-based supply agreements. The alliance will be known as "Sourcepoint Industrial".

"North American and global consolidation of an important segment of our customer base and the resulting impact on their purchasing decisions led us to seek new ways to better serve these customers," said Adrian Trotman, president, Wajax Industrial Components, referring to the business trends which led to the alliance. "While both Wajax Industrial Components and Kaman have a proven track record of satisfying customer needs in Canada and the U.S. respectively, neither one could individually cover a customer's needs spanning both countries. This alliance gives customers a viable option to satisfy their North American-wide supply requirements that has unique strengths."

"Historically, North American customers have had a limited choice for suppliers of their power-transmission and motion-control products," said Steve Smidler, president, Kaman Industrial Technologies. "This alliance gives customers an alternative, and an opportunity to benefit from both companies' value propositions. It meets the objectives that customers are trying to achieve in terms of cost control, consistency of service and added value."

Kaman Industrial Technologies operates more than 200 customer service centers and five distribution centers across the U.S., Mexico and Puerto Rico. Wajax Industrial Components has 65 branches and 13 certified service and repair centers in Canada.

With the alliance, North American customers can expect to gain a large portfolio of products, services and technical expertise, along with better cost efficiency, higher productivity and a one-stop shopping experience for their manufacturing operations. Mr. Smidler continued, "More than ever, today's customers are looking for solutions to their production problems. They're looking for solutions for their assets. They're looking for solutions to manage their costs – particularly given today's global economic environment. This alliance is perfectly timed to deliver what North America's manufacturing and resource sectors want to achieve."

"Wajax Industrial Components has skills in hydraulics that can help Kaman's U.S. customers. Kaman has strengths in power transmis-



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sion and motion control engineering that can help Wajax Industrial Components' Canadian customers. The fact that each of Wajax Industrial Components and Kaman operate independently on either side of the border allows us to work together effectively," added Mr. Trotman.

Source: Wajax Industrial Components

HEXAGON STRENGTHENS SOFTWARE PORTFOLIO WITH ACQUISITION OF LISTECH

Hexagon AB, leading global provider of design, measurement and visualization solutions, has acquired Listech, an Australian software development company dedicated to increasing the efficiency, accuracy and productivity of professional surveyors and

engineers.

Founded in 1988, Listech offers world-class software solutions that expedite data processing and streamline workflows in land management, construction and engineering projects. The LISCAD portfolio offers unparalleled functionality over other land surveying and civil engineering software. A comprehensive, fully integrated set of modules offers the flexibility of meeting a specific need or delivering a complete solution. Intuitive and easy to use, LISCAD interfaces with all major surveying, engineering and CAD systems and puts the power of the office in the field with real-time surveying and stakeout.

"When it comes to measuring, mapping,

and recording the physical environment, mistakes can be costly. Whether building a highway, erecting a tower, or performing traditional land surveying services, time-tested practices must be combined with high-tech proficiency," said Hexagon AB president and CEO Ola Rollén. "Listech's robust software solutions offer our customers the ability to ensure timely, high quality, profitable outcomes in their surveying and engineering projects."

Source: Hexagon AB

PALFINGER ESTABLISHES JOINT VENTURE FOR ACCESS PLATFORMS IN ITALY

The PALFINGER Group is establishing Palfinger Platforms Italy Srl., a joint venture with headquarters in Bolzano, Italy. The company, in which PALFINGER holds a majority, will specialize in the development, production and distribution of access platforms. The objective is to open up the high-volume market segment for trucks of up to 3.5 t through the manufacture of reasonably priced truck bodies with easy-to-use technology. The minority shareholder is Sky Aces Srl., an Italian company founded in 2012, whose product range currently includes two solutions for tunnel maintenance. The existing operating business of Sky Aces will be transferred to the new company.

Palfinger Platforms Italy will expand the existing product portfolio of PALFINGER access platforms. While PALFINGER is currently operating exclusively in the high-end segment, the new products are intended to open up the mid-market segment, which is many times larger. In this segment, cost-efficient, standardized access platforms are mounted on trucks registered for up to 3.5 t, which are in demand primarily by municipalities, energy supply companies, infrastructure providers and rental companies. The equipment, which is characterized by its ease of operation and control, will also feature the proven quality of PALFINGER products.

Palfinger Platforms Italy will distribute the entire access platform range of PALFINGER in Italy, and the equipment manufactured in Italy will be distributed through the PALFINGER sales network, for the time being only in Europe and subsequently also in the other markets.

Source: PALFINGER AG

 FGN.N826/5

Palfinger Platforms  F13.1304/1

Elliott Equipment Company Unveils New 45127R 45-Ton BoomTruck

Elliott Equipment Company has unveiled the newest BoomTruck in its lineup, the 45127R BoomTruck with a 40.8 t (45 ton) rated capacity. Designed in partnership with industry leaders, the 45127R is loaded with features and options developed with owner-operators and rental customers in mind.

The 45127R is also the first and highest capacity Elliott Equipment BoomTruck to feature a new design that allows for a 50 state federal bridge legal mounting configuration on 5 axles.

The 45127R offers a 10.5 m retracted to 38.7 m extended 5-section steel telescopic boom with a sheave height of 41.7 m and an optional two-piece 9.7 m to 16.7 m telescopic jib for lifting or aerial basket work. Customers can also select boom lengths of 32.0 m and 43.3 m for additional versatility. Lifting is powered by a heavy-duty two-speed hydraulic planetary winch with a 4,109 kg single line pull, 6,800 kg bare drum pull, and rotation resistant wire rope.

Features available on the new 45127R BoomTruck include a 360° load chart without a front stabilizer, choice of full hydraulic or electric/hydraulic controls, swing counterweight, operator cab with air conditioning, optional wireless remote controls, and a lifetime structural warranty. Accessory packages include a "transmission package" featuring a jib, basket and remotes, and an "oilfield package" featuring an auxiliary winch, rooster sheave, winch drum rotation indicator, and swing counterweight.

Jim Glazer, president of Elliott Equipment Company, states that the development of the new 45127R model stems from Elliott's dedication to continued expansion into the boom truck market. "The 45127R is a new high-capacity crane in Elliott Equipment's boom truck line, reflecting our ongoing dedication to serving construction, utility, oil, and gas customers throughout the globe with the best American-made equipment available. We have worked closely with our dealers and users to design a crane product that directly responds to the demands of some of the largest crane operators in the U.S. market."

Source: Elliott Equipment Company



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Ease of Operation and Fuel Efficiency Drive John Deere 644K Hybrid Loader

The 644K Hybrid Wheel Loader from John Deere is now available for value-driven customers looking to lower owning and operating costs. The diesel-electric hybrid loader captures regenerated energy as it is being created and uses it to power the machine.

The 644K Hybrid is equipped with a 6.8 l John Deere PowerTech™ interim Tier 4 (iT4) engine that runs at an operator-selected constant speed from 900 to 1,800 rpm. The hybrid boasts a net 229 hp and is equipped with all the key features of the conventional John Deere K-Series Wheel Loader line.

The engine's constant operating speed maintains continuous hydraulic flow at all times, which delivers crisp hydraulic responsiveness and reduces cycle times. The electric motor smoothly delivers torque resulting in fluid operation and a smoother ride. As a result, the 644K Hybrid delivers optimal performance for novice and experienced operators alike.

Another benefit of the hybrid design is noise reduction on the jobsite. Since the engine runs at a constant speed instead of increasing and decreasing speed as the machine is worked, the engine noise is continuous and therefore less noticeable to both the operator inside the cab and bystanders outside.

During operation, a simplified, PowerShift™, countershaft-style transmission maintains smooth shifting for added productivity whether the operator is stockpiling, truck loading or ramp climbing. The 644K Hybrid has four operating speed ranges, but no reverse gear or clutches as direction changes are performed by the electric motor. An integrated, spring-applied, hydraulically released wet-disc park brake requires reduced maintenance and increased machine uptime.

Four main components pace the 644K's electric-drive technology – the generator, inverter, motor and brake resistor.

The generator is brushless and converts the rotational energy from the engine into three-phase alternating current (AC) electrical energy. It can also be driven as a motor to use recycled energy to drive hydraulics and save fuel.

The inverter is a solid-state electronic



system designed for reliability, durability, and long life. The water-cooled inverter delivers electrical energy to the motor as demanded by the operator.

The single electric motor is also brushless for added reliability and converts three-phase (AC) back to rotational energy and torque. The motor replaces the job of a torque convertor, but can also work as a generator to recycle energy back into the system.

The water-cooled brake resistor passively consumes energy whenever the power electronics actively control its circuit and is only needed to consume excess recycled energy.

Fleet managers, owners or operators looking to get the most out of their equip-

ment can rely on John Deere WorkSight™, the most comprehensive, easy-to-use suite of technology available for increasing uptime and productivity while lowering operating costs. JDLink™ monitoring provides real-time machine utilization and health data, plus location info. Fleet Care proactively suggests maintenance to prevent costly downtime. Service ADVISOR™ Remote enables the John Deere dealer to read diagnostic codes, record performance data, and even update software without a trip to the jobsite. Integrated payload weighing is also available and enables operators to monitor load data and optimize machine utilization.

Source: Deere & Company



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Doosan DL250 Provides Increased Horsepower and Performance

The upgraded interim Tier 4-compliant (iT4) DL250-3 offers several improvements that enhance its productivity and comfort for moving materials in infrastructure projects, as well as building, site development and livestock production applications. The new DL250-3 does more than meet the iT4 regulations, as its improvements have been designed to result in increased performance and greater reliability.

The 2.8 m³ DL250-3 has been reintroduced as a 172-hp iT4 wheel loader (up from 163 hp in its previous design). It is engineered with a breakout force of 12,300 kg, a full-turn tipping capacity of 9,380 kg pounds and a dump height of 2.8 m. For those requiring additional dumping capabilities, the DL250-3 is also available in a high-lift configuration, extending the dump height to 3.25 m.

Designed with improved lifting performance, the DL250-3 offers operators the ability to set upper and lower limits for



both the lift arm and bucket stop positions from inside the cab. Better lifting capabilities improve cycle times in digging and loading applications, while providing better control of the lift arm and bucket positions. An optional 4th spool control valve provides operators the capability to utilize an attachment that requires an additional hydraulic function, e.g., some snowblowers and snow blades.

As an alternative to the standard limited slip differential, the DL250-3 offers an

optional hydraulic locking front differential.

Service intervals on the front lift arm pins have increased fivefold, from 50 to 250 hours, reducing operating costs and downtime. Tilt cylinder hydraulic hoses have been rerouted for improved hose reliability, better hose movement and improved visibility to the attachment. Lowered front side glass also provides improved visibility of operations.

Source: Doosan Infracore Construction Equipment America

New Walking Mobile Excavator Generation Nominated for bauma Innovation Award

KAISER's new S-Line has been nominated for the bauma Innovation Award 2013.

The new generation of walking mobile excavators features innovative design, improved ergonomics and enhanced driver comfort.

The new design is based on the principle of a compact radius excavator, offering outstanding all-round visibility of the entire working zone. The driver has a direct view of each of the excavator's pads from the cab.

Integration of the new, significantly more powerful drive and cooling system called for innovative technological concepts and presented a major challenge in the design phase. When it came to developing and designing the new walking mobile excavators, KAISER benefited from the excellent collaboration between its own development team and established industrial designers from the firm Design Department based in Linz, Austria.

Walking mobile excavators are built for deployment in arduous and inaccessible

terrain. The driver commonly spends more time on the job compared with other construction sites. For that reason the cab has been specially conceived with the needs of the user in mind. The ergonomic layout of the extensive range of functions has been chosen to greatly facilitate the work of the driver.

The large, dynamically designed air suction and exhaust vents provide an immediate clue to the performance class of the new S-Line. The new models are equipped with the powerful COM IIIB engine which already meets future requirements of the EU vehicle emissions standard. Thanks to their lower center of gravity, the new vehicles in the KAISER S-Line boast even greater stability on extreme slopes.



The main innovation of the new S-Line is the revolutionary hydraulic system ELIS by KAISER (Electronic Load Independent System). ELIS is currently unique in the field of walking mobile excavators. Performance and efficiency can be greatly increased through an intelligent automatic control system. Technical details will be revealed at the official presentation of the new excavator generation at bauma Munich.

Source: KAISER AG Fahrzeugwerk

bauma FGN.N915/1

Silicone Joint Sealants Used in Construction of New Airport Runway

Silicone joint sealants from Dow Corning Corporation were selected for use in the reconstruction of the primary runway at Andrews Air Force Base. Also referred to as Joint Base Andrews, the base operates the only military runway within the U.S. National Capital Region and supports the presidential airlift mission (Air Force One), aeromedical evacuation flights and contingency response scenarios.

The west runway – one of just two at the base – was originally built in 1960 with an expected 25-year lifespan. Not surprisingly, by 2010 it was failing and needed to be completely replaced. The construction project, which began in late summer 2010, involved the replacement of 3,444 m of the 61 m-wide concrete runway and 7.6 m of asphalt shoulder on each side.

Because Joint Base Andrews only has two active runways, the replacement of the west runway needed to be done as quickly as possible to minimize the disruption of

operations. The materials used for the construction of the runway also had to be easy to work with under a variety of weather conditions.

As one-component, cold-applied materials with a constant consistency over a wide temperature range, Dow Corning® 888 Silicone Joint Sealant and Dow Corning® 890-SL Silicone Joint Sealant are ready to be used straight out of the container and can be applied by hand or with a pump – without the need to prime the concrete or asphalt. Dow Corning 888 Silicone Joint Sealant also skins over rapidly, which helps speed up the construction process.

The joints between the large airport runway slabs are specially designed to move within the silicone's superior movement

capabilities (+100/-50%) due to concrete and asphalt thermal expansion cycles and as opposing slabs deflect during an aircraft takeoff or landing. In fact, Dow Corning 888 Silicone Joint Sealant and Dow Corning



890-SL Silicone Joint Sealant meet the Federal Aviation Administration (FAA) P-605 silicone sealant requirements for use in airfield applications, and Dow Corning



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- U.S. Patent #US6 752221B1
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890-SL Silicone Joint Sealant is designed for use in concrete-to-asphalt joints such as the shoulder joints of runways.

The silicone sealants must be stored properly and meet quality standards when they arrive on the jobsite. Kenseal Construction Products, the Dow Corning distributor for the project, knows the standards and helps run field quality checks along with the paving contractor.

The massive runway project required the use of nearly 91 km feet of silicone sealant. Approximately 265,400 concrete-to-concrete contraction joints and more than 2.1 km of concrete-to-concrete expansion joints were sealed with Dow Corning 888 Silicone Joint Sealant, while about 7.6 km of concrete-to-asphalt joints were sealed with Dow Corning 890-SL Silicone Joint Sealant.

Sealants keep water and salts out of the joints, which helps reduce erosion of the subbase and corrosion of the metal tie bars embedded in the concrete slabs. And Dow Corning® sealants are designed to provide a long-term seal that gives ongoing protection.



Photos: Dow Corning Corporation

Dow Corning silicone joint sealants have high movement capability, stretch easily without putting strain on the joint, and readily return to their original size after being stretched or compressed. They also are weather- and UV-resistant, and thus are a durable solution for runway construction projects.

Source: Dow Corning Corporation



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REDUNDANT FORCE TRANSDUCERS FOR SAFETY APPLICATIONS IN CRANES AND LIFTING EQUIPMENT

tecsis Force transducers, used in cranes and other lifting applications, are now available in a redundant version with an additional safety electronic module. The transducers consist of two separate measurement links. The integrated safety module monitors the outputs of both sensors permanently. In case of error, the electronic sets the analogue output to a preset level of for example 2 mA instead of the normal output of 4 – 20 mA. An external control system can detect the error immediately and respond accordingly. The optional safety electronic is specially designed for the high safety demands in cranes. In addition, the force transducers can be used in many other safety related applications, as the relevant key parameters fulfil the requirements according to EN ISO 13849-1. tecs is provides all safety related parameters of the sensors, which are needed for the calculation of the performance level of the application.



The redundant force transducers are used in cranes and other lifting applications. The transducers are available for example as load pins or tension force transducers allowing an easy integration into the application. The user can select from a wide range of different nominal forces. The transducers can withstand harsh environments and have a high electro-magnetic resistance, which is very important especially in cranes.

tecs is  **Bauma A5.140**

INNOVATIVE ONE-STOP SOLUTIONS FOR THE MINERALS & MINING AND STRUCTURAL & CIVIL ENGINEERING SECTORS

At bauma 2013, five ThyssenKrupp companies – ThyssenKrupp Steel Europe, ThyssenKrupp Bautechnik, ThyssenKrupp

Bauservice, ThyssenKrupp Fördertechnik and Berco – will be presenting new materials, handling equipment, machinery and shoring systems.

Whether it is slewing ring bearings, geological surveys or financing strategies – ThyssenKrupp is a one-stop supplier. The German company offers innovative solutions from advice, planning, project management, engineering, construction and delivery to installation and commissioning. The diversified industrial group can also advise customers on all material processing-related issues. Its services range from first-stage processing and logistics to warehouse and inventory management to full supply chain management.



With its range of wear-resistant and high-strength special structural steels marketed under the brand names XAR®, XABO®, N-A-XTRA® and PERFORM®, ThyssenKrupp Steel Europe's Heavy Plate unit offers a broad and varied portfolio on four continents. For example, robust XAR® steels significantly extend the service lives of wear parts in excavator shovels, crushers, conveyors and screens. High-strength N-A-XTRA® and XABO® grades make it possible to reduce the weight of parts in highly stressed structures such as mobile cranes and mining shields without sacrificing performance. PERFORM® was developed specifically for cold forming and is therefore a material of choice for the manufacture of lightweight components in commercial vehicles and mobile cranes.

As a leading system supplier for port and special civil engineering and flood protection, ThyssenKrupp Bautechnik is a recognized partner in infrastructure projects around the world. Its operations center on the sale and hire of steel sheet piling, machinery, anchor equipment and flood protection systems. At this year's exhibition the company will be display-

ing a broad range of products, including performance-enhancing innovations in vibration and drilling technology, anchor solutions for geotechnical projects, new flood protection systems, and the modern steel sheet piling range TKL.



In addition to its established and proven range for structural and civil engineering applications, ThyssenKrupp Bauservice will be showing new products from its RöRo shoring systems unit. They will include the S150 heavy-duty prop system, which features an array of intelligent details and is mainly used in concrete construction. The Emunds/Staudinger + Krings unit will be presenting innovative and cost-efficient shoring solutions as well as useful accessories for civil engineering.

ThyssenKrupp Bauservice

 **Bauma FGN.721/1**

ThyssenKrupp Bautechnik

 **Bauma F8.812A**

ThyssenKrupp Business Services

 **Bauma A6.429**

ThyssenKrupp Fördertechnik

 **Bauma B2.203/302**

ThyssenKrupp KH Mineral

 **Bauma B2.203/302**

ThyssenKrupp Steel Europe

 **Bauma A6.429**

ThyssenKrupp Tiefbautechnik

 **Bauma F8.812A**

WACKER NEUSON WORLD OF EXPERIENCES AT BAUMA 2013

Wacker Neuson will create a world of experiences for the visitors. Within the nearly 6,000 m² exhibition area, there will be many promotional areas where visitors can test and experience products. Demo shows taking place regularly with impressive product presentations in combination with daring athletes will provide for additional excitement in the booth.

The group's entire product range,

consisting of the business units of concrete technology, compaction technology and construction site technology with products from demolition technology, power generation, lighting technology and pumps as well as compact machines, such as excavators, wheel loaders, dumpers and compact loaders, will be presented.



The products from the group brand Kramer Allrad will be exhibited at an area integrated within the Wacker Neuson booth. The Kramer Allrad product range includes wheel loaders, tele wheel loaders and telehandlers.

Wacker Neuson Vertrieb Europa

Bauma F9.909

WOLFF – A CENTURY OF CRANESATIONAL TECHNOLOGY

In 1913 Julius Wolff & Co. presented the world's first fast-assembly mobile tower crane at the Leipzig Trade Fair – a sensation that revolutionized the construction machinery market. A century later WOLFFKRAN still leads the technological development on the crane market. A unique success story that WOLFFKRAN will celebrate at this year's bauma.



At the time praised by the press as a "phenomenal construction", the fast-assembly tower crane is nowadays an indispensable element of every construction project. Whereas at the beginning of the 20th century workers still needed almost

two weeks for the assembly, a tower crane can today be erected within a day.

Brand new product innovations alongside proven classics are evidence that WOLFFKRAN will be living up to its corporate motto "All you need is... WOLFF" also this year. A new trolley jib tower crane and a newly designed cabin will be making their debuts. The recently introduced hydraulic luffer will be shown side-by-side with tried and tested best sellers. The bauma presentation of the premium manufacturer will be crowned by a milestone birthday and promises moments of historic glory.

WOLFFKRAN International

Bauma F9.902/7

TOP TELECRAWLER LINEUP HEADED TO BAUMA 2013

At bauma 2013, Link-Belt will showcase two of its telescopic crawler cranes, designed and built in North America, the 70 t (75-ton) TCC-750 and 100 t (110-ton) TCC-1100. Both Link-Belt machines have had substantial market success. The TCC-750, with success shipped worldwide, and

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the TCC-1100, the third in a growing lineup of telescopic crawlers, has cemented Link-Belt's presence in the telescopic crawler market.



The design for these two cranes focuses on being robust, simple, and reliable for the general contractor or bare rental fleet owner.

The RTC-8080 Series II is also heading to Germany. It rounds out Link-Belt's line of mid-range rough terrain cranes and offers all of the cutting edge features that customers and operators have come to expect from the Series II line.

Link-Belt Construction Equipment

bauma F9.903/3

CUMMINS HIGHLIGHTS 49 HP TO 4,200 HP CAPABILITY

Cummins Inc. will feature one of the most impressive engine lineups ever seen at the bauma show, with a "smallest-to-largest" engine display featuring the QSF2.8 at 49 hp and the QSK95 up to 4200 hp. The 2.8 l and 95 l engines highlight the recent extension of Cummins power at both the low and high ends of the range, now the broadest and most capable in the industry capable of meeting Tier 4 Final emissions.



Small in size and light in weight due to the innovative use of composite materials, the QSF2.8 is ideally suited for highly

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compact equipment such as skid steer loaders and mini-excavators.

The QSK95 is the most powerful 16-cylinder engine ever designed for ultra-class mine haul trucks with up to a 360 t (400 ton) payload.

Cummins

bauma A4.315/412

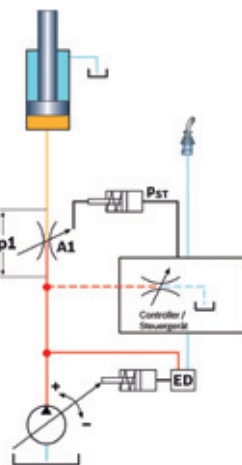
REXROTH SETS NEW STANDARDS FOR EXCAVATORS

Bosch Rexroth has put together a new high-performance component and software package that can reduce the fuel consumption of excavators by up to 20% without compromising performance.

At bauma 2013, the company will present the new "Virtual Bleed Off" (VBO) technology, which sets new standards in this market segment with regard to fuel efficiency and handling.

Bosch Rexroth

bauma A4.319/414



NEW DUAL UNIVERSAL SIGNAL CONVERTER WITH CAN BUS

Visit Axiomatic's booth at bauma 2013 to see I/O Controls, Valve Drivers, Motor Controls, DC-DC Power Converters, Signal Converters, Amplifiers, Simulink, CAN bus, SAE J1939, and CANopen Protocol Converters.

This year, a new dual universal signal converter with CAN bus joins the Axiomatic line of rugged automation products.



The IP67-rated AX130500 features two input signals (analog voltage, current, resistive, frequency/RPM, PWM or digital) and two output signals up to 20 mA.

Output Signals are programmable as 0-5 Vdc, 0-10 Vdc, 0-20 mA, 4-20 mA,

frequency, RPM, PWM or digital ON/OFF signals.

A Model with Simulink® is available on request.

Applications can include: power gen set engine control systems, oil and gas equipment automation, and off-highway machine automation.

AXIOMATIC Technologies

bauma A3.537/636

MOBILE TUNNEL MINER HAS CHANCES FOR AWARD

The latest development from Aker Wirth, the Mobile Tunnel Miner (MTM) for underground tunneling and mining, has been nominated for this year's bauma Innovation Award.



The innovative Mobile Tunnel Miner combines the flexibility of a roadheader with the robustness of a tunnel boring machine. The knowledge gained from a previous version developed and tested already by Aker Wirth is also exploited.

Aker Wirth

bauma C3.123/218


ALLU® SCREENER CRUSHER BUCKET

The ALLU® D-Series Screener Crusher Bucket attachments screen, crush, pulverize, aerate, blend, mix, separate, feed and load materials all in one stage – increasing the profitability and efficiency of various municipal activities, including composting, landfill operations and road construction.



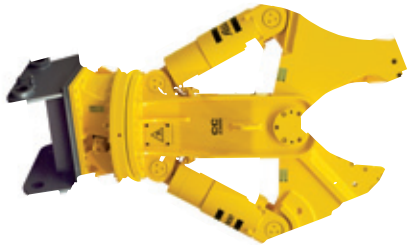
ALLU D-Series Screener Crusher Bucket attachments are available in over 60 models to fit any excavator, wheel loader, skid steer or backhoe.

The ALLU D-Series Screener Crusher Bucket also saves money by lowering transportation costs. It can be easily moved around the job site or to different sites as it is mounted on an excavator, wheel loader, skid steer or backhoe.

ALLU Group  FGN.N718/2

NEW JAW VERSION TURNS COMBI CUTTER INTO MOBILE SHEAR

At bauma 2013, Atlas Copco will launch a new jaw variant that turns the CC 3300 Combi Cutter into a mobile shear.



The CC 3300 follows the design of the entire product line of Atlas Copco hydraulic combi cutters. The system with the 2 movable jaws and the 2 lifting cylinders

has stood the test: it offers a constantly high crushing force throughout the entire closing process.

And the combination of a single- and double-blade jaw arm provides maximum stability even under extreme loads. The new Mobile Shear jaws (MS version) is an addition to the universal jaws (U version), steel cutting jaws (S version, for secondary reduction) and box shape jaws (B version) which are all available for the CC 3300.

Atlas Copco MCT  F11.1108

RDS LAUNCHES LOADMASTER A100

bauma 2013 will see RDS Technology launch the LOADMASTER a100 on-board weighing system that is described by the UK-based manufacturer as being the new industry benchmark in terms of accuracy and ease of use in difficult conditions and terrains.


The RDS LOADMASTER a100 is an all-new CAN based system combining cutting edge sensor technology and signal processing techniques providing precise and consistent weight information.

Also making its bauma debut will be the

Loadmaster iX range of on-board weighing systems which benefit from additional standard features including temperature compensation enhancing system perfor-



mance particularly on machines with a wide variation in operating temperature and angle compensation providing an additional level of precision beneficial on most sites and not only those with obvious slopes.

RDS Technology Ltd.  A3.632

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Astec to exhibit at bauma 2013

Astec, Inc., an Astec Industries, Inc. company, will exhibit as part of the Astec Industries booth at bauma 2013.

On display will be a 1/8 scale model of a complete Astec M-Pack® relocatable asphalt facility. Since its debut at CONEXPO-CON/AGG 2005, the award-winning Astec model has garnered acclaim by putting an entire asphalt plant on a human scale with remarkable attention to detail.

The innovative M-Pack facility is the most advanced relocatable plant on the market today, featuring the Astec exclusive Double Barrel technology and New Generation long-term storage silos. Created for producers who do not move often but want to reap the benefits of fast plant setup when they do, the M-Pack is designed with self-contained, skid-mounted modules for maximum efficiency and cost savings. Another added benefit is the minimal site preparation costs that are required to accommodate an Astec M-Pack Double Barrel plant.



Also on display will be an actual full-size Astec Double Barrel® drum dryer/mixer. The Double Barrel dryer/drum mixer combines the functions of a dryer and a continuous-process mixer in one compact, efficient system. Drying of the virgin aggregate is the first step in the process and takes place inside the inner drum. Mixing of aggregate and other ingredients follows, which happens in the outer chamber of the stationary shell. Each drying and mixing step will be highlighted on this drum.

Equally important to the state-of-the-art

technology and high quality that every Astec plant offers, is their commitment to after-sales service, technical support and parts support. Service personnel are dispatched globally to support the set up and commissioning of plants as well as to train plant operators. Committed to becoming a global leader in asphalt plants, Astec looks forward to meeting with existing and prospective customers during the bauma 2013 exhibition.

Source: Astec Industries, Inc.

bauma F11.1111/5

Australian Construction Supplier Reaps Cost Reductions Through Waste Fines Recovery and Water Treatment

Undoubtedly Australia's largest building and construction materials supplier, Boral Limited has over the years secured its market leading position with the development of three main divisions, namely construction materials, cement and a diverse range of building products. Alongside significant operations in United States and Asia, Boral has successfully established The Boral Construction Materials division in their domestic market with around 400 operating sites; ensuring that the construction materials division has a regional focus to serve the company's local markets.

Situated in Moora, north of Perth, Boral Ltd is currently on contract with a quarry operation owned by Simcoa Operations, a company committed to producing the world's highest quality silicon from a site that has been in operation for over 20 years.

At the outset, Boral's ultimate aim was to produce a high quality quartzite ore for use by Simcoa in their silicon production process. This ore is typically 25-75 mm in

size, with all 0-7 mm previously being sent to the waste lagoons. Boral essentially wanted to implement a process whereby water could be recycled and recovered from within an extremely dry climate where water supply is limited.

Boral invested in a CDE EvoWash 101 Fines Recovery Sand plant complete with an M1508 Radial Stockpile conveyor and a LQPP 25 flocculant make up and dosing system.

With the chosen equipment, the end result is a high quality, fine sand recovery with an efficient cut at 63 µm. Before the introduction of the new CDE fines recovery plant, the operation was losing a significant proportion of quality fines to the waste ponds.

The main ore product is smelted by Simcoa Operations for a variety of purposes including silicon chips, improving the strength of aluminium, optical glass, and use in solar energy, namely for the production of solar panels.

The improved opportunities for the



recycling of process water and reduction of fines to settling ponds have facilitated a move to production throughout the year, where previously the site was operating only over an 8 month period.

The by-products of the production process are currently sold off to third parties in the region for various uses including further processing and general aggregate use, thus ensuring that there is zero waste from the process.

CDE Global

bauma FGN.N1022

Xylem Launches Mobile App for Water Removal and Flood Control Solutions

Xylem Inc. has launched a new mobile app version of its popular Xylem Dewatering Handbook. The app provides customers with quick and easy access to dewatering, water removal and flood control pump product information while "on the go". It enables customers to select products from Xylem's Flygt and Godwin brands, from any location, simply using a smartphone.

Xylem designed the app so that customers can search for the ideal product to meet their particular dewatering needs. Available in the English language for iOS devices, customers can search by product type and find a set of convenient calculators for friction loss, pressure, power and flow conversion. The app will also be available for Android devices in the coming weeks.

Commenting on the new app, Andrew Jones, head of Xylem's dewatering business said: "By developing the Xylem Dewatering Handbook App, we are providing a free service for our customers that

will deliver Xylem's expertise directly into the palm of their hand. Our customers predominantly work on site and being able to access information on the move is important to them. Water removal and flood control demands a 24/7, customer-centric, responsive dewatering partner; we take pride in that and the Xylem Dewatering Handbook App is another way of us delivering on that promise."

"As a leading global water technology provider, we are constantly seeking to embrace technology to ensure that our customer service is exemplary. The Xylem Dewatering Handbook App provides our customers globally with the ability to access product information from a smartphone anywhere in the world," Mr. Jones continued.

The app also features a GPS enhanced "locate and contact us" function which allows the user to easily find a Xylem

representative in close proximity to where they are located.


The Xylem Dewatering Handbook app is available free for download at the iTunes App Store®.

Source: Xylem, Inc.


Xylem Water Solutions Deutschland GmbH

Bauma A6.543







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Booth #2113/46




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Brian Barnes, Helifix Inc.
Special Collaboration

Located in Marco Island, Florida, the Veracruz of Cape Marco is the tallest high-rise condominium complex in the world-renowned Cape Marco community. Spanning 24 floors, it boasts panoramic views of the Gulf of Mexico and is surrounded by 12 ha of beautifully landscaped beachfront grounds. However, trouble in paradise was becoming apparent as the humid climate of the oasis complex was beginning to take its toll. The building's exterior stucco façade was in a state of cracking and disrepair.

Given the extreme heat conditions and Florida's coastal environment, rarely does a building go beyond 25 years without requiring advanced restoration. Built in 2005, the Veracruz was on a fast-track of restoration needs as the climate's high humidity and moisture quickly began deteriorating the concrete structure's stucco façade. The ensuing breakdown of the bond between the stucco and backup material was resulting in severe stucco damage throughout the complex's vast 24-floor span. This could result in costly infrastructure repair as well as potentially dangerous loose stucco.

The Veracruz Condominium Association had planned to paint the entire complex so

they asked Delta Engineering & Inspection, Inc. of Sarasota, Florida, to first evaluate the condition of cracks in the building's exterior stucco. According to Dan Reed, Delta Engineering's project manager, "The initial repaint of a building is usually the first opportunity to assess the condition of a building's stucco façade. This allows us to design repairs before further damage occurs."

To avoid the costly and time consuming replacement and reinstallation of the damaged stucco, Delta enlisted leading industrial masonry repair reinforcement system manufacturer Helifix®, Inc. from Streetsboro, Ohio, to implement their precision engineered StuccoPin system.

The StuccoPin system leverages a special short version of Helifix's patented, slim profile, precision engineered DryFix helical tie (stainless steel; grade 304 or 316). The drawn stainless steel manufacturing process that creates the helical hi-fin design more than doubles the proof stress. With its relatively small diameter the system provides substantial tensile properties to the stucco and concrete.

Notably, the system effectively stabilizes damaged stucco without tearing-off and re-rendering or chemical anchoring with large pins. Quick, economical and easy to install, StuccoPin also accommodates differential movement and resists wind loads and ground vibrations all while providing a clean finish with minimal visual impact. This is vital to maintaining the luxurious ambience of the Veracruz high-rise complex's exterior façade.

Before restoration began in the spring of 2012, Helifix's vice president of Sales, Brian

Barnes, and Delta Engineering's Dan Reed, conducted "pull tests" of the building's existing stucco and substrates. These tests were vital in determining the most efficient use of Helifix's 8 mm StuccoPin anchors for optimal strength.

Testing was performed on the second floor at the northeast corner of the Veracruz complex on both the stucco and the concrete alone. The tests were done completely perpendicular to the wall in the area showing the most cracking. A pilot

hole was drilled through the stucco and into the backup using a rotary percussion 3-jaw-chuck drill. The StuccoPin was then driven into the stucco using the StuccoPin Power Driver Attachment (PDA 0802) fitted to a SDS rotary hammer drill (650 W/700 W).

Helifix also recommended that the ties be installed at a 45° downward angle. This



was essential to increase the surface area of the helical tie embedded in the stucco thus increasing the pull-out capacity of the pin from the stucco. The results of the testing averaged a significant pull out value.

With the positive pull test data approved and the guidance of Helifix on-site, installation procedures were initiated by Complete General Contractors (CGC) of Sarasota, Florida. CGC western sales manager, Josh

Senevey, states "This is the largest project we've used Helifix's StuccoPin system on so the pull tests were vital to ensure the system would provide superior hold for the Veracruz high-rise complex."

Mr. Senevey also noted that the initial installation on eight key "drop points" (designated areas of weakness) on the building's first few floors went seamlessly. "We used approximately 800 StuccoPins and all de-bonded areas were pinned. The pinning extended at least 60 cm outside the affected areas for strength. Installation is as simple as drilling the pilot hole, driving the tie in and caulking over the hole. This saves a substantial amount of time versus entirely removing the stucco and replacing it."

With the effective use of Helifix's concealed, non-disruptive StuccoPin system, the completion of the restoration of the Veracruz of Cape Marco was right on target.

Innovative founders of the one-piece helical tie and retrofit masonry reinforcement, Helifix®, Inc. has amassed over 25 years of market leading structural masonry res-



toration system experience in the United Kingdom and United States combined. Helifix has engineered a comprehensive package of cost-effective, stress-free, and fully concealed (once installed) remedial ties, fixings, crack stitching bars, masonry reinforcement products and techniques that comprise its world renowned Helibeam System®. Independently tested and

approved, Helifix products are manufactured at its own factory to ISO 9001:2000 international quality standards. Products are available direct, through all major reputable merchants in Canada and exported worldwide. Helifix is also AIA (American Institute of Architects) approved and offers free training seminars anywhere in the United States and Canada.

Hilti Launches World's First Cordless Combihammer

The new Hilti TE 30-A36 is the world's first cordless combihammer drill and it delivers on productivity. With a drilling range of 1/4" -1" diameter with SDS+ (TE-C) drill bits, and up to 3-1/2" using percussion core bits, the TE 30-A36 drills and chips into concrete up to 40% faster than the largest SDS corded tools on the market. This speed is made possible due to the high efficiency brushless motor and higher mass hammering mechanism. Professionals can now do demanding applications never before possible with a cordless tool and work longer because the TE 30-A36 comes with the highest capacity battery on the market, the new 36 volt, 6.0 amp hour battery which provides more than double the work per charge of other batteries.

There is no need to drag out the extension cord or compressor, the TE 30-A36 Combihammer boasts extreme performance and extreme run

time never seen before in a cordless tool and the widest range of applications on the market. By combining the high-capacity battery and utilizing Hilti brushless motor technology, Hilti is providing a cordless solution that delivers a single impact energy of 2.7 ft-lbs and a full



hammering frequency of 4,500 impacts per minute—rivaling its corded counterpart.

The TE 30-A36 also features the Active



Torque Control (ATC) system for increased operator protection if a bit binds while drilling and active vibration reduction (AVR) to improve operator comfort and productivity.

The TE 30-A36, batteries and chargers also are covered by Hilti's Lifetime Service, a unique service agreement that includes two years of wear and tear, no-cost coverage*. In fact, the system is so good, that with Hilti Tool Fleet Management, the tools and batteries are covered for four years, including wear and tear.

**Some limitations apply. Contact Hilti for details.*

Source: Hilti, Inc.



Automotive Lift Institute (ALI) Supports 2013 Petty's Garage Performance Tour

Automotive Lift Institute (ALI) will partner with Petty's Garage to support the Petty's Garage Performance Tour for its second year in 2013.

The Performance Tour brings Petty's Garage expert car designers and builders, custom parts, and unique vehicles directly to fans and auto enthusiasts at events across the United States. Among the cars on display as part of the tour is the Legacy by Petty Challenger, a custom Dodge Challenger convertible built by Petty's Garage as a tribute to Richard "The King" Petty by ALI.

"The 2012 Petty's Garage Performance Tour was a fantastic avenue for spreading the ALI vehicle lift safety message across the country. We saw a significant increase in traffic to our website and Facebook page as a result of the exposure our 'Your Safety Is Riding On It' message got on the tour," O'Gorman says. "We're happy to be back this year as we launch our ALI Lift Inspec-



tor Certification Program. The tour gives us the chance to build on the excitement Richard Petty helped us create when he appeared at our kickoff event at the SEMA Show in November."

The relationship between ALI and Petty's Garage stretches back to 2005, when Richard and Kyle Petty teamed up to host ALI's *Lifting It Right* DVD lift safety training program. ALI also sponsors the Petty's Garage annual Spring Fling Car Show. And

in 2012, ALI was the primary partner on the Richard Petty Motorsports No. 43 Ford Fusion in the NASCAR Sprint Cup Series Pennsylvania 400 at Pocono Raceway.

"The Performance Tour is our opportunity to bring Petty's Garage from Randleman, North Carolina, where it all started for me and my family, directly to our fans at events around the country," Richard Petty says. "We appreciate our partners, including ALI, Continental Tire and

Subaru Introduces Big Block Engines at World of Concrete

Subaru Industrial Engines introduced two new big block V-Twin engines at World of Concrete, held in Las Vegas last February. The 35-hp EH90 and 40-hp EH99 meet a growing demand for larger, air-cooled gasoline engines that deliver increased power for a wider range of applications. The engines are ideal for equipment like concrete polishers, riding trowels, utility vehicles, zero-turn mowers and ride-on blowers.

The EH90 and EH99 are extremely durable, low maintenance and feature heat-reduction technology. Both engines are 999cc and feature heavy-duty connecting rods, large crankshaft bearings and three-ring pistons. The hardened exhaust valve and seats can handle high temperatures, which improves engine performance, efficiency and overall life of the engine. Temperature sensors are located on the engine heads and will shut off the engine to prevent any damage from overheating due to clogged air intake valves.

In addition, the standard four-cycle OHV (overhead valve) gasoline engines

feature a dual element air filter that protects the engine from dust and reduces maintenance. A Donaldson® canister style air cleaner comes standard on both engine configurations and has an inlet pre-cleaner, which offers additional filtration by removing a majority of the particles before they reach the filter, thereby minimizing maintenance and extending the intervals between cleanings or filter changes.

Furthermore, a low oil pressure sensor allows equipment manufacturers to offer control panel alerts or automatic engine shutoff. Pressurized lubrication systems keep the engine well lubricated by pumping oil directly to every critical bearing, even when a piece of

equipment is operating at extreme angles. The pressurized lubrication system also allows the OHV engine to use an automotive grade spin-on oil filter, which does an exceptional job of removing dirt and carbon solids to keep the oil clean and extend the time between oil changes. The engine also has an oversized oil cooler to reduce the temperature of the oil in the engine to extend oil life.

The big block engines comply with all current EPA and CARB requirements and provide a viable alternative to diesel engines. Both engines are backed by Subaru's 5-year limited warranty, the first and only 5-year warranty in the industry.

Source: Robin America, Inc.



Forgeline Wheels, making it possible for us to connect with fellow car enthusiasts at great events like the Hot Rod Power Tour, Goodguys and select races."

The ALI Lift Inspector Certification Program was created to provide third-party qualification of vehicle lift inspectors and to certify those who demonstrate that they are qualified to properly inspect vehicle lifts in accordance with ANSI standards and in support of OSHA's General Duty Clause and provincial requirements in Canada.

Source: Automotive Lift Institute (ALI)

2014 Toyota Tundra Unveiled at the Chicago Auto Show

The dependable Toyota Tundra will be redesigned for 2014. It continues to be a truck with true North American roots that was once again engineered by Toyota Technical Center in Michigan, and its new look designed by Calty Design Research centers in California and Michigan. Finally, Tundra continues to be assembled exclusively at Toyota Motor Manufacturing, in Texas.

The 2014 Tundra will be offered in three cab styles. The two-door Regular Cab and four-door Double Cab are available in 4x2 and 4x4 configurations, and four-door CrewMax is a standard 4x4 configuration.

Two proven powertrains will be available: a 4.6 l i-Force V8 with 310 hp and 327 lb ft of torque, and the 5.7 l i-Force V8 with 381 hp and 401 lb ft of torque. Both

engines are matched to a 6-speed automatic transmission. Tundra remains the only full-size pickup in the segment to adhere



to the SAE J2807 towing standard. When equipped with a tow package, Tundra has a maximum tow capacity of up to 4,762 kg in the 4x2 Regular Cab configuration.

The redesigned 2014 Tundra will reach Toyota dealers in September.

Source: Toyota Canada Inc.

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Ram to Build Light-duty Diesel Pickup

Beginning in third-quarter 2013, Ram will become the only brand in North America to offer a small-displacement diesel engine for its half-ton line of trucks.

The 2014 Ram 1500 will offer a new, 3.0 l V6 EcoDiesel engine, mated with the 8-speed TorqueFlite™ automatic transmission. The powertrain is expected to deliver an outstanding combination of best-in-class fuel efficiency, best-in-class torque and impressive capability.

The 2013 Ram 1500 won Motor Trend's 2013 Truck of the Year, The North American 2013 Truck of the Year and the 2013 Truck of Texas – a rare trifecta in the pickup segment. Building on the award-winning truck, the 2014 Ram 1500 EcoDiesel will further stretch its best-in-class fuel economy title lead and continue to raise the innovation bar in one of the automotive industry's most customer-loyal segments.

The new 3.0 l V6 EcoDiesel is among today's most advanced diesel engines. Its impressive combination of torque and fuel economy marks new levels of performance for small V6 engines.

Ram's newest turbo diesel engine is manufactured by VM Motori, in Cento, Italy.

Source: Chrysler Canada Inc.



The Canada North Resources Expo Launches Exciting New Features

The producers of the all new Canada North Resources Expo (CNRE) – to be held May 31 - June 1, 2013, in Prince George, British Columbia – are pleased to report that the event is well underway. Booth sales are going extremely well, with lots of machinery exhibits and several exciting features planned that will showcase the Big Iron front and center at this mammoth event. The CNRE comes at an exciting time for this region and the industry as a whole.

Northern British Columbia is bustling with activity in regards to forestry, mining, pipelines, energy generation, transportation, oil & gas and so much more. The event will focus on the machinery, products, technology, services, talent and manpower needed to get the infrastructure developed, as these mega-projects ramp-up.

Source: Master Promotions Ltd

bC India Succeeds in Attracting Top Decision-Makers

Despite the challenging situation in the construction machinery industry, A BAUMA CONEXPO SHOW – bC India impressively strengthened its position in the Indian market. More than 28,000 professional visitors attended the show, which took place at the Bandra Kurla Complex in Mumbai from February 5 to 8, 2013.

Thomas Löffler, CEO of the show's organizer, bC Expo India Pvt. Ltd., looks upon the results highly favorably: "The visitor numbers are satisfying in times like this. Therefore, I hope that the success of bC India indicates a return to growth in the Indian construction market."

Just like at the show's premiere, the high quality of the visitors as well as the organization of the event were highly appreciated by the exhibitors.

All in all, 710 exhibitors from 33 countries took part in the second edition of this International Trade Fair for Construction Machinery, Building Material Machines, Mining Machines and Construction Vehicles, which occupied 150,000 m² of exhibition space. Of the 710 exhibitors, 61% were international exhibitors. As a result of this global interest, the show featured nine national pavilions, namely from China, France, Germany, Italy, Japan, Korea, Poland, Spain and the United Kingdom.

Source: Association of Equipment Manufacturers
Messe München International

Ballistic HC iPhone Case

For most of you, your phone holds all kinds of sensitive information. That is why you need to keep your phone safe from harm.

For this reason, the Ballistic® Hard Core (HC) Series Case is engineered with 5 layers of protection, including a built in screen protector, water-resistant mesh over all speakers and a durable rotating holster. This case offers security from drops, fingerprints, scratches, dust and well... pretty much any hazard. Models are available to fit iPhone 4, 4S and 5, and come in many colors.

Source: Ballistic Case Company



Appointments

Sellick Equipment Limited, manufacturer of rough terrain and truck-mounted forklifts, is pleased to announce the appointment of **Dave Bristow** to the position of Eastern Region sales manager. With over 35 years of sales management experience in both material handling retail distribution and construction equipment manufacturing, he will be very instrumental to the continued growth of Sellick dealers and their market share.

Mr. Bristow will take over for Colin Sellick who has been appointed to the newly created factory position of Process Systems manager.

Sellick Equipment Limited is also pleased to announce the appointment of **Dan Denney** as Product Specialist, TMFL. He brings over 25 years of truck-mounted forklift product design and field application to this expanding product line. He will be directly involved with major fleet accounts and Sellick dealers across North America.

Source: Sellick Equipment Limited

Debevoise & Plimpton LLP is pleased to announce that **Douglas B. Buchanan** has joined the firm in its New York office as Counsel and Co-Head of the firm's Global Infrastructure and Project Finance Group. In his new role Mr. Buchanan's primary focus will be on growing the firm's global project development and project finance practice, principally in the areas of infrastructure and public-private partnerships ("PPPs"), and secondarily in the areas of natural resources and energy.

Mr. Buchanan has particular expertise in the development and financing of infrastructure and PPP projects. He built and led the infrastructure and PPP group at the Canadian law firm Davis LLP, where he was most recently a senior partner.

Source: Debevoise & Plimpton LLP

Ed Gibson has recently been appointed sales manager of **Global Crane Sales** for North America and Latin America. He is in charge of developing sales strategies, goals and future planning for the company's line of Zoomlion cranes.

Mr. Gibson joined the Global team in July 2009 after spending much of his career as a district manager with Link-Belt. He has helped shape the philosophy of Global Crane Sales by bringing insight into the expectations and demands of customers.

Source: Global Crane Sales

Transportation Maintenance and Technology Conference

Thanks to the invaluable input and generous cooperation of the Transportation Maintenance and Technology Association (TMTA) membership, and other associates in the industry, the first annual Transportation Maintenance and Technology Conference (TMTC) event will be held on May 6 - 8, 2013 at the Kingbridge Conference Centre & Institute, in King City, Ontario.

This inaugural Transportation Maintenance and Technology Conference (TMTC) has something for everyone!

The TMTC Planning Committee has put together some very informative seminars,

workshops and panels to discuss current issues that affect transportation businesses. The plan is to have a unique trade fair with no risk of exhibiting in a "bad" aisle, because there is only one continuous circle. That is right, a 1/8th mile indoor walking track. There will also be beverages and food to help attendees and exhibitors to network easily. There will not be the typical exhibitor stress of setting up and then shipping back to the home office an elaborate booth! They WILL NOT FIT in the space allowed. Simply bring along a couple of pop-up displays, literature and business

cards and you are good to go!

It is important for exhibitors and/or attendees to register before March 29th to ensure an on-site guest room. There are only 124 rooms available, but the hotel will have taxis cabs available, if required. There is also plenty of free parking on-site which makes staying at one of the alternate hotels in the area almost as convenient.

Please register early, in order to greatly assist the TMTC staff in accommodating everyone's needs. See you in King City!

Source: Transportation Maintenance and Technology Conference

WMTS Returns to Edmonton

Exhibit space is 99% sold and excitement is growing for the Western Manufacturing Technology Show (WMTS), which features cutting-edge technology and world-class education to equip western Canadian manufacturers with the tools and knowledge to help them overcome today's challenges and grow their businesses.

Proudly presented by the Society of Manufacturing Engineers, WMTS will be held in Edmonton from June 4 to 6, 2013. As the people of Alberta's manufacturing

sector are planning their future, the time is now for industry professionals to address production challenges and learn about the latest technologies and best practices to remain competitive.

"For manufacturers, WMTS is the place to learn, evaluate and compare technologies and solutions on a one-on-one basis. All under one roof, over three days," says Janine Saperson, event manager. More than 2,000 attendees are expected at this highly anticipated biennial event.

The Society of Manufacturing Engineers (SME) is the world's leading resource for manufacturing information and knowledge. With Canadian headquarters in Toronto, Ontario, the society promotes an increased awareness of the value of manufacturing among industry professionals and the general public, while supporting educational initiatives and introducing career options for those entering the industry.

Source: Wild Rose Communications

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Agenda

2013 World of Asphalt Show & Conference and AGG1

March 19 - 21, 2013
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Brazil Road Expo 2013

March 19 - 21, 2013
São Paulo, Brazil

48th AQTR Annual Convention

March 25 - 27, 2013
Montreal, QC Canada

bauma 2013

April 15 - 21, 2013
Munich, Germany

National Heavy Equipment Show

April 18 - 19, 2013
Mississauga, ON Canada

4th AQEI's Annual Convention

April 18 - 19, 2013
Québec City, QC Canada

WASSER BERLIN INTERNATIONAL

April 23 - 26, 2013
Berlin, Germany

Coal Prep International Exhibition & Conference

April 29 - May 2, 2013
Lexington, KY USA

Canada North Resources Expo

May 31 - June 1, 2013
Prince George, BC Canada

Road & Traffic Azerbaijan / Transcaucasian 2013

June 13 - 15, 2013
Baku, Azerbaijan

Concrete Show China

June 26 - 28, 2013
Shanghai, China

ISARC 2013 - 30th International Symposium on Automation and Robotics in Construction & 23rd World Mining Congress & Expo

August 11 - 15, 2013
Montreal, QC Canada

bauma Africa 2013

September 18 - 21, 2013
Johannesburg, South Africa

Démo Forêt 2000

September 20 - 22, 2013
Dolbeau-Mistassini, QC Canada

International Construction and Utility Equipment Exposition (ICUEE)

October 1 - 3, 2013
Louisville, KY USA

6th Annual WaterSmart Innovations Conference and Exposition

October 2 - 4, 2013
Las Vegas, NV USA

MS AFRICA & MIDDLE EAST, The International Trade Fair for Stone Design, Technology, Earthmoving and Building Machinery

December 9 - 13, 2013
Cairo, Egypt

INTERMAT Middle East

January 20 - 22, 2014
Abu Dhabi, United Arab Emirates

CONEXPO-CON/AGG and IFPE exhibitions

March 4 - 8, 2014
Las Vegas, NV USA

SMOPyC 2014 International Show of Public Works, Construction And Mining Machinery

April 1 - 5, 2014
Zaragoza, Spain

Journée Expo-Bitume

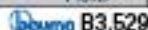
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