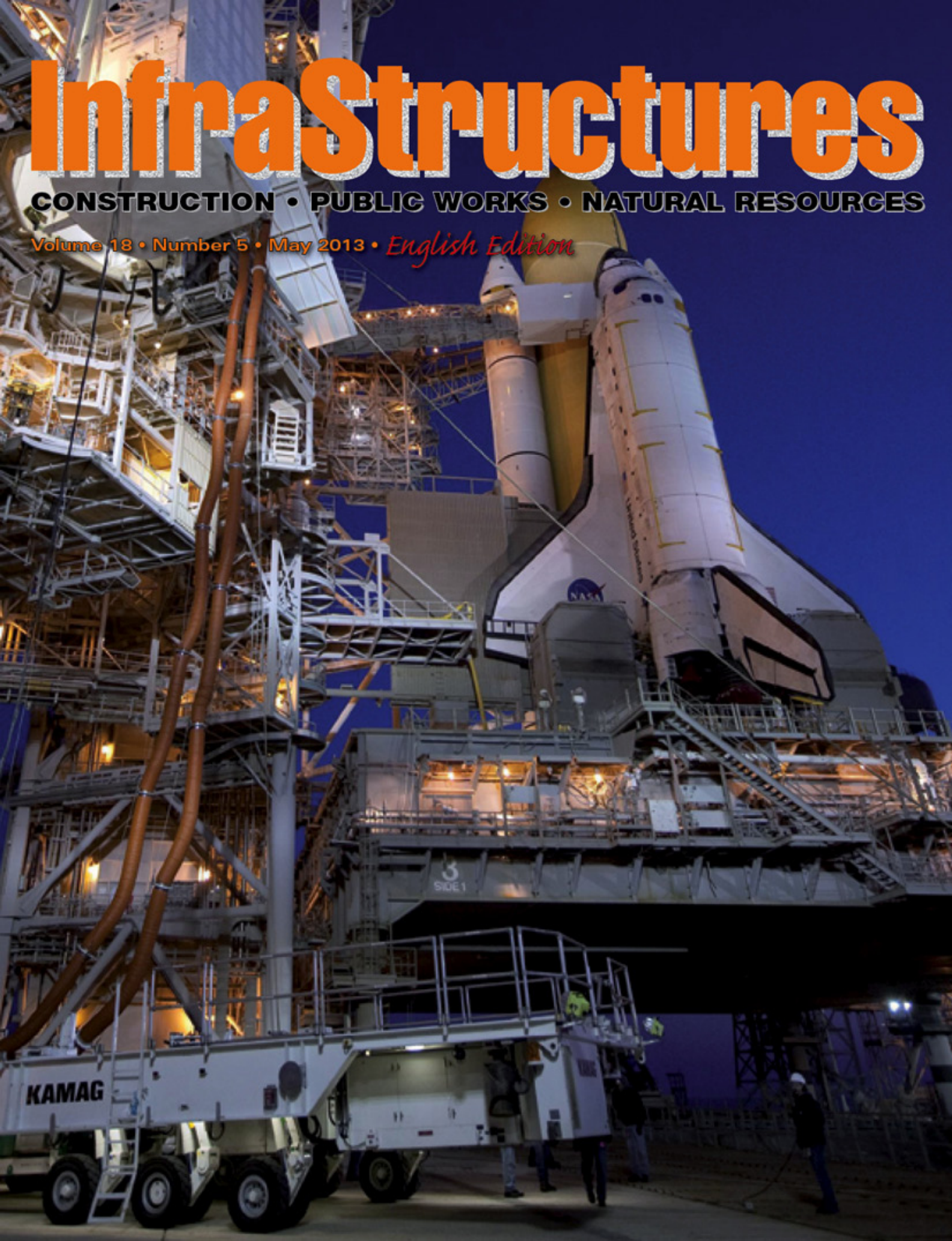


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Volume 18 • Number 5 • May 2013 • *English Edition*



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PUBLISHER

Jean-François Villard
editor@infrastructures.com

CONTRIBUTING EDITOR

Rob Holden
toronto@infrastructures.com

ADVERTISING SALES

Mario Robichaud
sales@infrastructures.com

TELEPHONE

514-233-1295
613-862-1295
416-795-1295

FAX: 514-528-9932

ADDRESS CORECTIONS

Send us your address changes by E-Mail to:
subscriptions@infrastructures.com

MAILING ADDRESS

4330 Saint-Hubert Street
Montreal (Quebec) H2J 2W7

INTERNET

www.infrastructures.com



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A Brief Word...

So, summer has finally shone through, and like the sprouting grass, trucks and equipment are turning up everywhere.

The show season is behind us with the success of bauma, and all eyes are on how this year will proceed.

If you were too busy preparing for the season to take it in, bauma is presented here, so at least you can stay informed about what's happening.

Being informed is why you're reading Canada's leading industry magazine. InfraStructures has set a benchmark with readers like you and we strive in every issue to not just tell you the obvious about what's happening in your industry.

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On the cover:

a Kamag special vehicle was used by NASA to carry the Payload Canister on the first part of its journey to the launch pad. The canister is placed vertically on the vehicle so its cargo can be transferred into a space shuttle, ready for launch.

NASA has been a customer of Kamag vehicles since 1979.

NEW SALES OFFICES FOR RUUKKI IN CANADA AND CHILE

Ruukki has opened new sales offices in Toronto, Canada and Santiago, Chile to serve its special steel customers in Americas. Opening these new sales offices is in line with Ruukki's strategy to increase the share of special steel products and develop its distribution and partnership network.

"We want to be close to customers in order to ensure fast and flexible service.

The growing construction and mining industries in this market area are increasing the demand for special steel products," says Josu Piña, vice president, Americas at Ruukki.

Customers benefit from high-strength Ruukki Optim and wear-resistant Ruukki Raex steel products through the prolonged lifetime or increased structural load-bearing capacity of their own products. In heavy transport applications, use of special

steel products can reduce weight and significantly cut fuel costs and CO₂ emissions. Raex steels rank among the toughest and hardest steels in their class worldwide.

Ruukki is committed to continuously improving the energy efficiency of its steel production. The company ranks among the most energy-efficient in the world in iron-making and uses nearly the minimum amount of coking coal possible using current technology. Strong R&D capability enables Ruukki to develop high quality products in response to the market and various industries' needs.

Source: Ruukki Metals

NEW TEREX ARTICULATED AND RIGID TRUCK DISTRIBUTOR IN NEWFOUNDLAND AND LABRADOR

Atlantic Powertrain & Equipment Inc. now offers Terex® articulated and rigid trucks to customers in Newfoundland and Labrador. In addition to sales and rental opportunities, Atlantic Powertrain will provide customers with parts, service and warranty work for Terex trucks, as well as financing options for qualified customers.

"We are pleased to welcome Atlantic Powertrain as a new Terex truck distributor," said Dean Barley, vice president and general manager, Terex Construction Americas. "As oil and gas exploration, as well as the mining industry and civil construction market, continue to grow in this area of Canada, the Terex truck line allows Atlantic Powertrain to be better positioned to service and support their customers' expanded business opportunities."

Founded in 2002, Atlantic Powertrain is owned and operated by Chris Dunn. Atlantic Powertrain focuses on the construction equipment industry, serving small-, medium- and large-sized contractors. Today, the company employs seven full-time staff, including fully certified Red Seal heavy equipment technicians who are available to service customers' equipment 24/7.

"Adding the Terex articulated and rigid truck line allows Atlantic Powertrain to best serve our customers' equipment needs with a well-known, well-respected, durable brand that complements our other product and service offerings," says Mr. Dunn.

In addition to offering the full Terex articulated and rigid truck line, Atlantic Powertrain will offer customers financing options through Terex Financial Services™. Terex Financial Services offers a range of



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finance and leasing solutions, structured to accommodate customers' cash flow and budgets. The Terex Financial Services team is equipped to assist in all areas of asset management, from the analysis of future equipment values through the disposal of used equipment.

Source: Terex Corporation

LARGEST NATIONAL HEAVY EQUIPMENT SHOW ON RECORD

The big iron was gleaming and the floors of the International Centre were jam-packed, as the sold out National Heavy Equipment Show rolled into Toronto on April 18-19, 2013.

Over 12,000 visitors came through the doors of this massive event and they were not left disappointed. The aisles were crowded even though the show encompassed the largest floor space ever, which included almost 3 ha of exhibit space! Over 300 exhibitors participated in this biennial event, up 25% over the last show, some from as far away as Austria.

All the major manufacturers and brands were well represented with impressive displays featuring the latest, most innovative machinery and products on the market to date. Exhibitors reported excellent traffic and many sales and solid leads to follow up on in the months to come. Major construction projects are in the works during the next several years and the buyers were definitely present at this event.

The organizers now look towards 2015. Stay tuned for updates about the next National Heavy Equipment Show.

Source: Master Promotions

bauma 2013 BREAKS ALL RECORDS

An impressive 530,000 visitors from over 200 countries converged on the Messe München exhibition center between April 15 and 21. Not only did this edition of bauma break all previous records for exhibitor numbers and exhibition space, it also attracted the highest number of visitors ever. "This is very good for our industry in these turbulent times and it will certainly give it a boost," said Johann Sailer, chairman of the Construction Equipment and Building Material Machinery Association of VDMA and president of the Committee for the European Construction Equipment Industry (CECE).

In total, 3,420 exhibitors – 1,346 from Germany and 2,074 from abroad – from 57

countries presented their latest products and innovations in construction and mining machinery at bauma 2013 on a record exhibition space of 570,000 m².

The next bauma will take place from April 11 to 17, 2016 in Munich.

Source: Messe München International

IRONPLANET LAUNCHES TRUCKPLANET

IronPlanet® recently launched TruckPlanet™, an online marketplace dedicated exclusively to buying and selling used commercial trucks.

"We are very excited to bring the same marketplace that changed the used equipment business to the truck industry," said Greg Owens, CEO of IronPlanet. "Truck buyers and sellers can now enjoy the convenience and confidence at TruckPlanet that our used equipment customers have come to know and trust at IronPlanet."

Since IronPlanet pioneered online equipment auctions over a decade ago, the company has sold over \$3 billion of used equipment including thousands of trucks. TruckPlanet connects buyers and sellers of used commercial trucks through its online auctions and exclusive IronClad Assurance® buyer protection program.

"With more than \$500 million of used trucks sold to date, IronPlanet has proven expertise in helping customers buy and sell used trucks," said Randy Berry, senior vice president of operations and services, IronPlanet. "We are leveraging our 13 plus years of used heavy equipment and vocational truck expertise to create a flexible online marketplace that meets the specific needs of the over-the-road commercial truck industry."

From day cabs to sleepers, refrigerated trucks to flatbeds, and light-duty work

Ammann Opens Factory In Brazil

The first asphalt mixing plants are already being assembled at the Ammann plant in Brazil even though the final founding documents were only signed at the end of November. Ammann continues to pursue its expansion strategy to grow from an international to a global provider of road construction equipment and has invested in a new plant with an assembly area of 5,000 m² and 300 m² of office space in Gravataí, situated in the agglomeration of the southern Brazilian metropolis of Porto Alegre.

The new plant was officially opened on April 4, 2013 in the presence of Dr Tarso Genro, governor of the federal state of Rio

Grande do Sul, secretary of state Dr Mauro Knijnik, mayor of Gravataí Marco Alba, Swiss ambassador Wilhelm Meier and Hans-Christian Schneider, CEO of the Ammann Group.

Ammann presented a selection of compaction machines, the complete range of pavers and the assembly process for the ultra-mobile asphalt mixing plant Prime 140 as part of the opening celebrations.

The mid-term strategy is to produce several dozens of asphalt mixing plants of the Prime 140 type at the plant each year alongside pavers and compaction machinery. The Brazilian unit is responsible for marketing the entire product range in Latin America, i.e. from Mexico across the entire Caribbean to Tierra del Fuego at the southern-most tip of Argentina, and will also provide customer care through its own Service Team.

Source: Ammann



From l. to r.: Secretary of state Dr Mauro Knijnik, mayor of Gravataí Marco Alba, Swiss ambassador Wilhelm Meier, governor Dr Tarso Genro and Ammann CEO Hans-Christian Schneider attending the official opening ceremony.

pickups to heavy haul tractors, TruckPlanet offers a wide array of used commercial trucks for sale. To give buyers a thorough understanding of the condition of the vehicles, TruckPlanet provides detailed inspection reports backed by IronClad Assurance, the industry's only guaranteed inspection reports. These guaranteed reports allow customers to bid with confidence, driving better vehicle prices. With multiple auctions every month, sellers also enjoy faster time to cash.

Additionally, TruckPlanet offers value-added services to make the buying experience easier, including truck financing and warranty programs. TruckPlanet also features dedicated, hands-on customer care agents who help buyers through the process from start to finish.

Source: IronPlanet

RITCHIE BROS. CONDUCTS ITS FIRST EVER UNRESERVED PUBLIC AUCTION IN CHINA

Ritchie Bros. Auctioneers held its first ever unreserved public auction in China on April 18, 2013. More than 500 bidders registered to bid on equipment at the one-day, multi-million ¥ auction. More than 1,000 people attended the auction in person to see the global marketplace in action. The auction featured a selection of more than 155 unused and used heavy equipment items and trucks, including more than 25 hydraulic excavators, 20 wheel loaders and more. After many years of working with the Beijing Tianzhu Free Trade Zone Management Committee, Beijing Customs, and Beijing Entry-Exit Inspection and Quarantine Bureau, Ritchie Bros. has established a convenient, transparent and regulated channel for equipment exchange in China and export out of China – through the Tianzhu Free Trade Zone.

The Ritchie Bros. online bidding service added another layer of convenience during last week's Beijing auction as more than 150 bidders registered to participate online at rbauction.com. Online bidders had the option to bid live and in real time in Chinese—the newest language to be added to the growing list of eight languages that online bidders can choose to participate in when they use Ritchie Bros.' online bidding service. Online bidders purchased approximately 14% of the lots available online.

Ritchie Bros. has formally leased land in the Beijing Tianzhu Free Trade Zone (Shunyi, Beijing) where it will continue to

hold regular unreserved public auctions. 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.

ELLISDON LAUNCHES NEW ENVIRONMENTAL MANAGEMENT SYSTEM

EllisDon's new proprietary Environmental Management System (EMS) is a compilation of policies, procedures, and best management practices for use company-wide. An up-to-date EMS allows EllisDon to raise the bar on environmental stewardship by increasing accountability on its employees, subcontractors and service providers with regards to their environmental impact in the office and field, setting the pace for Sustainability in the modern construction industry.

EllisDon's new EMS, launched toward the end of 2012, replaces an older 2005 version, and is currently being rolled out to staff across the company over the course of 2013.

According to Andres Bernal, EllisDon's managing director of Sustainability, "The new EMS is a 'living document', which will be updated according to advancements in environmental practices, sustainability and ever-changing environmental protection legislation. This, in turn, will afford the opportunity for continuous improvement." The EMS will help to increase efficiencies, reduce costs, and minimize environmental impact, ultimately providing more value for EllisDon's clients.

Says Kari Lynn Harris, VP of Corporate Safety at EllisDon, "EllisDon has an exemplary Health and Safety record, and our new Environmental Management System is a complimentary component to our industry-leading safety program, a tribute of excellence, and a cornerstone of environmental stewardship within the company."

Source: EllisDon Corporation

PLH GROUP ACQUIRES PIPEWORX AND EXPANDS INTO CANADA

PLH Group, Inc., a portfolio company of private equity firm Energy Capital Partners, recently announced its acquisition of Pipeworx Ltd., a leading pipeline contractor in Western Canada.

Effective April 16, 2013, PLH has

acquired Pipeworx and its subsidiaries. With four offices and headquarters in the Edmonton, Alberta area, Pipeworx delivers infrastructure services to the oil and gas industry across the Western Canadian Sedimentary Basin. Since its founding in 2004, Pipeworx has been committed to the successful completion of its projects – safely performing quality workmanship on time and within budget. Specializing in the construction of pipelines ranging in size from 5 cm to 50 cm in diameter, Pipeworx has evolved into one of the most innovative and respected pipeline contractors in Western Canada. Pipeworx also provides infrastructure services for gathering systems, well sites and facilities, tank farm installations, compressor installations, module fabrication and integrity repair programs.

"Canada, and Western Canada in particular, presents significant emerging and long-term opportunities for PLH and the pipeline infrastructure services market as a whole," said Mark Crowson, president and CEO of PLH. "This strategic addition to PLH significantly expands our geographic footprint in North America, and we are pleased to welcome Pipeworx to the PLH platform." Pipeworx will be an operating unit of PLH, and its current senior management and employees will remain in place.

Source: PLH Group, Inc.

EDF EN CANADA AND ENBRIDGE ACQUIRE BLACKSPRING RIDGE WIND PROJECT

EDF EN Canada Inc., a subsidiary of EDF Énergies Nouvelles, and Enbridge Inc. recently announced they have jointly signed a purchase agreement with Greengate Power Corporation to acquire the 300 MW Blackspring Ridge Wind Project. Located in Vulcan County, Alberta (50 km north of Lethbridge), Blackspring Ridge will be the largest wind project in Western Canada when operational. EDF EN Canada and Enbridge will each own 50% of the project. The project represents the largest investment in wind energy in the province at approximately \$600 million.

The project, currently in late stage development, will be comprised of 166 Vestas V100-1.8 MW wind turbines. EDF EN Canada will build the project under a fixed price engineering, procurement and construction contract with construction expected to start in the second quarter of 2013 and reach commissioning in mid-



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summer 2014.

Renewable Energy Credits (RECs) generated from the project are contracted to Pacific Gas and Electric under 20-year purchase agreement. The electricity will be sold into the Alberta power pool with pricing substantially fixed through mid- and long-term contracts.

The project is expected to provide substantial economic benefits to rural Alberta in the form of jobs both during construction and long-term operations, increased tax revenues and lease payments

to landowners. In addition, the project is also expected to have a positive impact on Alberta's environment by supplying enough clean energy to serve approximately 140,000 homes.

This project will also contribute to helping Enbridge meet its Neutral Footprint commitment to generate a kilowatt of renewable energy for every kilowatt of conventional electricity that the company's operations consume.

Source: EDF EN Canada Inc.

SSAB Shares Expertise on Benefits of Advanced High Strength Steels for Dump Body Manufacturers

With a goal of helping customers make stronger, lighter and more sustainable products, SSAB recently hosted a complimentary workshop at its state of the art Research and Development facility in Montpelier, Iowa. Engineers from large dump body manufacturers to small start-up companies attended the seminar entitled "Benefits of Using Advanced High Strength Steels (AHSS) in Tipper/Dump Bodies."

Technical experts and engineering specialists in the areas of welding, bending, fatigue, design, forming, production and wear from SSAB's Knowledge Service Center in Sweden and R&D facility in North America, shared their global expertise with attendees at the two-day seminar.

Among the topics covered at the workshop were dump body success stories, new dump body designs, design optimization, along with a discussion about SSAB's proprietary Production Efficiency Tool and Design Calc Software which provide an estimate of new design results and production efficiencies using AHSS.

One of the designs that SSAB has constructed—called the Arc Design—is relatively new to the market. The key feature of the design is a convex-formed tipper bottom made of Hardox wear plate, which absorbs heavy loads, increases durability and reduces the tipper weight. "With the Arc Design, tippers can now be manufactured that are 30 to 50 percent lighter, more durable, and able to tip backwards or to the side—all while carrying nearly as much volume as a traditional tipper," said Bo Lindstrom, senior design specialist, SSAB.

In addition to the presentations, attendees were also given a tour of the steel mill and R&D facility including a live welding demonstration and discussion on optimizing welds. SSAB will be hosting this workshop again on September 10 - 11, 2013. If you are a dump body manufacturer interested in attending this workshop, please contact Ursula Egenhofer at 412-230-1635 or ursula.egenhofer@ssab.com.

Source: SSAB



Bo Lindstrom, senior design specialist, SSAB, covers design optimization during SSAB's customer workshop on "Benefits of Using Advanced High Strength Steels in Dump Bodies," held at the Iowa R&D facility in mid April.

ERIEZ 5-STAR SERVICE OFFERS DOWNLOADABLE PARTS LISTS

From the company's 5-Star Service® web page, Eriez® offers an array of parts lists, ready for immediate download in PDF format. More than 75 parts lists are available for Eriez' core products, including Vibratory equipment, Coolant Cleaners, Metal Detectors and Lifting Magnets.

Parts lists are available for specific models in each equipment category, many with detailed schematic of the equipment for easier sourcing and identification. Customers can request a quote for any Eriez part via email or phone.

"The mission of Eriez 5-Star Service is to keep customers' equipment running at peak performance and address any problems quickly to minimize downtime," says Dave Hansen, manager, Service and Repair. "By offering downloadable parts lists, we can expedite a solution for any parts issues that may arise, helping to keep profits and production up."

Eriez' 5-Star Service includes the 5-Star Service Center, Parts, Service and Repair, Inspection/Preventive Maintenance, Rebuild Program and Lift Magnet Certification Program. Due to extensive growth, the Eriez 5-Star Service Center was recently re-located to the company's new 10,590 m² Wager Road building in Erie, Pennsylvania. The facility employs trained technicians, and the machining, fabricating and welding capabilities necessary to rebuild all Eriez equipment.

Source: Eriez

HYUNDAI HEAVY COMPLETES CONSTRUCTION EQUIPMENT FACTORY IN BRAZIL

Hyundai Construction Equipment Americas Inc. is excited to announce that its parent company, Hyundai Heavy Industries Co., Ltd. (HHI), has completed its first construction equipment factory in Brazil. HHI is the world's largest shipbuilder and a leading construction equipment manufacturer.

With an investment of \$175 million, the 560,000 m² factory has an annual production capacity of 3,000 units including excavators, wheel loaders, and backhoe loaders, and plans to increase the capacity to 4,000 units by 2014.

HHI has already received orders worth \$60 million for 500 construction equipment units from 8 projects in Brazil including the construction of a hydroelectric power plant

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in the state of Pará and a railway project in Brazil's northeast.

The Ulsan, South Korea-based company expects the new Brazilian plant will serve as the South and Central America base helping HHI secure market share, and provide better service to clients in the region.

Source: Hyundai Construction Equipment Americas Inc.

KOBELCO EXCAVATORS HIT US SOIL FOR FIRST TIME IN OVER A DECADE

Following the termination of a 10-year agreement with CNH in late December and the subsequent opening of their new, independent U.S. Headquarters in early April, Kobelco Construction Machinery USA is pleased to announce that the first shipment of their renowned excavators have arrived at the Ports of Galveston, Texas and Los Angeles, California. These first shipments will be delivered to customers or available at Kobelco dealerships throughout the United States and Canada as early as next week.

The initial shipment includes a wide range of models from Kobelco's full line of excavators in the 1.4 t to 80 t classes, many of which are on order from customers and dealers who are anxious to get true Kobelco iron back on their jobsites or in their yards in time for peak construction season.

With equipment now in the field, Kobelco is poised to deliver on their longstanding promise of total customer satisfaction. The company has a substantial parts inventory on hand at their centrally-based Houston headquarters for quick coast-to-coast shipment and delivery, as well as a full staff of parts and service personnel with a wide-range of industry experience to ensure their aftermarket support is industry-leading.

With many customers already familiar with the Kobelco brand, the company is confident their reentry into the North American market will quickly result in considerable growth. "We are committed to manufacturing quality equipment and pricing it aggressively for today's competitive marketplace," states Katsuhiko Morita. "With a full network of established dealers behind us, we will be in a solid position to gain market share fairly quickly."

Additional machine shipments are already on the water for arrival at the Ports of Galveston, Los Angeles and Jackson-

ville. Subsequent shipments will be made on an ongoing basis.

Source: Kobelco Construction Machinery USA

YOKOHAMA TIRE CORPORATION TO BUILD COMMERCIAL TIRE PLANT IN MISSISSIPPI

Yokohama Tire Corporation (YTC) recently signed an agreement to build a commercial truck tire plant in West Point, Mississippi. The facility, which is expected to produce one million tires starting in 2015, will have an initial capital investment of \$300 million and potential plant expansions could reach up to four times the original employment and investment levels.

"This is a historic day for Yokohama," said Hikomitsu Noji, president and representative director of The Yokohama Rubber Co., Ltd., YTC's parent company in Japan. "Since our entry into the U.S. market over 40 years ago, along with the subsequent acquisition of our plant in Salem, Virginia in the 1980s, Yokohama has been on a continual growth. Now we will build a factory in the United States for the first time. It reaffirms our commitment to the North American market and to the continued mutual success of Yokohama and its business partner – our dealers. I'd like to thank Gov. Phil Bryant and the State of Mississippi for their dedication in bringing this to fruition. I'd like to thank Mississippi as well for a very warm welcome."

The plant will be built on over 200 ha of land with construction expected to begin in September and completion two years later. Yokohama expects to hire approximately 500 employees to work at the facility.

Source: Yokohama Tire Corporation

EXPANDED CLOUD STORAGE FOR MAGNET ENTERPRISE

Topcon Positioning Group announces expanded cloud storage capacity for all MAGNET™ Enterprise paid subscribers. Cloud storage is a company-wide service that provides secure data storage for organizations working in the MAGNET Enterprise environment.

Jason Hallett, director of product management – software applications, said, "With ten times the data storage capacity, MAGNET Enterprise users can archive and share more projects in the cloud. More cloud storage means increased uses and productivity."

MAGNET Enterprise is a cloud service that connects the Field and Office products and provides a web-based interface to company data. MAGNET Field is software that runs on field controllers and onboard total stations, and MAGNET Office is stand-alone office software for processing and modeling. MAGNET makes it possible for real-time collaboration between project manager, field crews, office personnel, engineers, or consultants.

Source: Topcon Positioning Group



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All-New QSM12 Engine for Tier 4 Final Revealed at bauma

Cummins Inc. revealed the all-new QSM12 with up to 512 hp output for heavy-duty applications, at bauma 2013 in Munich. The 12 l engine is purpose-designed to meet U.S. Environmental Protection Agency (EPA) Tier 4 Final and European Union (EU) Stage IV near-zero emissions regulations with a more compact envelope and over 30% higher power-to-weight ratio than the class average for engines with a similar power range.

The new QSM12 brings a major advantage for Tier 4 Final and Stage IV equipment installations by restoring the envelope size of the QSM11 predecessor, used for Tier 3 and Stage IIIA applications. Higher efficiency air handling and advanced combustion enable the QSM12 to return to the simplicity of a wastegated turbocharger and achieve near-zero emissions without the need for a cooled Exhaust Gas Recirculation (EGR) system. As a result, internal loads on the QSM12 are reduced to free up extra power potential, while heat rejection is lowered by over 40% compared with engines using cooled EGR.

A key design focus for the QSM12 has been to achieve significant weight savings in order to increase the power-to-weight ratio. A sculptured block retains high rigidity while removing unnecessary mass. The use of composite material for the oil pan and valve cover provides further weight savings. With this innovative approach, the QSM12 achieves a remarkably low engine weight of just 862 kg while retaining all the structural strength and durability expected of a Cummins heavy-duty engine.

With ratings covering a broad 335 hp to 512 hp range, the QSM12 offers an ideal power solution for a wide variety of applications, including wheel loaders, excavators, cranes and material handling, road building equipment, compressors, screening and crushing machines.

The QSM12 incorporates Cummins Xtra-High Pressure Injection (XPI) fuel system,

derived from the larger and more powerful QSX15 Tier 4 Final engine. Although scaled down in size for the 12 l platform, the XPI fuel system retains all the robust, heavy-duty characteristics of the system, proven up to 675 hp on the 15 l.

With multiple injection events driven by high-precision Cummins electronic controls, the XPI fuel system contributes to a very impressive peak torque for the QSM12 of 1,700 lb ft, together with a torque rise as high as 60%

available. These attributes enable the QSM12 to deliver exceptionally fast response to increasing load factors from low engine rpm.

XPI plays a significant role in enhancing engine sociability, with lower noise, less vibration and smoother power delivery. The use of a rear gear train also contributes to overall engine refinement by reducing vibration and lowering noise by at least 1 dBA.

The after-treatment combines a Diesel Particulate Filter (DPF) with Selective Catalytic Reduction (SCR) to achieve an ultra-clean exhaust.

The QSM12 is built ready to deal with the toughest operational extremes experienced by off-highway machines. Even working under high load factors, the QSM12 will achieve the same legendary life-to-overhaul as that achieved by the QSM11 at Tier 3 and Stage IIIA. Operators of QSM12-powered machines can expect - and may exceed - 12,000 hours before overhaul. Significantly, no midlife engine overhaul is required.

Cummins DPF-SCR after-treatment system is able to withstand severe shock loads

and vibration, designed with durability equivalent to that of the engine. Additionally, the QSM12 can work at 45° angularity with just the standard oil sump fitted.

The QSM12 is specially configured with an array of machine-adaptive features to facilitate machine integration across a diverse range of applications. For example, the Cummins wastegated turbocharger is available in either a rear-out, low-mount position or in a front-out, mid-mount

position, to provide added installation flexibility.

Other useful options include a front power take-off (FEPTO) with up to 564 lb ft, a rear power take-off/hydraulic drive (REPTO) with up to 516 lb ft and a side-mounted drive for a hydraulic pump. For machines requiring engine braking, a

compression brake option is available, or an integral exhaust throttle can be utilized.

The DPF-SCR ultra-clean after-treatment system used by the QSM12 easily adapts to each specific machine installation space, due to a modular format enabling multiple configurations in both horizontal and vertical orientations.

The QSM12 medium-bore engine fully complements that of the QSX15 big-bore engine, to extend Cummins heavy-duty power range up to 675 hp for Tier 4 Final/Stage IV, with both engines sharing similar DPF-SCR after-treatment technology.

Source: Cummins Inc.



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Grove Beats Strong Competition to Win Innovation Award

One of the newest all-terrain cranes from Grove, the GMK6400, earned Manitowoc the "Innovation Manufacturer" award from Europe's leading lifting and transportation trade association. Following the crane's nomination in 2012, the European Association of Abnormal Road Transport and Mobile Cranes named Manitowoc the winner at its awards dinner that took place in Munich, Germany during bauma 2013.

ESTA represents crane users from across Europe and presents many awards relating to lifting and transportation projects, as well as the best new products in the industry. Nominees are evaluated and examined by a panel for various design features and other elements before selecting a winner.

Jens Ennen, senior vice president of engineering and innovation, accepted the award on behalf of Manitowoc and expressed great pleasure at receiving the honor from an organization representing many European crane owners.

The 400 t capacity GMK6400 is currently



the strongest crane available on 6 axles. It features a range of unique design elements that set it apart from other cranes in this class. For the ESTA submission, Manitowoc's product management team

concentrated on 4 aspects of the crane.

The first was the use of a single engine to power both the carrier and the superstructure. Although this concept is not new in mobile cranes, it is virtually unheard

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of on a machine of this size. In particular, Manitowoc engineers developed a creative solution that would allow the larger engine in the carrier to still efficiently deliver the smaller power requirements of the superstructure.

The solution involved several key elements, including the installation of a hydraulic motor in the superstructure in place of the traditional engine. This presented a simpler way to switch power between the carrier and superstructure. Using a power takeoff gear that took only the 240 kW necessary to run the superstructure's lift operations, provided the engine with an efficient way of working. In the end, the single engine concept delivered significant weight savings that Manitowoc's engineers were able to reallocate to other parts of the design and further boost capacity.

Another design innovation described in the award entry was the crane's MegaDrive, which gives the GMK6400 both traditional and hydrostatic drive capabilities. The hydrostatic drive gives the crane powerful and exact control when maneuvering at slow speeds on job sites. It only

functions when the crane is traveling at below 20 km/h. At speeds of over 20 km/h, MegaDrive disengages and the crane moves using a traditional transmission.

MegaDrive offers owners the best of both worlds: efficient on-road travel as well as precise positioning on the job site. And, as with the single engine concept, this innovation saved space in the crane's design, allowing further optimization of lifting capacity.

The final two design innovations highlighted in the ESTA awards entry were the self-rigging MegaWingLift and the Fuel Saver Option. The MegaWingLift is Grove's patented tensioning system that can increase the capacity of the crane while the boom is working at a steep angle. In the past, such systems have required an auxiliary crane to install, which is a more involved process with longer rigging times. However, on the GMK6400, the self-rigging MegaWingLift can be fitted in just 20 minutes.

The Fuel Saver option, meanwhile, is an intelligent system that reduces fuel consumption during idling, which in

regular crane use can constitute up to 80% of running time. It is similar to the start/stop function on modern cars, which reduces RPM while the machine is at rest and eventually disconnects the pumps completely, shutting the engine down to save fuel. Restarting the power requires just a quick movement of any of the crane's joysticks.

Following the presentation of the ESTA award at the association dinner, Manitowoc continued the celebration at its booth at bauma. Jens Ennen, together with other senior management from the company, discussed the award and gave additional tours of the GMK6400 on the company's stand. In an appropriately innovative setup, the GMK6400 was displayed off the ground, allowing visitors to walk underneath and inspect the detail of the unique carrier.

ESTA was formed in 1976 and represents mobile crane and access platform manufacturers, rental companies and abnormal road transport companies.

Source: The Manitowoc Company, Inc.



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As the Going Gets Tough, Sandvik Gets Tougher

Sandvik Construction's extensive range of rock tools are world renowned for combining advanced materials technology, with skillful design focusing on performance, simplicity and endurance. The latest member of the range is the RH460 series of down-the-hole hammers, which have been developed to give customers even higher levels of productivity and reliability, whilst simultaneously delivering lower operating costs.

The new Sandvik RH460 series of DTH hammers has been developed in order to provide drilling customers with the enhanced levels of penetration rates, longer service life and lower operating costs that they now demand. Possessing key features that optimize the impact-energy transmission into the rock, utilizing very few parts, they are designed to be reliable, easy to service, and fast.

Continuous improvement has been the key to the development of the Sandvik RH460 series, and it has only the constant

search for enhanced performance, through productivity, that has allowed Sandvik to deliver the operational improvements its customers demanded from their DTH hammers. Thus, with the RH460 Sandvik is able to provide customers with higher impact energy and drill performance, whilst maximizing productivity in almost all ground conditions.

The mantra behind the design has been to test and evaluate; this has led to the RH460 design being able to prolong hammer life and increase drilling penetration rates. At its core is the ability of the RH460 to utilize an enhanced air cycle which leads to a reduction in fuel consumption. Furthermore, power levels improve productivity through better lubrication capabilities and increased resistance against galling; all combined with developments in the piston bearing design. Put quite simply; piston and hammer life are dramatically increased.

The new Sandvik RH460 series hammers



will be available in 10.1 cm, 12.7 cm and 15.2 cm, with all versions being designed to utilize bits with generic shank types. The uncompromising nature of the design, and the development of the concept being focused on operational efficiencies, will ensure that this ground breaking range of DTH hammers fulfills Sandvik's commitment to - when the going gets tough, Sandvik gets tougher.

Source: Sandvik Construction

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Atlas Copco Implements New Visual Identity for Road Construction Equipment

Atlas Copco has announced it will align the visual identity of Dynapac rollers and pavers to be consistent with Atlas Copco branded equipment. The new identity launched in April 2013 at bauma in Munich.

The Dynapac name will continue to be prominently featured along with the Atlas Copco nomenclature. The color scheme will now be yellow and grey, matching all Atlas Copco's product lines, which include construction tools, portable compressors and generators, and mining and drilling equipment.

Numeric model designations will not change within the new identity, but will be used together with the Dynapac name – Atlas Copco Dynapac F1000W, Atlas Copco Dynapac CA2500, Atlas Copco Dynapac CC624, etc.

Shawn Cheney, vice president of Atlas Copco Road Construction Equipment USA, said, "The change supports Atlas Copco Construction Technique's overall goal to be

the world leader in road construction equipment. Presenting a consistently uniform identity to the global market fundamentally supports this goal."

The visual change will also strengthen Dynapac, Mr. Cheney said. "First of all the Dynapac name is dominantly visible in the product designation. It shows we are combining the strengths of Atlas Copco with the technological advantages of Dynapac. Second, we are clearly highlighting the benefits of full integration with Atlas Copco, bringing the process and logistic advantages that such a strong group can offer."

Mr. Cheney noted that although Dynapac has been part of Atlas Copco since 2007, few end users knew Atlas Copco was behind new products developed specifically for the North American market and the upgrades within its distribution network.

"The most important aspect of this new



look is the message it sends to customers—that Atlas Copco is determined to continue Dynapac's rapid growth in the U.S. and make investments accordingly," said Mr. Cheney. "The change in visual identity is a statement of commitment, a statement of accountability."

Existing Dynapac dealers will be identified as Atlas Copco Road Construction Equipment dealers. The visual identity transitional period will differ from product to product and depend on new product introductions, but full integration should be complete by 2014.

Source: Atlas Copco

Scania to Power Terex TR60 Rigid Dump Trucks

Terex Construction has chosen Scania's 16 l V8 industrial engine to power its rigid dump truck, the Terex® TR60. The US Tier 4i/ EU Stage IIIB compliant engine boasts a power output of 700 hp and a maximum torque of 2,347 lb ft at 1500 rpm.

The TR60 is a rigid dump truck designed for moving heavy loads, up to 55 t in rugged terrain. A Terex® TR60 with a Scania U.S. Tier 4i/ EU Stage IIIB engine installed



was showcased during the bauma exhibition at the Terex booth.

Scania already supplies engines for Terex articulated dump trucks, the TA250s, TA300s and TA400s. The range is powered by Scania's 9 l and 13 l engines both as US Tier 4i/ EU Stage IIIB and US Tier 2/EU Stage II. Scania's engines were also showcased at bauma.

"Scania's engines have performed well in Terex articulated dump truck applications and we are pleased to have earned the trust of Terex to also power one of their rigid dump trucks. We see this as a further step in the direction of strengthening the relationship between Terex and Scania," says Anders Liss, sales director Industrial Engines.

Terex Corporation is a diversified global manufacturer of a broad range of equipment that is focused on delivering reliable,



customer-driven solutions for many applications, including the construction, infrastructure, quarrying, mining, shipping, transportation, refining, energy, utility and manufacturing industries. Terex reports in five business segments: Aerial Work Platforms; Construction; Cranes; Material Handling & Port Solutions; and Materials Processing. Terex offers financial products and services to assist in the acquisition of equipment through Terex Financial Services.

Source: Scania

Conderoc Introduces New Products

Conderoc Equipment Inc. introduces two new products to the Canadian market. The first is the Vibrating Wheel Compactor made by Simex, ideally suited for compacting trench backfill material to provide a firm bed for a new asphalt layer. By eliminating the risk of future subsidence, it ensures maximum safety for road traffic. A freewheel feature allows the material to be compacted without drag and prevents build-up at the wheel. Exceptionally good vibration damping protects the driving machine and enhances operator comfort. The vibration frequency is adjustable to insure correct compacting of different types of material. The pads are also easily replaceable.

The second product is the Road Widener. The flexible skid steer or compact loader attachment is a must-have for provincial

and municipal highway departments, road contractors and landscapers that are looking for greater operating efficiency and greater productivity in road shouldering and other aggregate dispersal. This



new machine is the most flexible and portable road widener on the market. It offers the best cost/ton ratio for dispersing aggregate, when compared to traditional large road wideners. The Road Widener skid steer attachment will let you reduce your operating costs for road work, other shouldering, trench work and landscaping.

The machine features an adjustable slope and can work on widths of 30 cm to 106 cm. It can be easily loaded by tilting the hopper forward. The Road Widener can disperse a 20 t truckload of gravel in



minutes. It can easily maneuver around mailboxes, sign posts, guardrails and other impediments at speeds of over 19 km/h.

Conderoc Equipment Inc. is a Canadian company which sells and distributes heavy machinery and specialized equipment used in construction, crushing, and screening.

Source: Conderoc Equipment Inc.



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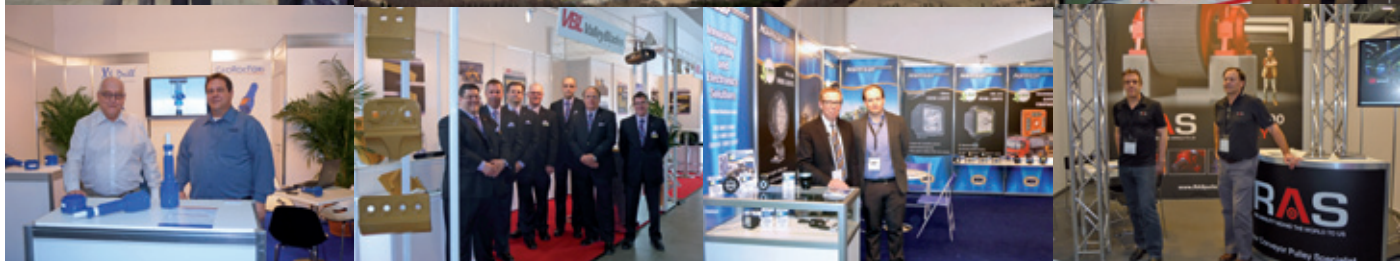



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Brokk Launches Brokk 60 and Brokk 400D at bauma

Brokk AB is pleased to announce the addition of two new machines to its lineup, the Brokk 60 and 400D (diesel). Brokk launched the new machines at bauma 2013 in Munich, Germany, on April 15. The launch represents the 11th generation of Brokk machines, and marks the company's 35th year as a leader in demolition machine innovation and manufacturing.

At a height of just 87 cm, 7 cm lower than the Brokk 50, the new Brokk 60 is the smallest remote-controlled demolition machine in the world. Brokk redesigned the Brokk 50 to make it faster and more powerful while keeping it compact and easy to maneuver. The unit's small size – it weighs only 500 kg – makes it ideal for applications where space is limited in industries as diverse as construction, demolition, metal processing, tunneling, and nuclear.

The Brokk 60 also increases productivity with more breaking force, faster movements and a new control system. Brokk incorporated major improvements to the

control system that enhance the unit's reliability, create smoother operation and allow for continuous, accurate temperature and pressure monitoring. Improvements to the hydraulic system, which increased the unit's flow rate from 18 to 22 l/min, allow the Brokk 60 to perform faster while delivering 25% more power.

In addition to its powerful system features, Brokk improved the unit's durability with the addition of a sturdy steel cover and a covered slewing table, both of which protect internal components from debris. Brokk also incorporated long-lasting, efficient LED lights to provide better illumination to the work area.

The Brokk 60 maintains a horizontal reach of 2.5 m and a vertical reach of more than 3 m. It features the same mounting plate as the Brokk 50 it replaces, so all the same attachments – breakers, crushers, buckets and grapples – are compatible. Like the Brokk 50, the



Brokk 60 can be transported in an ordinary passenger elevator and can even maneuver up and down stairs.

Brokk developed the diesel-powered



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Brokk 400D to incorporate all the benefits of the Brokk 330D it replaces in a heavier-duty machine. The Brokk 400D delivers enhanced durability and faster performance for applications where electricity is difficult to access, such as metal processing and tunneling industries.

The Brokk 400D delivers a 60% increase in transport speed over the Brokk 330D. The unit also boosts productivity with its new and improved control system. The system allows the operator to control the machine with quick, precise movements for accurate demolition and other complex tasks.

In addition to the unit's system attributes, Brokk expanded on its versatility with several changes to the physical design. The new Brokk 400D has a slightly bigger envelope than the Brokk 330D, weighs approximately 1,000 kg more, and can reach nearly 7 m horizontally. With a total weight of 5,500 kg, it can handle heavier attachments like the hard-hitting SB 552 breaker. It also works well with attachments like crushers, grapples, drills and scabblers that are used with its sibling

machine, the electric-powered Brokk 400. The unit also features enhanced stability and durability with its larger undercarriage and sturdier steel hood. In addition, the Brokk 400D features a powerful new engine.

"The Brokk 400D will enable our clients to perform new jobs that need its strength and reach in bigger furnaces and tunnels," said Martin Krupicka, CEO of Brokk AB. "We proudly introduce this new machine, which maintains Brokk's fast and consistent pace of technical and design development."

For more than 30 years, Brokk has been the world's leading manufacturer of remote controlled demolition machines and attachments. Through continuous innovation in engineering and design, Brokk is able to offer unique solutions to multiple industries worldwide



including construction, demolition, mining and tunneling, cement and process, nuclear and other specialty applications.

Source: Brokk AB

Acrow's 700XS® Panel Bridging System Offers Advanced Features to Meet Ongoing Demand for Highway Safety

Acrow Bridge offers advanced transportation safety features in its flagship 700XS® panels for permanent, temporary and emergency modular steel bridging. These features address the continual demand for technological enhancements regarding driver safety, especially on multi-lane, high-speed highways.

More than 30,000 people die every year in vehicle accidents on U.S. highways, according to the National Highway Traffic Safety Administration.

The Acrow 700XS Panel Bridge, designed to readily accommodate customers' specific needs in length, width and strength, offers key safety enhancements, including:

Flat steel deck technology – Unlike alternative open grid systems, the Acrow deck unit is a flat solid surface onto which Acrow applies an anti-skid aggregate coating. The aggregate driving surface offers better and safer traction than asphalt. In all weather conditions, the Acrow driving surface has been found to provide a signifi-

cantly safer and less slippery surface than other flat driving surfaces that use checker, diamond or Durbar patterned steel plates.*

Crash barrier system – Acrow bridges can be easily installed with optional steel railings. These crash barriers are built to deflect a Category 4 crash impact of approximately 25 t from a large tractor trailer. This type of crash rail system is approved by the U.S. Federal Highway Administration for use on high-speed Interstate Highway applications, which require the strongest and most robust crash rails to protect motorists.

"At Acrow, we approach bridging as more than just an assembly of steel components, but as a vital way to connect people and their communities," said Bill Killeen, president and CEO of Acrow

Bridge. "That's why we take transportation safety very seriously and use state-of-the-



This Acrow 700XS® Panel Bridge has been serving as a detour during construction along Florida's Interstate 75 since 2011. The 97.5 m, multi-span bridge carries northbound Interstate 75 traffic and is equipped with a TL-4 rated guide rail system. The temporary bridge is designed for a HL-93 live load of approximately 60 t for two lanes of traffic, meeting American Association of State and Highway Transportation Officials standards.

art steel bridging technology in all of our products to address this issue."

Source: Acrow Bridge

* Based on tests conducted by Lehigh University

Enerpac Introduces XC-Series Cordless Hydraulic Pumps

Enerpac introduces its new XC-Series cordless pumps, offering the performance capabilities of an electric or air-powered pump with the convenient portability of a hand pump. Enerpac's new line of cordless powered hydraulic pumps provides a portable, cost-effective solution for remote locations that delivers the speed, the power and the longevity of a corded pump.

Designed to satisfy the need for a long-lasting pump that can be used in hard-to-access areas, XC-Series cordless pumps are constructed of lightweight materials, equipped with a powerful, 0.37 kW motor and feature 28 V Lithium-Ion battery technology. With its bladder reservoir, Enerpac's cordless pumps eliminate venting and offer leak-free operation in any position. Plus, the overall body, including the shoulder strap, grip and trigger, has been ergonomically designed to maximize ease-of-use and portability.

The XC-Series cordless pumps deliver oil flow of 2 l/min at its low-pressure setting

and 0,25 l/min when operating at full pressure, up to 700 bar. Additionally, the Lithium-Ion technology ensures XC-Series pumps provide users with the battery runtime necessary to accommodate demanding application requirements.

Enerpac's XC-Series promotes operator safety by removing trip hazards associated with traditional powered pumps. Safety features include overload protection circuitry, which safeguards both the pump and the operator, and a trigger lock-off mechanism that protects against unintended operation.

"With our in-depth understanding of industry demands and the challenges plaguing portable pump technology, we designed the XC-Series to be a durable solution versatile enough to satisfy our customers' performance requirements," said Brian Alexander, Global product manager at Enerpac. "The XC-Series features 1 l and 2 l reservoir models, making these cordless pumps the ideal solution for operating over



140 small to medium hydraulic tools and cylinders within many applications."

Whether a load needs to be lifted on a ship or maintenance work needs to be executed in a factory or out in the field, the XC-Series provides portability, ease of setup, and quick operation.

Source: Enerpac

HammerHead Receives Innovative Product Award

HammerHead Trenchless Equipment and its new 86 cm ramming hammer received the Joseph L. Abbott Jr. Innovative Product Award at the North American Society for Trenchless Technology (NASTT) Annual No-Dig Show.

The world's largest pneumatic pipe ramming hammer was chosen because of its contribution to the advancement of the trenchless industry. The show was held in Sacramento, California, from March 3 to 7, 2013, and hosted over 140 exhibitors and 1,600 attendees.

Once a year NASTT recognizes companies with state-of-the-art products in either the new installation or rehabilitation categories. The award was renamed in 2010 to honor the late Joseph L. Abbott Jr. who was an active member in the society since its start in 1990.

HammerHead first launched the new hammer in January at the Underground Construction Technology International Conference & Exhibition in Houston, Texas. The 86 cm hammer can install casing 122 cm to 457 cm in diameter in drain-

age culvert and washover applications and can be used for pipe assist or pipe extraction, guided pilot bore ramming, and horizontal directional drilling assist.

HammerHead CEO and president Brian Metcalf said, "It is an honor to accept the NASTT's Innovative Product Award. This award

confirms our continued commitment to providing innovative equipment, best in class product and advanced trenchless solutions. We are pleased that the release of the 34 inch hammer cements HammerHead's position as industry leaders."

The 86 cm rammer has already been released for production, and 122 cm collets are available. Ram adapter cones are currently in development for other sizes.



HammerHead Trenchless Equipment's new 86 cm pipe-ramming hammer is the largest hammer of its kind in the world.

Although the hammer is designed specifically for pipe ramming projects, with custom-built tooling the hammer can also be used for pipe bursting to replace 92 cm pipe and larger. HammerHead will provide custom-built accessories upon request.

Source: HammerHead Trenchless Equipment

BAE Systems' HybriDrive Series-E Propulsion Selected to Power More than 400 Hybrid Buses for Quebec

BAE Systems will provide its environmentally-friendly hybrid propulsion system on 475 Nova LFS hybrid electric (HEV) buses for the Association du transport urbain du Québec (ATUQ). ATUQ represents the leading public transit authorities of Quebec, and its members serve the province's nine largest cities, operating in Montréal, Québec, Lévis, Laval, Longueuil, Gatineau, Trois-Rivières, Saguenay, and Sherbrooke.

"We are pleased to be working with Nova Bus for the first time, which expands our original equipment manufacturer platform base in the North American market," said Steve Trichka, vice president and general manager of HybriDrive Solutions at BAE Systems. "We look forward to strengthening our newly formed relationship, and expanding our hybrid technology to Quebec."

BAE Systems' HybriDrive Series propulsion powers nearly 4,000 buses worldwide

today and is the most successful series system in operation. The series configuration eliminates the mechanical connection between the diesel engine and the wheels. The engine turns a generator, and the power flows in series from the generator to power control electronics, to batteries, to an electric traction motor, and then to the wheels. Buses equipped with the HybriDrive series propulsion system have travelled more than 1 billion km, prevented more than 500,000 t of CO₂ emissions and have saved more than 145 million l of diesel fuel.

"One important part of Nova Bus' vision is to be a leader in electro-mobility," said Jean-Pierre Baracat, president of Nova Bus. "We believe that lower-emission buses

will help meet urban challenges such as congestion, and improve quality of life. Adding BAE Systems HybriDrive Solutions to our product portfolio is in line with this commitment."

Compared with conventional diesel-powered buses, the Nova LFS HEV offers approximately 30% lower fuel consumption and greenhouse gas emissions. The development and production of the hybrid propulsion systems will be conducted at BAE Systems' facility in Endicott, N.Y.

Source: BAE Systems



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Precision, accuracy and versatility – the Hilti PM 4-M Multi Line Laser takes leveling, plumbing and aligning applications to the next level. The PM 4-M features two vertical lines and one horizontal line for maximum versatility for leveling or aligning applications such as leveling outlets, cable trays, pipes, suspended ceiling, aligning doors and windows and when transferring points or installing partition walls.

The PM 4-M makes these applications easy and fast because it rotates around the center point and has a fine-tuning knob for precise alignment. Add to that Hilti Pulse Power™ technology to produce highly visible beams and contractors have an accurate squaring and aligning tool.

Because these types of tools take a beating on a jobsite, the PM 4-M has a rubberized tool body to help protect the laser aperture and tool edges for increased durability along with a locking pendulum mechanism for added protection.

The PM 4-M is covered by Hilti's Lifetime Service, a unique service agreement that includes two years of no-cost cover-



age* and one free calibration per year for the first two years to help ensure reliability and accuracy.

*Some limitations apply. Contact Hilti for details

Source: Hilti, Inc.

Western Star Introduces 4700SB All-Wheel Drive Model

Western Star Truck Sales, Inc. introduced its new 4700 set-back (SB) all-wheel drive (AWD) truck at the 2013 Work Truck Show, held March 6 - 8 in Indianapolis, Indiana. Now available to order, the Western Star® 4700SB AWD is ideal for construction and utility applications requiring a lightweight truck with rugged, off-road traction. The new model, equipped with a Terex® Utilities Digger Derrick, was on display at the in the Western Star booth.

Maintaining key attributes from Western Star's 4700 model, the new all-wheel drive truck features a 280 cm BBC - the shortest in its class - and a 42° wheel cut to provide



excellent maneuverability on tight job sites.

Additionally, 4700SB AWD is engineered with premium, lightweight components suited for the rigors of vocational applications, including 7,250 kg front axles and 18,150 kg rears. It can also be specified with a half-inch, 3.2 million RBM single channel frame rail option that further reduces truck weight while providing long-term durability in corrosive work environments.

The 4700SB AWD also features Western Star's body builder friendly design for ease of upfit and reduced body installation time.

"We're meeting our customers' demands for a rugged, yet lightweight truck suited for the most challenging of job sites," said Peter Schimunek, marketing segment manager, Western Star. "Our 4700SB AWD combines the best in performance, customization and durability in an affordable package. Complemented by Western Star's roomy, comfortable interior, this truck is the ultimate workhorse."

Powered by a Cummins ISL engine, the 4700SB AWD features up to 380 hp and 1,300 lb ft of torque and is equipped with an Allison 3000-series transmission. It can also be specified with front power take-off (FEPTO) or rear power take off (REPTO), suited for a wide range of auxiliary applications.

The 4700SB AWD joins Western Star's 4800 and 4900 all-wheel drive models, providing a full range of rugged product solutions for the toughest applications and terrains.

Source: Western Star Trucks Sales, Inc.

Kenworth Launches New T880 Vocational Truck

Kenworth launched the new Kenworth T880 vocational truck at the annual Mid-America Trucking Show, held March 21 - 23, 2013, in Louisville, Kentucky. "The new Kenworth T880 builds upon Kenworth's heritage of quality, innovation and technology to produce industry-leading, rugged and reliable vocational trucks," said Gary Moore, PACCAR vice president and Kenworth general manager. "Vocational customers and drivers require durable and low operating cost vehicles that will perform in challenging work environments. We are confident the Kenworth T880 will surpass customer expectations."



The Kenworth T880 has a 2.1 m-wide, stamped aluminum cab that provides excellent interior workspace, complemented by a panoramic windshield, a five-piece hood assembly, 30% larger door openings and best-in-class vocational forward lighting. The Kenworth T880 is standard with the 12.9 l PACCAR MX-13 engine. The PACCAR MX-13 engine provides a fuel-efficient engine for vocational applications and is now offered with a new high-end rating of 500 hp and 1,850 lb ft of torque. The new Kenworth T880 is designed for vocational applications, including dump, mixer, refuse and heavy haul. The T880 will be available in the summer 2013.

PACCAR is a global technology leader in the design, manufacture and customer support of high-quality light-, medium- and heavy-duty trucks under the Kenworth, Peterbilt and DAF nameplates. PACCAR also designs and manufactures advanced diesel engines, provides financial services and information technology, and distributes truck parts related to its principal business.

Source: PACCAR Inc

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Volvo Trucks Debuts VNX Model Heavy-Haul Tractor

Volvo Trucks raises the bar for North American heavy-haul tractors with the Volvo VNX, a high-performance model designed for extreme gross weight applications.

Developed for applications up to 102,000 kg, the Volvo VNX is ideal for long combination vehicles, heavy equipment hauling, aggregate, low-boy, logging, oil field and mining operations. VNX demonstrator models will be available early summer, and customers can begin placing orders fall of 2013.

New for the Volvo VNX is a 16 I D16 engine with 600 hp and 2,050 lb ft torque, Volvo's most powerful North American engine. The VNX also features Volvo's



I-Shift automated manual transmission, a standard feature across Volvo's North American product lineup. I-Shift's integrated sensors identify truck load and road

grade to place the truck in the right gear for the conditions for smooth, optimum shifts, improving fuel efficiency and extending clutch life and service intervals.

Available in 6x4 and 8x4 configurations, the Volvo VNX offers a wide range of heavy-haul components to ensure it is properly specified for the job. Front axle ratings range from 7,250 to 9,000 kg with parabolic springs. The VNX is available with 385 wide-base, 425 and 445 tires to match front axle load capacity. Available rear axles range from 20,865 to 23,585 kg in regular, dual-track and wide-track tandem configurations are available. Dual steering gears and a 9,000-kg steerable pusher axle are also available as options.

The imposing VNX provides an increased ride height to accommodate more articulation and front ramp angle. A signature feature of the VNX is its distinct metallic, honeycomb-patterned grille and bright finish steel bumper with center tow pin. A matching steel moose bumper with center tow pin is also available.

Standard on all Volvo-powered, Remote Diagnostics helps maximize vehicle uptime by providing diagnostic and repair planning assistance with detailed analysis of critical diagnostic trouble codes. In addition to providing proactive diagnostic and repair planning assistance, the service helps improve parts availability and provides technicians at the repairing dealer with easy-to-read repair instructions before the truck arrives for service. Remote Diagnostics has demonstrated a marked improvement in repair accuracy and efficiency, reducing the average diagnostic time at a service location by 71% and lowering the average time of repair by 25%.

Source: Volvo Trucks North America

Cleaner, Stronger and More Fuel Efficient Unimog and Econic

Mercedes-Benz Special Trucks recently celebrated the world premiere of a ten-model Unimog lineup (U216 to U5024) as well as of several two and three-axle variants of the low-entry Econic special-purpose vehicle. As a result, the era of Euro VI-compliant engines is now also being ushered in for special trucks. The new vehicles will begin to roll off the assembly line in Wörth in September.



Mercedes-Benz Special Trucks did everything it could to build on the proven model series' success and further strengthen its pioneering role in the area of environmentally-friendly trucks. To do this, the brand invested around €135 million (\$180 million) in three completely new and unique vehicle concepts for its Euro VI-compliant product range.

The four and six-cylinder engines have outputs ranging from 156 hp to 354 hp. They combine low fuel consumption with extremely clean exhausts and make the Unimog more efficient overall. And in the Econic, the engines even reduce fuel consumption by up to 4%.

In addition to new engines for all model series, the Unimog all-terrain vehicle boasts a revamped mid-engine concept, and the Unimog implement carrier features a new synergistic traveling drive, an updated cab providing all-round visibility, and new hydraulic systems for implements and performance that make the vehicle significantly more efficient to use.

Source: Mercedes-Benz Special Trucks

Hilti Canada Again Recognized as One of the Best Workplaces in Canada

Hilti Canada, supplier of quality, innovative and specialized tools and fastening systems for the professional user, recently announced it is again being recognized as one of this year's Best Workplaces in Canada by the Great Place to Work® Institute. Ranking seventeen on this year's list of 50 Best Large and Multinational Workplaces in Canada, this is the company's fourth year to be on the list.

Hilti Canada was also recognized with the special, "Respect Dimension Award" achievement. This award is given to workplaces with a focus on building the day-to-day relationships that employees experience. This is a testament to the talented team committed to creating enthusiastic customers and building a better future.

"What makes Hilti Canada successful are our team members. We continue to work on attracting talent to the organization. By developing our team members in their current roles as well as preparing them for future challenges, we are able to maintain a pool of talented individuals which continue to fuel our growth and form the culture that makes Hilti Canada unique," said Avi Kahn, general manager.

This year's list received over 300 nominations and over 57,000 employees participated in the 2013 "Best Workplaces in Canada" survey.

Great Place to Work® Institute is a global research and management consultancy with expertise on workplace transformation and a presence in 46 countries worldwide. Their mission is to improve society by creating better workplaces. With more than 5,500 organizations surveyed every year across the globe, the program is the world's largest of its kind.

Source: Hilti (Canada) Corporation

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Messe München and AEM Found Joint Venture in South Africa

Within the scope of their close collaboration organizing international trade shows for construction machinery, Messe München and the Association of Equipment Manufacturers (AEM) are founding a joint venture in South Africa. They plan to call the joint venture bC Expo South Africa (Pty) Ltd.

The first bauma Africa will be held in Johannesburg in September 2013. It is being organized by MMI South Africa (Pty) Ltd., a 100% subsidiary of Messe München. Subsequent events will then be organized by the new joint venture.

Messe München and AEM have already collaborated in the successful BAUMA CONEXPO SHOW – bC India. Its premiere in 2011 occupied 88,000 m² of exhibition space. When the fair was last held in February 2013, the amount of exhibition space increased to an impressive 150,000 square meters.

Additional information is available under www.bauma-africa.com

Source: Messe München International

Appointments

Automatic Lubrication Systems specialist **FLO Components Ltd.** continues to expand its resources to better serve construction, road building, aggregate, trucking, manufacturing and processing companies in Southern and Eastern Ontario. The company is pleased to announce the appointment of **Greg Pottruff** as territory sales manager – South Western Ontario and **Dave Secord** as territory sales manager – Eastern Ontario. Their primary focus will be to increase local availability of technical support to FLO's customers and to build its client base in their territories.

Commenting on the new appointment, FLO Components sales manager, Steve Matheson said; "Dave and Greg will make an excellent addition to our team of lubrication solutions specialists. Both these gentlemen bring a whole new level of energy and extensive sales and industry experience that will help to further strengthen the relationships with FLO's existing clients in their respective territories. Their technical knowledge and proven work ethic are in sync with FLO's basic foundation of "Meeting Customers' Needs Better", making them well suited for providing our customers with unparalleled technical and sales support. Dave and Greg will work with FLO's key partners in the industry, developing lubrication solutions that address their equipment breakdown-related pain and increase machine uptime and profitability."

Source: FLO Components Ltd.



Greg Pottruff



Dave Secord

Hanley Wood Exhibitions is proud to announce that **Tom Cindric** has been promoted to vice president.

In his most recent position, Mr. Cindric was the group director for the World of Concrete and CONSTRUCT trade shows. While he will continue to have full profit and loss responsibility with these shows, Tom Cindric will now be working on new brand extension strategies as well.

Source: Hanley Wood, LLC



MEWPs for Managers Course Goes Global

IPAF's MEWPs for Managers training course is being launched around the world this year. Besides the UK and U.S. versions, the course will now be available in German, French, Italian, Dutch, Spanish and Portuguese.

IPAF's MEWPs for Managers course (MEWPs = mobile elevating work platforms) covers what managers need to know about using MEWPs on site, from planning the job and completing a risk assessment, to selecting the right equipment and mitigating all possible risks. The one-day course for managers includes topics such as health and safety regulations, accident prevention and control, personal protection equipment, and pre-use checks and maintenance. The

course is about planning, supervising and effectively managing the use of powered access, and not about operating equipment. It ends with a written test that candidates must pass in order to obtain a certificate.

The course is targeted at project managers, foremen and supervisors working in a broad range of industries such as construction, facilities management, retail, airports and arboriculture. Companies who have had their employees complete

the MEWPs for Managers course include Balfour Beatty in the UK, Monsanto in



the U.S., and Odebrecht in Brazil and Venezuela.

"The safe and effective use of powered access equipment starts at management level," said IPAF CEO Tim Whiteman. "Quite often, the causes of MEWP accidents can be traced back to poor planning and management issues, rather than operator error or technical failure. MEWPs offer a very safe and efficient way to work at height, but managers need to be trained to plan the work and to select the right machine in order to make safe and productive use of the equipment."

Source: IPAF

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Agenda

Haulage & Loading 2013

May 19 - 22, 2013
Phoenix, AZ USA

Canada North Resources Expo

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

AORS Annual Municipal Trade Show

June 5 - 6, 2013
Brantford Ontario

Road & Traffic Azerbaijan / Transcaucasian 2013

June 13 - 15, 2013
Baku, Azerbaijan

Heavy Rigging & Lifting Workshop

June 17 - 18, 2013
Edmonton, AB Canada

Arctic Logistics and Infrastructure

June 19 - 20, 2013
Yellowknife, NT Canada

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

APOM Technical Day

September 6, 2013
Sainte-Catherine-de-la-Jacques-Cartier, QC Canada

Oil Sands & Lifting Workshop

September 6 - 8, 2013
Fort McMurray, AB Canada

bauma Africa 2013

September 18 - 21, 2013
Johannesburg, South Africa

Démo Forêt 2000

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

Plug-In 2013 Conference & Exposition

September 30 - October 3, 2013
San Diego, CA USA

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

Canadian Waste & Recycling Expo

November 20 - 21, 2013
Montreal, QC Canada

Congress of INFRA 19th Edition

December 2 - 4, 2013
Québec, QC Canada

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

April 3, 2014
Saint-Hyacinthe, QC Canada

SaMoTer & Asphaltica in Verona

May 8 - 11, 2014
Verona, Italy

APEX 2014

June 24 - 26, 2014
Amsterdam, the Netherlands

INTERMAT
Middle East





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