

InfraStructures

CONSTRUCTION • PUBLIC WORKS • NATURAL RESOURCES

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A Brief Word...

Well, here we are into June and weather is still making for popular water cooler conversation.

If bauma was the "Half-Time Show" we should be coming to grips with the "Second Half". It should be busy but will it be a boom?

According to all the information, the economy won't burst back into life, but it won't shrivel like a raisin either. There is a definite shift in activity in the construction sector.

I've said before that infrastructure maintenance will be key for municipalities and contractors and if Saskatchewan and Ontario are any indication, it is happening. Repair rather than replace is creeping into to public works management thinking.

Of course, we always maintain InfraStructures to ensure we continue to be Canada's leading equipment publication. This issue will be full of more current information and product introductions as we travel the world to bring you the insights you enjoy so much.

Depending on the weather as you read, grab a lemonade or a coffee and take a few minutes to relax, learn and be informed on what is happening in your sector.

Enjoy,

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On the cover:

Coffrage S F B, recently bought a brand new Western Star truck from Tardif Diesel, the Western Star dealer for the Eastern Townships region in Quebec.

Based in Sherbrooke, brothers Sylvain and François Belleau are specialized in residential, commercial and industrial formwork.

CALHOUN SUPER STRUCTURE WELCOMES CAMERON CONSTRUCTION SERVICES AS AN AUTHORIZED DEALER

Calhoun Super Structure, Ltd. is pleased to announce Cameron Construction Services Ltd. as its newest authorized Calhoun Super Structure dealer.

Cameron Construction is a company providing construction project management, turnkey building solutions, concrete foundations, screw piles and temporary

heating and earthwork services.

Based out of Calgary, Alberta, Cameron Construction brings with them over 15 years in the construction, mining and oilfield industry. Armed with experience in the sale and installation of fabric-covered buildings, Cameron Construction puts an emphasis on customer service and quality craftsmanship. Cameron Construction exemplifies all of the qualities that the company looks for in a Calhoun Super

Structure Dealer and is looking forward to having them as its newest authorized dealer.

Calhoun Super Structure, Ltd. is an industry leader in the engineering, manufacturing and installation of fabric-covered buildings.

Source: Calhoun Super Structure

RITCHIE BROS. BREAKS GROUND ON REGIONAL AUCTION UNIT IN NEW HAMPSHIRE

On May 29, 2013, Ritchie Bros. Auctioneers broke ground on its new regional auction site in Manchester (Hooksett), New Hampshire. The new 21.9 ha property will serve as Ritchie's first regional auction site in the state of New Hampshire and as a replacement auction site for Ritchie Bros.' regional auction site near Hartford, Connecticut.

"The Town has been working with Ritchie Bros. for nearly two years to get to this ground breaking, so it is an exciting day for all of us," said Hooksett Town administrator, Dr. Dean E. Shankle. "Their business is international in scope, they have an excellent reputation in their field and we are very pleased to have them become part of the Hooksett business community."

"The new regional auction site in Manchester is conveniently located for our buying and selling customers," said Stephen O'Duggan, regional sales manager, Ritchie Bros. Auctioneers. "It is directly off of Interstate 93, just 24 km from the Manchester-Boston Regional Airport and 93 km north of downtown Boston, allowing for easy access from a transportation perspective."

Ritchie Bros. has a long history of conducting auctions in the New England market. The Company conducted its first auction in New Hampshire in 1985 and in Connecticut in 1990.

Ritchie Bros. will continue to conduct unreserved public auctions at its current auction site until the new auction site is ready later this year.

Source: Ritchie Bros. Auctioneers

CANSEL AND CLEAREDGE3D ANNOUNCE NEW RESELLER AGREEMENT

Cansel and ClearEdge3D jointly announced a reseller partnership that will make the EdgeWise suite of automated modeling software available to customers across Canada. Cansel has been provid-



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ing design and drafting software to the engineering, architecture, manufacturing industries for almost 30 years and this advanced software sets a new precedence for modeling workflow.

"EdgeWise is the most technologically advanced as-built modeling software out there and we are excited to make it available to our many customers," said Sasha Nikodijevic, Autodesk manager, Ontario & Atlantic Canada, Cansel. "With EdgeWise, they will be able to go from field-to-finish faster than ever before."

The EdgeWise suite of software uses complex algorithms to automatically identify planes and cylinders in a laser scan point cloud. It extracts the exact geometry from the points, and eliminates much of the need to manually trace pipes, components and architectural features such as walls, windows or doors.

The company's software include EdgeWise Plant, for the industrial/process plant industry; EdgeWise MEP for Revit, for the mechanical BIM market; and EdgeWise Building, for the architectural modeling industry. The agreement gives Cansel reseller rights in all of these markets across Canada. "Cansel's reach and market share in Canada are broad and deep in the key markets we serve," said Chris Scotton, ClearEdge3D's president and CEO. "We are delighted to have them as a Canadian reseller."

Source: Cansel

MININGCALCULATOR EVALUATES THE EFFICIENCY OF TRANSPORT SOLUTIONS

Whether for use in trucks, transport via conveyor belts, or both, the new Mining-Calculator computer program compares different load and transport combinations for specific surface-mining projects and determines which solution is the most suitable from a financial and ecological perspective. At bauma 2013, the program from Mining Technology Consulting was presented at the ContiTech booth.

The new MiningCalculator was developed by the engineering consultancy firm Mining Technology Consulting with the engineering company XGraphic. "Our aim was to develop independent and objective software that companies can use in determining the appropriate individual transport solution for surface mining and general earthmoving projects," says Prof. Hossein Tudeschi, founder of Mining Technology

Consulting. "With the MiningCalculator, we have achieved just that." The ContiTech Conveyor Belt Group is the first company to use the program. "We are confident the program provides added value in determining the efficiency of and energy balance for mining companies," says Hans-

Jürgen Duensing, head of the ContiTech Conveyor Belt Group business unit.

The program enables dimensioning, profitability calculation and carbon footprinting for the respective surface mining project. In the process, the software takes into account the possibility

Investments in Toronto's Waterfront Deliver Strong Economic Returns



Investments in Toronto's waterfront revitalization by the governments of Canada and Ontario and the City of Toronto to date have produced \$3.2 billion in output for the Canadian economy and 16,200 full-time equivalent employment, according to a third-party study released recently by Waterfront Toronto.

Prepared by economic research firm urbanMetrics, the study found that the \$1.26 billion public investment made through Waterfront Toronto between April 2001 and March 2013 has also generated government revenues of approximately \$622 million, including \$348 million to the federal government, \$237 million to the provincial government, and \$36 million to the City of Toronto.

In addition to the economic benefits from its direct investment, Waterfront Toronto has attracted development projects valued at nearly \$2.6 billion to the first new waterfront neighborhoods of East Bayfront and West Don Lands – effectively doubling the value of government investments in the waterfront. These projects include the Bayside mixed-use development by Hines valued at \$910 million, the 2015 Pan/Parapan American Games Athletes' Village by Dundee Kilmer valued at \$814 million, Urban Capital's River City Condominiums valued at \$383 million, and Great Gulf's Monde Condominiums valued at \$276 million. Construction of these projects will contribute \$2.22 billion to the Canadian economy, nearly 23,600 full-time equivalent employment and \$1.17 billion in labor income.

Beyond the land it controls, Waterfront Toronto's revitalization work has helped stimulate more than \$9.6 billion of private investment. There are 44 recent and planned development projects on privately-owned lands across the waterfront and in adjacent neighborhoods close to where Waterfront Toronto has invested heavily in infrastructure, such as parks, waterfront access, transit, flood protection and brownfield remediation. These developments will contribute an additional \$8.9 billion to the Canadian economy, more than 94,800 full-time equivalent employment and \$4.7 billion in labor income.

Source: Waterfront Toronto

of both discontinuous and continuous transport. In this way, both scenarios can be evaluated in a single step. The program focuses on the specific CO₂ emissions and cost calculations in evaluating possible equipment combinations. The MiningCalculator also displays several alternatives, which can be saved as individual projects in a superordinate

project folder and evaluated in a project comparison. This enables an objective evaluation of different transport solutions.

Source: Mining Technology Consulting

MENTORS LEAD TO APPRENTICE SUCCESS

The skill and ability of the next generation of skilled trades professionals rely in large part on the mentors who teach

them. Apprentices in the skilled trades need strong workplace supports to become certified, making journeyperson mentors crucial to apprenticeship success.

The Canadian Apprenticeship Forum provides fresh insights into the important role of mentors to apprenticeship completion across Canada in its newest report, *Effective Journeyperson Apprentice Mentoring On-the-job: Tips, Strategies, and Resources*.

Based on a series of interviews with employers, journeypersons, apprentices and trainers, the report shares promising practices and makes recommendations to help employers maximize the apprentice-mentor relationship. Among other things, the report suggests supports for journeyperson mentors to enhance on-the-job training and ensure appropriate skills are transferred to the next-generation workforce.

"Apprentices tell us that their journeyperson mentors are a critical element in their success," said Sarah Watts-Rynard, executive director of CAF-FCA. "When employers make the decision to train an apprentice, it makes sense to support success in every possible way. That means choosing the right mentor and providing tools to support that relationship."

Interviews conducted in the course of this research point to the business benefits of effective mentoring, including enhanced productivity and reduced turnover. The report suggests that sharing mentoring approaches and developing a training plan for the journeyperson and apprentice to follow are among the strategies employers can implement.

Source: Canadian Apprenticeship Forum

MAPLE REINDERS CONSTRUCTORS AND SUNDURANCE ENERGY FORM JOINT VENTURE

Maple Reinders Constructors, Ltd. and SunDurance Energy, LLC have announced a joint venture, "Maple SunDurance," to perform design/build work on megawatt-scale solar projects in Canada.

Maple SunDurance will initially focus on the Ontario market for photovoltaic solar projects under the "Large FIT 2" feed-in tariff program administered by the Ontario Power Authority. While there is no exact threshold, Maple SunDurance generally will engage on a project, or portfolio of projects, in excess of 1 MW (DC) in

Combination of Astec and Dillman Equipment Exceeds Expectation



Operators for Mobile, Alabama-based Hosea O. Weaver and Sons were in for a pleasant surprise after the purchase of a new Astec asphalt plant in September 2012.

"When we first decided we were in the market for a plant, we had a tight timeframe. We went to Astec. They suggested a stock plant – a Dillman plant being built that was basically an Astec design of a Super Six Pack® on everything but the drum and the baghouse, which were the Dillman design of the Unified drum and the reversed pulse baghouse," said Hosea O. Weaver and Sons vice president Michael Weaver.

Hosea O. Weaver and Sons expected to get running quickly and then work out kinks along the way. It would be reasonable to expect a learning curve. Instead, the plant took off without a hitch and exceeded their expectations.

Hosea O. Weaver and Sons bought the portable 272 t/h 2.44 m x 15.24 m Unified counterflow drum mixer on the spot and put it in field. "The way it operates is fairly maintenance free. It's so well-designed that you can't find a problem with its simplicity," commented Mr. Weaver.

"It's a simpler design, and we like that it has a variable speed slinger that feeds into the counterflow design. Anything that works well we're obviously pleased with," added Lewis Tillery, Hosea O. Weaver and Sons' vice president of operations.

Perhaps the biggest point of pride for the new facility, however, is how it has outperformed its own rating even in the initial months of production. Hosea O. Weaver and Sons' new plant is rated as a 272 t/h plant, but soon those at the plant discovered it was able to run 317 t/h, exceeding its rating with no issues whatsoever and doing so consistently. The plant operators and management discovered their success was a combination of skilled personnel, quality equipment, and fortunate weather. Lewis Tillery reported that a dry spell improved the mixing conditions slightly, but enough to note a difference. "We had easily produced 317 t/h during a dry period. Can we do that in the extreme winter? When it's most wet? We don't know yet, but we were very excited to discover we can do this with a new plant." Mr. Weaver added that increasing the production rate was not the only surprise the plant had in store: "When we did our stack test, we had no emissions at all. Zero."

Source: Astec, Inc.



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capacity. The Ontario Power Authority is expected to open the large-project window in the near future and Maple SunDurance is poised to work with developers and investors who want to assure completion of their projects in a timely, high-quality and cost-effective manner.

The two companies will share expertise, market knowledge, buying power and deep experience to maximize the value of Maple SunDurance to its customers.

Source: Maple Reinders

JOHNSON STREET BRIDGE CONSTRUCTION STARTS IN VICTORIA

On May 17, 2013, the Honourable

Ron Cannan, member of Parliament for Kelowna – Lake Country joined City of Victoria mayor Dean Fortin and Sean Brock, vice president and district manager of PCL Constructors Westcoast Inc., to officially kick off the start of construction at the Johnson Street Bridge site in downtown Victoria.

The new bridge will feature on-road bike lanes, a multi-use trail, and a pedestrian pathway, improving overall accessibility for pedestrians, cyclists and those who use mobility aids. It will also feature new plaza areas for the public to view the harbor, an improved navigation channel for marine vessels, and will be built to a lifeline

seismic standard—which means it would be able to withstand an 8.5 magnitude earthquake. This is the highest standard in the current bridge design code for Canada. A public art piece and new public green space are planned enhancements to the area as a result of the bridge project.

The area near the existing Johnson Street Bridge is now an active construction site. The public can expect to see more crews and equipment arriving over the coming weeks. A temporary trestle will soon be built on the north east side of the bridge to support cranes and equipment to build the new bridge.

The current bridge will remain open to pedestrians, cyclists, vehicles, and marine traffic until the new bridge opens to traffic in late 2015.

The new bridge will be the largest single-leaf bascule lift bridge in Canada - and one of the largest in the world - creating a new iconic structure and destination within Victoria's Inner Harbour. A bascule bridge is a bridge that includes a lift section to provide clearance for boat traffic.

PCL Constructors Westcoast has been recruiting locally for contractors and trades positions. The Urban Development Institute estimates that construction of the new bridge will have long-term local economic benefits in excess of \$500 million. This includes economic benefits from new development and overall revitalization of the area. The overall budget for the replacement of the Johnson Street Bridge is \$92.8 million.

Source: Government of Canada

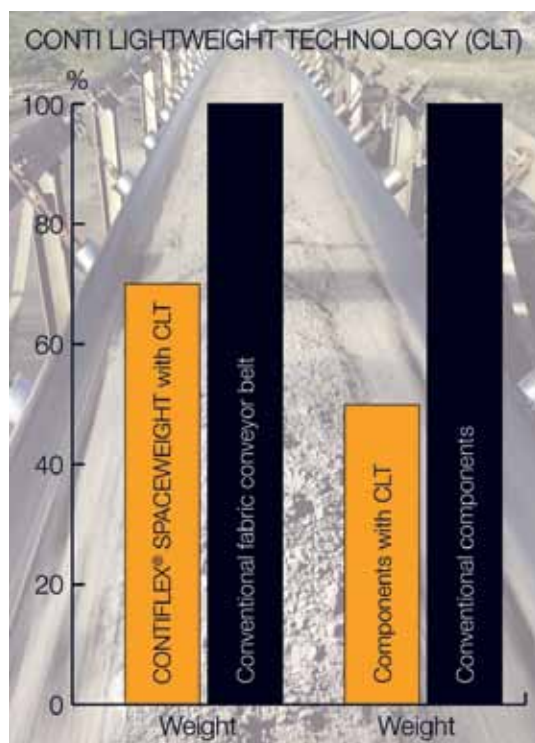
Lightweight Technology Cuts Costs and Conserves Resources

The ContiTech Conveyor Belt Group has taken a major step towards sustainable conveyor belt technology. The new CONTI LIGHTWEIGHT TECHNOLOGY can reduce the weight of fabric conveyor belts by up to 30%. "The lower weight significantly reduces the amount of drive energy needed," explains Frank Kantorek, Business Development at ContiTech Conveyor Belt Group. "This means CONTI LIGHTWEIGHT TECHNOLOGY makes a major contribution to the conservation of resources and protection of the environment." In addition to a significant weight reduction, the new technology has other positive effects. The Conveyor Belt Group presented the new technology for the first time at bauma 2013, using a fabric conveyor belt as example.

The new CONTI LIGHTWEIGHT TECHNOLOGY reduces the weight of fabric conveyor belts, as for example the CONTI-FLEX® SPACEWEIGHT, by up to 30% and of profiles and corrugated sidewalls by up to 50%. Thus the new method saves energy and protects the environment.

The new CONTI LIGHTWEIGHT TECHNOLOGY is used not only for fabric conveyor belts but also in the manufacture of a whole range of different components. "Over the next few months, we are going to extend the new technology to further products – for example to the Engineered Products segment," reports Mr. Kantorek. "We are planning to use the technology for profiles, for example, to achieve a significant reduction in component weight." This way, all market segments and thus all ContiTech Conveyor Belt Group customers will benefit from this pioneering and green development, which fully complies with the ContiTech philosophy: Engineering Green Value.

Source: ContiTech



ACROW LAUNCHES NEW BRAND IDENTITY

Acrow Bridge, a leading international bridge engineering and supply company, recently introduced its new brand identity at the 30th International Bridge Conference in Pittsburgh, Pennsylvania, held June 2-6, 2013. This is the first major rebranding that the company has undertaken in its 62-year history.

The new corporate brand underscores Acrow's steady transformation over the years into a leading global bridge design and engineering firm. Since its establishment in 1951, Acrow has supplied tens of thousands of permanent, prefabricated, modular steel bridges to urban and rural locations all over the world to help customers develop a strong and sustainable transportation infrastructure that creates

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"At Acrow, we build bridges and connect people," said Bill Killeen, president and CEO of Acrow Bridge. "In this super-connected world, bridges remain a vital lifeline linking communities across the globe, from major metropolitan regions to remote countryside villages. Our new brand identity embraces this fundamental role and our pride in being able to make these connections, bringing people and their communities together in ways that allow each other to prosper."

In addition to providing permanent and temporary bridging, Acrow also focuses on delivering emergency solutions for replacing bridges lost to natural catastrophes and man-made disasters. From the recent interstate highway bridge collapse in Washington State, the terrorist attack on the World Trade Center and civil war in Angola to the earthquake in Chile, hurricanes in the U.S. and tsunami in the Indian Ocean, people have relied and continue to rely on Acrow's hands-on experience, technical expertise and immediate response.

Source: Acrow Bridge

NEW RISA-TEKLA LINK RESULTS IN FASTER, MORE ACCURATE DESIGN

Tekla, a leader in bringing building information modeling (BIM) software and online tools to the architectural, engineering and construction (AEC) markets, and RISA Technologies, a market-proven

analysis and design software company, recently announced they have partnered to bring together two leading steel design solutions. Available now, the new RISA-Tekla Link gives users the combined benefit of the design, detailing and collaboration strengths of Tekla Structures and the comprehensive steel connection design features of RISACONNECTION.

With Tekla Structures, users create and manage accurately detailed, highly constructible 3D structural models that can be used to ensure success across the entire building process from conceptual design to fabrication, erection and construction management. The RISA-Tekla Link extends these capabilities to include steel connection design, a critical piece of the overall design process, directly within the Tekla Structures environment. This eliminates the need to manually enter connection components into separate design software. The result is increased accuracy and a reduction in the time and cost associated with steel connection design.

Source: Tekla

TECHNIP AWARDED CONTRACT FOR A POLYETHYLENE EXPANSION PROJECT IN CANADA

Technip was awarded by NOVA Chemicals Corporation the detail engineering, and procurement services contract for the Polyethylene 1 expansion project located at their Joffre site near Red Deer, Alberta.

The project includes the installation of a

world-scale 431 kt/y single-train linear low density polyethylene (LLDPE) unit. NOVA Chemicals will expand its total Joffre site polyethylene capacity by approximately 40% and will utilize existing site ethylene capacity.

Technip, in addition to detail engineering and procurement of the new reaction section, extrusion section, and railcar loading section, will modify the existing purification systems. Technip will also design the plant off-sites, utilities, interconnections, and other supporting units for the facility.

Technip's operating centers in Houston, Texas, Calgary, Alberta and Chennai, India will execute the work under this contract. Work for this phase of the project began at the end of 2012, with completion of engineering in 2014, and systems start up in late 2015.

"Technip welcomes this unique opportunity to continue its relationship with our key client NOVA Chemicals. We are delighted to have been awarded this contract after successfully completing the pre-front-end engineering design (Pre-FEED) and FEED for this expansion project. This new contract solidifies the Group's leadership in the execution of polyolefin projects as well as its privileged position as EPC contractor in North America and around the world," stated David Dickson, Technip's senior vice president in North America.

Source: Technip

TORO EXPANDS AVAILABILITY OF UNDERGROUND PRODUCT LINE

The Toro Company is pleased to welcome Redhead Equipment in Regina, as its new underground equipment dealer in Saskatchewan. The new dealership will now carry the full line of Toro underground equipment, including directional drills, compact utility loaders, trenchers, vibratory plows, and stump grinders.

Eager to offer the new product line to their customers throughout Saskatchewan, Gary Redhead, principal of Redhead Equipment said, "The Toro name is a well-known and trusted brand across the board, and that fact resonates with our customers." Redhead Equipment has been in business since 1948, and has been family-owned since 1968.

Since December 2012, Toro has added 12 underground equipment dealers to its growing distribution network.

Source: The Toro Company



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The simplified fitting of the tooth onto the adapter reduces the change-out time and therefore reduces machine down time.



Kärcher Introduces New 36" Rider Sweeper

Kärcher, the world leader in cleaning technology is pleased to introduce the new KM 90/60 R Bp ride-on sweeper. The KM 90/60 R Bp is the latest model to be added to the Kärcher sweeper line up that now includes 5 walk behind and 3 ride on models. This battery-operated compact sweeper has a 91 cm (36") cleaning path with the side broom engaged. It is extremely quiet, has great site lines and is very easy to use. The KM 90/60 R Bp has excellent dust control capabilities by way of a 4 m² polyester self-cleaning filter. It is designed for hard floor sweeping but can be equipped with an antistatic carpet broom for the surface cleaning of commercial carpet. The KM 90/60 R Bp can clean from 3,700 to 5,000 m² per hour. Both wet cell and AGM batteries are available.

The KM 90/60 R Bp features automatic filter cleaning with a manual filter cleaning switch. The main brush and filter can be changed without tools. The KM 90/60 R Bp features a floating main sweeping brush

and its side brush is protected by a bumper.

Debris hoppers on both sides of the machine have a capacity of 30 l each. The bulk waste flap is foot-operated.

The KM 90/60 R Bp is easy to operate. It features a 1-pedal drive with automatic braking system. Entry is easy from both sides, the seat is comfortable and adjustable, and there is a storage platform behind the seat. The corrosion-proof frame also offers an excellent stability.

Typical applications for the KM 90/60 R Bp ride-on sweeper include warehouses, light manufacturing facilities, schools, universities, hospitals, recreation facilities, large retail stores, resorts, hotels,



exhibit halls, office complexes, condominium buildings, food processing, garden centers, shopping malls, etc.

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The world's smallest and most flexible Hydrodemolition robot, the Aqua Cutter 410, offering increased versatility for working in confined areas such as concrete sewer pipes, is introduced by Aquajet Systems; retaining all its "big brothers" features.

Hydrodemolition specialist Aquajet Systems AB launched the world's smallest Hydrodemolition robot, the Aqua Cutter 410 at bauma 2013; offering increased versatility, productivity and ease of operation.



The Aqua Cutter 410 has been designed for Hydrodemolition applications in confined areas such as concrete sewer pipes in urban locations, small tunnels and inside buildings with restricted space.

With dimensions of just 2.0 m x 0.78 m x 0.99 m (LxWxH), the new robot can go through an ordinary door opening and operate inside a concrete pipe, on vertical, horizontal or overhead surfaces.

With a weight of just around 1,000 kg it can also operate from scaffolding.

Working typically with between 700 to 2,500 bar pressure and 60 to 180 l/min, the robot handles most concrete removal tasks on floors, walls and overhead applications.

It will also replace many applications currently performed using manual hand-lances – a high pressure gun operating at 2,500 bar or more; providing a safer and more accurate operation with the robot.

The 410 robot features a number of tools including a rotor for surface preparation and work inside pipes, a single lance with a 1.5 m front scroud for surface removal and an hydraulically-operated articulated arm with a reach up to 4 m.

The first tool to be released is a tunnel operation kit that can operate in tunnels up to 3 m diameter. The kit is based on the Aqua Spine system which makes it extremely flexible since most of the Aqua

Spine accessories can also be used.

The tunnel kit also features automatic detection of the distance to the tunnel surface making it easy to operate in uneven tunnel shapes or oval tunnels.

The Power Control Module (PCM) can be disconnected from the tracked crawler. This allows the crawler to be driven into unfriendly environments, for example small tunnels suddenly flooded by,

heavy rains.

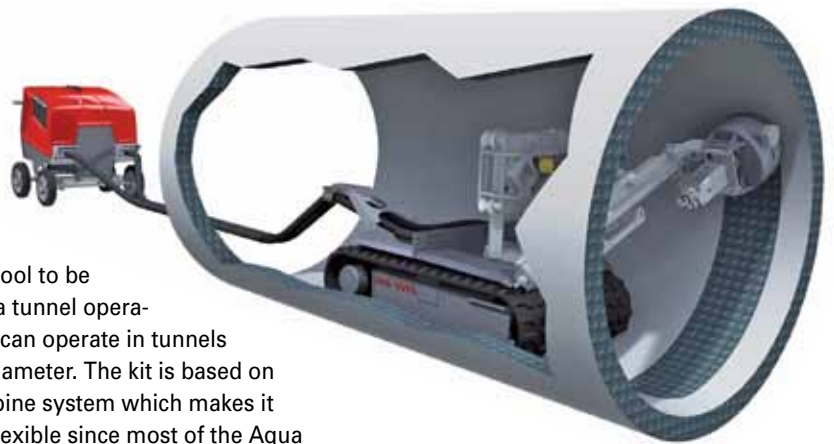
In this mode, the PCM is connected to the track crawler by a cord and the removal process controlled remotely. This is ideal when, for example, sewer pipes can be suddenly flooded. The work can continue and not be disrupted by the water.

The operator controls and monitors the operation by a remote radio controller so that the machine can be run from a safe distance; ensuring complete control over the robot.

Features of the proven Aqua Cutter 710 series of robots such as EDS (Equal Distance System), the ISC (Intelligent Sensing Control), and Smart Lance system have been updated and integrated in to the new 410 robot.

The Aqua Cutter 410 robot is equipped with the patented EDS. Regardless of the set lance attack angle, the system controls and maintains the nozzle distance from the concrete surface.

Maintaining an optimum distance, EDS ensures that no power is lost due to the nozzle being too far from the surface which will ensure a 15 – 20% increase in removal



capacity.

The patented ISC is an advanced sensing system and features no electronics, such as sensors or cables, exposed to the moisture environs, and resulting in a more efficient production with fewer stops due to problems with sensors, etc.

The rugged 410 robot offers the same reliability, versatility and easy maintenance and low operating costs as Aqua Cutter 710 robot, and uses many of the same parts.

Source: Aquajet Systems AB

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Groupe Hexagone Uses Prefabricated Modular Steel Bridging to Minimize Impact During Highway Construction

Acrow Bridge provided Groupe Hexagone, a major Quebec-based contractor, with the first Acrow detour bridge used on a major highway in Quebec. The bridge carries three lanes of Autoroute 40 traffic, diverted from two highway bridges that are under construction. Autoroute 40 serves as the main truck route between Montreal and all points west.

By selecting Acrow's modular steel bridge over a traditional concrete and steel temporary detour bridge, the contractor will be able to reuse the Acrow bridge on future projects, achieving the desired length, width and strength by simply using more or less bridge components. Also, the Acrow bridge can be installed and removed in less time and at less cost, enabling projects to be completed faster and more profitably.

"Our detour solution is helping to minimize work zone impact, maintaining traffic



flow while protecting construction workers and motorists," said Benoit Forget, Quebec regional director at Acrow Canada. "This is

a significant accomplishment, as the traffic volumes on Autoroute 40 are perhaps the highest in Quebec, with truck loading



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typically as heavy as 63 tonnes."

The Acrow bridge used on the Groupe Hexagone project is situated beside the two bridges under construction that transport eastbound and westbound traffic, respectively. At 27 m in length with a roadway 12.8 m in width, the bridge is one of the wider through type bridges that Acrow has produced in its 60+ year history. The detour features Acrow's standard steel decking overlaid with asphalt. More than 43,000 vehicles cross the bridge every day.

"The use of detour bridges has grown significantly in recent years as more and more contractors use them to stay on or ahead of schedule and control costs, while providing a safe and dependable route for traffic," said Bill Killeen, president and CEO of Acrow Bridge. "The Acrow detour bridge, which can be rented or purchased, is particularly popular because of its modular steel design. Durable and easy to assemble, disassemble, transport, store and customize for future use, many contractors end up purchasing our bridges, because they are a cost-effective investment and proven competitive advantage."

Acrow bridges used as temporary detours address two major issues during highway and road construction. By providing a temporary roadway that is predictable and unchanging, traffic disruptions are significantly reduced while the safety of motorists and construction workers is greatly enhanced. This is a safer, faster and more economical alternative to "phased" construction in which lanes are moved as needed to divert traffic around work sites.

Acrow detours also meet multiple highway transportation standards. Fast and easy to transport and assemble, they can be built and erected in a matter of hours or days.

Acrow Bridge has been serving the transportation and construction industries for more than 60 years with a full line of modular steel bridging solutions for vehicle, rail, vessel, military and pedestrian use.

Source: Acrow Bridge

ALLU® Stabilization System



The ALLU® Stabilization System consists of three components that increase the strength and dynamic stiffness of soft soil in order to improve its engineering characteristics and to remediate contaminated soil. The first component is the ALLU PMX Power Mixer, a versatile hydraulic accessory for excavators. The second is the ALLU PF Pressure Feeder, which injects the binder agent via hoses into the ground. The third component is the ALLU DAC Data Acquisition Control System, which measures, controls and provides data during the stabilization project. The mass stabilization method used by the ALLU Stabilization System is a quick, cost-effective and environmentally-friendly solution that improves soft soils by mixing binder into clay, peat, mud or dredged sediments in comparison to traditional methods of piling or soil replacement. It can also be used in treatment of contaminated soils by encapsulating contaminants within the ground and preventing migration to the surrounding areas.

The ALLU PMX Power Mixer effectively handles various difficult materials like clay in different forms, peat, sludge, mud and contaminated soil. It penetrates through hard crust layers and mixes the soils effectively based on the intelligent positioning of the drums. The drums rotate and mix material in a controlled way in all three different directions simultaneously, while the conical binder nozzle efficiently spreads binder. The hammers on the mixing drum

are changeable and the straight one-piece binder tube is maintenance-friendly. The ALLU PMX Power Mixer is equipped with automatic torque adjustment on the hydraulic motor, gear box temperature indicator and drum rotating speed indicator to ensure effective job site control.

Using compressed air, the ALLU PF Pressure Feeder injects the binding agent beneath the ground through a feeding pipe, directly to the middle of the mixing drums on the ALLU PMX Power Mixer. The unit is mounted on a tracked chassis and is remotely controlled allowing the unit to follow behind the lead excavator onto the site. The ALLU PFM Pressure Feeder Mobile, which is used for feeding dry binders, is mounted on a trailer that enables easy transportation from one place to another. This means lower mobilization costs and enables cost-effective stabilization projects on smaller job sites.

The ALLU DAC Data Acquisition Control System measures, controls and reports the feeding operation and enables control of the whole Stabilization System, making it user-friendly, and allows the facility to transfer data onto other computers. Thus, the work done is properly documented for quality control purposes.

Source: ALLU Group

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McNeilus Displays 12 Refuse Vehicles at Waste Expo

McNeilus Companies, Inc., an Oshkosh Corporation company, displayed a total of 12 waste and recycling vehicles at the Waste Expo in New Orleans, Louisiana, that was held last May. The company had four McNeilus® refuse vehicles at its own booth, and eight additional trucks showcased at the booths of key vendors and chassis manufacturers.

In addition, the McNeilus booth included displays demonstrating the Excalibre™ hardened tool steel scraper, and an all-new Street Smart Vision Systems' Digital Obstacle Detection system.

Vehicles in the McNeilus booth included a 30.6 m³ lightweight front end loader prototype built on a Peterbilt chassis showcasing several new technologies and engineering enhancements. Other vehicles include a 19.1 m³ Split Body Rear Loader, a Zero Radius™ automated side loader (with a 366 cm extended reach arm design) on an Autocar ACX chassis powered by compressed natural gas (CNG), and a McNeilus

Extra Compaction (XC) rear loader. Rounding out the display is an IMT® Dominator® field service vehicle (from McNeilus sister company IMT) built on a Ford F-550 chassis with a CNG conversion.

McNeilus refuse trucks at booths of key vendors and chassis manufacturers included: an Atlantic Series Front Loader® with CNG power on a Peterbilt chassis in the Rush Refuse Systems booth; an XC Rear Loader with CNG power on a Freightliner chassis in the Freightliner booth; a pair of 30.6 m³ Contender Front Loaders, one on a Mack MRU, diesel chassis and one on a Mack LEU, CNG chassis at the Mack booth; a 30.6 m³ Atlantic Series Front Loader with CNG power in the Peterbilt booth; a



Contender Front Loader with CNG power at the Curotto-Can booth; a McNeilus AutoReach Automated Side Loader® on an Autocar right-hand drive chassis with CNG power in the Autocar booth; and a 19.1 m³ XC Rear Loader on a Freightliner chassis with CNG power at the Environmental Research Education Foundation (EREF) booth.

Source: Oshkosh Corporation


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New Model Added to McCloskey's 516 Trommel Line

McCloskey, a worldwide leader in crushing and screening equipment, has introduced the 516RT, a highly mobile, high performance tracked trommel ideal for processing a number of materials across applications.

Enhancements made based on feedback have led the company to include even more customer-

focused features to the newest member of its 516 product line.

With a weight of 22,500 kg, the 516RT boasts a heavy-duty chassis with four independent stabilizer jack legs, integrated hydraulic folding conveyors and a radial conveyor with 180° swing that delivers 4.13 m stockpile height. Powered by a Caterpillar C4.4 100 hp engine, the 516RT features an over-sized hydraulic tank and

hydraulic oil cooler for maximum cooling capacity and high efficiency throughout the hydraulic system.

The 516RT has a number of features that place it ahead of competitors in the



category. A significantly longer and wider direct feed 5.25 m³ hopper provides a large loading area, while a 15 cm wider feed opening allows for the free flow of material and high volume capacity. The 516RT's optimal fully enclosed fines flashing minimizes potential material spillage while the rubber belting extending along the length of the machine reduces blockages, even when working with wet and sticky

materials.

With the 152 cm x 488 cm (5' x 16') screening surface, material such as topsoil, compost, sand and gravel, and wood products spend more time in the drum for better results. The three screen sections allow for flexibility in sizing to maximize productivity, and for heavy duty applications, a remote control hydraulic tipping grizzly can be added to scalp off large material. Ground adjustable brushes on the 516RT keep the screen clean and rotate away from the drum for ease of drum change.

As with all McCloskey equipment, the 516RT has an accessible engine service bay for ease of maintenance and service, saving time and reducing costs. With additional options like a radio remote control for tracks, a variety of drum and screen combinations, and a hydraulic tipping grid, the 516RT is a highly productive, and highly mobile trommel.

Source: McCloskey International Limited

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298 HSL Logs 12,000 Hours at East Side Access

A Link-Belt 227 t (250 ton) 298 HSL lattice crawler crane has logged nearly 12,000 hours at the East Side Access jobsite located in the Queens borough of New York City. The project will connect four tunnels running under the East River from Harold Interlocking in Queens, New York, west, to a new terminal located directly below the existing Grand Central Station in Manhattan.

In order to bore the four tunnels, a German built Herrenknecht 6.8 m diameter slurry tunnel boring machine worked around the clock, boring more than 3,352.8 m in total for each of the four tunnels. The 298 has kept the two Herrenknechts running as well. Supplying the two boring machines as they work during three, eight-hour shifts for seven straight months of non-stop boring. The boring units could not be stopped once boring commenced, so a non-stop schedule was required – which led to the 12,000 hours of logged time over a 22 month period.

The Link-Belt 298 proved to be a very reliable rig during its constant use at the jobsite. The crane lowers ventilation tubing, additional tracks for the Herrenknecht, pre-cast liner segments and electrical pipelines as much as 21.3 m below ground. Some of the largest picks required of the 298 HSL came at the conclusion of the tunnel boring process. Using a five-part line, the crew and operator pulled out the 49,895 kg trailing gear and a 44,452 kg lift of duct work that swung 230° for loading once at ground level.

The crew replaced the 28 mm auxiliary hoist line at 10,000 hours as a preventative measure. The crane was inspected every three months by the crew and also by the New York City Department of Buildings.



The three companies that compose G.T.F. are Granite Construction of Watsonville, California; Traylor Brothers of Evansville, Indiana; and Frontier-Kemper also of Evansville, Indiana. The three companies were contracted to build the \$730 million Queens Bored Tunnels project with primary access from the busy, Harold Interlocking Yard.

Source: Link-Belt Construction Equipment Company,

Allison Makes Headway Underground

More than 125 years ago, industrial-scale mining of pure magnetite ore bodies started in the Malmberget mine, a process that was made possible thanks to the new ore train track to Luleå, and changed the industrial presumptions in the entire northern Lapland area. Now, state-owned Swedish mining company LKAB is about to make some changes of its own, including retiring and replacing an entire generation of mining vehicles as part of a multi-year project to renew its fleet.

Since the mid-70's, LKAB has operated about 50 mining vehicles equipped with Allison fully-automatic transmissions. LKAB mobile maintenance technician, Hans Degerman, explained why the durability of the gearboxes is so important in mining applications. "Our trucks carry heavy loads over short distances with many starts and stops, and that wears hard, on both trucks and transmissions. The average speed is 25 km/h, and they run 80,000 km every year," he said.

Half of the 20 ore bodies in the Malmberget mine are currently worked by LKAB,

which mines by sub-level caving. Main haulage level operations were extended to a depth of 1,250 m beginning in 2012.

Three Scania trucks are the most recent additions to LKAB's fleet.

Two are Scania G480 8x4, both equipped with Allison 4000 Series fully-automatic transmissions and each with 90 t of loading capacity. Another truck, also equipped with an Allison fully automatic, owned and operated by Erik Landström Åkeri, features an underground sweeping machine. Operating 10 hours a day, every day, in a demanding environment requires reliability and durability, something that Ulf Landström at Erik Landström Åkeri believes Allison

transmissions meet very well.

"We need to drive very slowly. Dust from iron ore is twice as heavy as ordinary road dust, and the sweeping machine has



to carry heavy loads up steep galleries with many starts and stops. Gentle and shock-free starts, thanks to Allison's torque converter and continuous power transfer, combined with not having to bother about gear shifting, means drivers can focus on

Åkerströms Björbo Launches an Entirely New Era of Radio Remote Control

Åkerströms Björbo AB is taking a major step forward with its launch of an entirely new Era of radio remote control products. First to be launched is a receiver and a transmitter worn around the waist for industrial use, generally in cranes and overhead cranes. The new product series belongs to the Remotus family of radio control products for safety critical industrial and mobile applications. The series is described as robust, flexible and reliable with a Swedish design and good ergonomics.

Åkerströms is now launching two members of the new series: a transmitter and a receiver from the new series named Era to complement the existing series Remotus Jupiter (for standard products) and Remotus Mercury (for customized products). The Era 100 transmitter is worn around the waist and can control up to six movements. The receiver, model Rx160,

is wall-mounted and contains 16 outputs (4 changing and 12 open contacts, including 6 safety relays). The Era 100 and Rx160 are the first of a new series of robust radio remote control products to be launched throughout the year.

The transmitter is available in both a standard model and



a customized model, in which functionality, design and layout can all be tailored to the customer's needs. The transmitter is equipped with two CPUs and

can be fitted with a wide variety of control boxes. The LCD screen provides a clear, graphical user interface for ease of use. The display has a replaceable self-healing display shield and is readable in sunlight. The carefully considered Swedish style of the transmitter includes careful attention to

ergonomic design. The transmitter is highly robust with a sturdy rubberized handle for good grip. Metal feet protect the transmitter from damage and wear.

The transmitter and its receiver are equipped with two-way communication as standard and can be operated over several radio frequencies: 433-434 MHz, 863-870 MHz, 902-928 MHz

as well as 2.4 GHz, which allows them to potentially be used anywhere in the world. The receiver has two safety outputs and very high security on transmitted radio signals. The double microchips monitor each other, and each signal is verified before the functionality is activated; diagnostics are performed during operation. The safety stop feature is approved as per EN ISO 13849-1 Cat 3 PL d, and it is possible to receive safety approval for the movements and functionality under the same standard.

The Era series is designed for very rough, exposed environments in which stress and strain such as large temperature ranges, dust, vibrations, oil and moisture are common. The products are rated for IP protection class IP65-IP67, reflecting their excellent ability to repel moisture and dust.

"Right now we are focusing intensively on developing this product series," said Andreas Hedström, sales manager at Åkerströms Björbo. "This new family of radio control products will open new doors for us. Perhaps we won't be ready to control the sun for a while, even considering our new advertising campaign," continued Mr. Hedström, "but this new, even more advanced product range will strengthen our market position at home, in the Nordics and further abroad. Of course we could never do it without the help of our skilled distributors around the world."

Source: Åkerströms Björbo AB

their job during long working periods," Mr. Landström explained.

Norlandsbil, the Scania dealer who delivered these vehicles to LKAB, is running an ongoing development project called "the optimal mining truck," along with several body-builders and mining truck contractors. Norlandsbil requires that a vehicle be equipped with an Allison fully-automatic transmission in order to qualify for the project.

ABOUT LKAB

LKAB (Luossavaara-Kiirunavaara AB) was founded in 1890 and is one of Sweden's oldest industrial companies.

LKAB is a high-tech international minerals group, world leading producer of processed iron ore products for steelmaking, and a growing supplier of mineral products

for other industrial sectors. LKAB mines mostly magnetite ore in some of the world's richest iron ore deposits north of the Arctic Circle in Swedish Lapland.



The new trucks transport iron ore to vertical shafts that lead to processing primary crushing mills prior to being transported to the surface for manufacturing plants.

Source: Allison Transmission

First SKF Lubrication Business Unit System House for Both Lincoln and SKF brands in Canada

Automatic Greasing Systems specialist FLO Components Ltd. is proud to announce that it has received a letter of intent from SKF Lubrication Business Unit (LBU) designating FLO Components as a SKF LBU System House for both LINCOLN and SKF brands. In November 2012, FLO Components reached an agreement with SKF LBU to become a key distributor in Ontario, of SKF Brand Lubrication Products and Solutions for industrial applications (manufacturing, processing & packaging). With this new announcement, FLO Components becomes the first official SKF LBU System House able to offer the entire spectrum of Lincoln and SKF Lube Solutions, for all applications including on-road trucks and vehicles and off-road mobile and stationary equipment.

"Over the last 35 years, Flo Components has and continues to set the standard for what a Lubrication System House should be. We look forward to seeing this same

level of professionalism, commitment and expertise applied to the SKF brand lubrication products platform," said Len Shpeley, Ontario district manager for SKF Lubrication Systems. "Over the short-term, the current SKF technical and engineering support team will work alongside Flo to ensure the transition is as seamless as possible." FLO Components has hired an installation technician from SKF to join its current service and installation team.

"Flo Components has been 'Meeting Customers' Needs Better' as lube solutions experts and trusted lubrication advisors with the Lincoln brand of equipment and solutions since 1977," said Chris Deckert, president of Flo Components Inc. "We look

forward to providing the SKF brand customer, with the same exceptional service and support our Lincoln brand customers have come to expect."

"The 'SKF branded' lube products compliment the 'LINCOLN branded' lube product, filling in gaps which existed in the LINCOLN line for some special applications. With the addition of the SKF line, we can now offer complete cradle-to-grave lubrication solutions for large operations with several diverse requirements, such

as sand and gravel pits, cement plants and paving plants. Combined with our thirty-five years focus on customer service, one phone call is all it takes."

Source: FLO Components Ltd.



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Hitachi Launches Two New Zaxis Dash 5 Reduced-Tail-Swing Excavators

Hitachi recently introduced the newest models to join its Zaxis Dash-5 line – the ZX75US-5 and ZX85US-5.

The two reduced-tail-swing excavators feature the same performance and reliability as the preceding Dash-3 series models, but include a variety of enhancements that make them more durable, productive and easy to maintain.

“Our exclusive focus on excavators is especially evident in these new Dash-5 reduced-tail-swing models,” said Mark Wall, product marketing manager at Hitachi. “Whether you work in urban renewal, street repair, underground utilities or the landscape industry, these ultrashorts open up a wide range of possibilities.”

The machines’ reduced-tail-swing design makes it easy for operators to navigate



and work around obstacles and congested jobsites where traditional excavators do not fit. In addition, the machines combine a hydraulic-boom system with an enhanced boom recirculation function to generate more aggressive boom/arm speed. This returns the arm to the dig position faster, in turn enhancing productivity.

In addition to the ZX75US-5 and ZX85US-5, Hitachi also offers the ZX135US-5 and ZX245USLC-5 reduced-tail-swing excavators.

Despite their short stature, the ultrashorts provide plenty of in-cab amenities. The cab is spacious and offers best-in-class visibility, more side-to-side leg room, an enhanced, easier-to-use multifunctional monitor, and more.

The next-generation engines employ a cooled exhaust gas-recirculation (EGR) platform paired with a diesel particulate filter (DPF) to meet EPA Final Tier 4/EU Stage IV emissions regulations.

Two productivity modes give operators the ability to choose the digging style that fits the job. Power delivers a balance of speed and fuel economy for normal operation. Economy reduces top speed and helps save fuel.

The machines come equipped with an efficient, heavy-duty cooling system designed to run cool and quiet, even in high-trash environments and high altitudes. Digging structures deliver long-term reliability, and Hitachi’s exclusive boom design with three bulkheads within the boom resist torsional stress for unsurpassed durability.

The ZX75US-5 and ZX85US-5 feature upgrades designed to simplify maintenance. Features include self-cleaning steps, convenient grab bars that provide easy engine access centralized lube banks and grouped service points.

Attachments and options further strengthen Hitachi’s excavator offerings. These models can be equipped with a wide variety of track widths, bucket sizes, high-flow auxiliary hydraulic packages and more.

Source: Hitachi Construction Machinery

Simple, Rugged, Smart

It just does not get any easier than this. Period. Leica Geosystems’ revolutionary Leica Rugby 810 construction laser only uses one button. Dust and water will not bother it. And it can be paired with a Rod Eye 140 Classic to eliminate all point-to-point guesswork on site. The reliable, military-grade Rugby 810 makes leveling easy as ringing a doorbell. With the manual slope adapter, the Rugby 810 can handle single-axis slopes up to 45°. With the Leica Rod Eye 140’s built-in 12 cm detection window, users can easily find the beam over the entire distance. Water, dust, even accidental knockdowns will not stop the military-spec Rugby 810. Intelligent accessory options like a dedicated solar panel lets users charge the Rugby 810’s batteries anywhere, anytime. Leica Geosystems’ PROTECT warranty backs the Rugby 810 throughout its lifetime. Leica Rugby rotating lasers have long been recognized as the world’s most reliable family of construction lasers.

The new Leica Rugby 800 series are the only lasers with a military grade certification (MIL-STD 810G) and IP68 rating, making them the toughest in the market today. These specifications mean the Rugby 800 series delivers reliable, accurate results – even in the harshest jobsite conditions.

One-button operation lets construction workers level concrete and formwork. Once the laser is set up on the starting point, users can position the second point automatically with the Leica Rod Eye 140 Classic. This eliminates walking back to the laser – not to mention human error.

All Rugby 800 series battery packs (both alkaline and new unbreakable Lithium-ion) are interchangeable and can be charged anywhere, anytime on site. Users can even attach an environmentally-friendly solar panel to the Rugby’s case, eliminating costly downtime and wasteful battery replacement.

The Rugby 810 and the rest of the new Leica Rugby 800 Series are available now.

Source: Leica Geosystems Inc.



Messe Frankfurt Enters the Indian Waste and Wastewater Sector with the Acquisition of Watertech

Messe Frankfurt Trade Fairs India, the Indian operation and subsidiary of Messe Frankfurt, recently announced its acquisition of Watertech, India's leading trade fair and conference on waste, wastewater and recycling from Exhiference Media Pvt Ltd.

Additionally, Messe Frankfurt have also taken over Pollutech, Wastetech and Cleantech, the three shows held concurrently with Watertech.

Environmental technology, covering everything from recycling and waste management, water treatment, wastewater treatment and water supply to air purification and energy generation is a rapidly growing market. With the acquisition of Watertech, Messe Frankfurt further extends its portfolio of fairs focused on this rising sector and underlines its position as a leading exhibition organizer for this industry's global professionals.

Drawing from the company's successful history in hosting trade fairs such as Water Expo China + Water Membrane China, Messe Frankfurt plans on making Watertech the country's most important trade and networking platform for the water industry. Ujjwal Gupta, managing

director of Exhiference Media will also be joining Messe Frankfurt as a consultant to personally oversee and continue the development and growth of the events which he conceptualized and launched.

Since its debut, Watertech has maintained a tradition of showcasing the most innovative products, best practices and latest technologies for the waste, wastewater and recycling industries. In the 2011 fair, there were 86 exhibitors which offered solutions including water supply and drainage systems, membranes and associated fittings, drinking water equipment as well as a number of operation and management consultancy services. They welcomed 2,482 visitors from various commercial, government and academic sectors. The annual show's 2012 edition was postponed due to the Gujarat state election.

For 2013, Watertech is scheduled to be held from September 26 - 28 at Mahatma Mandir, Gandhinagar in Gujarat, India. Watertech will be the latest addition to the growing line of Messe Frankfurt trade events in India, and the company will establish its presence in a new and rapidly growing sector.

Due in part to India's growing population, the country's water and wastewater market is currently valued at over \$15 billion, and is growing annually by 18%. At present, approximately 30% of total sewage generated by India's urban areas is treated, and the gap continues to widen every year. This presents tremendous opportunities for companies that offer technology and equipment for this sector and for international companies looking to enter the market and collaborate with Indian firms.

"India's water and wastewater treatment sectors are expected to remain relatively steady in terms of growth for the foreseeable future. With Messe Frankfurt's acquisition of Watertech, our goal is to bring both our proven professionalism and unmatched experience within green technology development, water and wastewater treatment exhibitions to ensure that Watertech is a show that will help propel the local industry into the future," stated Wolfgang Marzin, president and CEO of Messe Frankfurt GmbH.

Messe Frankfurt organizes a host of trade shows in India including ACMA Automechanika New Delhi, Techtextil India, Light India, Heimtextil India and Secutech India. The organizer plans to raise the standard of Watertech's profile and make it on par with international events in the same sector. "We are entering a dynamic new area through the acquisition of Watertech. By applying our knowledge of best trade show practices, we look forward to developing the wastewater treatment and management segment further for the benefit of our customers, as well as driving growth as this exciting market continues to expand," stated Raj Manek, managing director Messe Frankfurt Trade Fairs India Pvt Ltd.

Watertech 2013 will present the perfect networking and trade opportunity for companies looking to propel their growth in one of the fastest growing industries globally. The three-day expo will offer immense scope for wastewater management and treatment companies looking for investors and collaborators from India and across the globe.

Source: Messe Frankfurt

New Cat® Smartphone Launches in North America

Bullitt Mobile Ltd., global licensee of Cat® phones for Caterpillar Inc., recently introduced the new Cat B15 smartphone in North America. The Cat B15 is designed to be the most progressive, durable and rugged device available on the market. Its robust design includes the ability to withstand a 180 cm drop and being submerged in up to 97.5 cm of water for 30 minutes. In addition, the 101 mm multi-touch screen can be used with wet fingers and the device is also dustproof and scratch resistant.

The Cat B15 is designed for a diverse audience from outdoor adventurers (snowboarders, mountain bikers, etc.) to industrial/construction workers or anyone looking for a phone that withstands dropping, bumping, water and dust. The new device runs on Android 4.1 Jelly Bean and dual core 1 GHz processor.

The Cat B15 is now available online and is priced at \$349.

Source: Bullitt Mobile Ltd.



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Appointments

During the 2013 Utah Asphalt Conference, the **Utah Asphalt Pavement Association** (UAPA) inducted Astec Industries, Inc. CEO and founder **Dr. J. Don Brock** into the UAPA Hall of Fame.

The UAPA has also elected to name the Hall of Fame award in honor of Dr. Brock. Each year, UAPA Hall of Fame plans to honor one individual who has made a major impact on the asphalt paving industry with the J. Don Brock Award. The Hall of Fame inductee presentation for Dr. Brock was made on March 28, 2013.

Source: Astec Industries Inc.



Robert Blanding has been named vice president, Finance, for **ESCO Corporation**, a leading global provider of wear parts and attachments for the mining and infrastructure industries. His primary area of focus will be to lead operational finance for ESCO's Mining and Construction & Industrial Divisions.

Mr. Blanding was most recently a controller within Intel's Software & Services Group. During his 18 years in the finance organization at Intel, he worked across a wide spectrum of business groups, including Intel Capital, the Technology and Manufacturing Group and the Sales and Marketing Group based in Europe.

Source: ESCO Corporation



Selix Equipment Inc., the Sandvik Rock Drill dealer for Ontario and the distributor for Mc Drill Technology construction and piling drill rigs, has recently appointed **Alejandro (Alex) Michaels** to its sales force for Ontario.

Selix Equipment continues its commitment to customer satisfaction with the addition of Mr. Michaels, an experienced industry technical sales representative. He will work in a consulting role to connect with a spectrum of customers in construction, quarrying, road building and the full aspect of geotechnical works such as, foundation drilling, micropile works and geothermal throughout central and southern and southwestern Ontario.

"I'm looking forward to bringing my experience and background to this new position with Selix Equipment", said Mr. Michaels. "My previous career and desire to succeed will strengthen our existing customer base, and also help develop new ones, in all aspects of Selix business.

Alejandro Michaels brings more than 20 years of experience in mining, quarrying and crushing to his new position. A mechanical engineer, he has worked, for many years, directly for manufacturers such as Kaeser Compressor helping develop markets in

South America and opening up new distribution offices as well as for Sandvik Construction in Columbia. "Alex is an asset to Selix bringing a fresh perspective to the team," said Mario Roussel president of Selix Equipment. "Our focus is to make contact with all customers in our markets offering the best products for their needs. We want to become a part of their success by becoming a partner and understanding all clients' distinct differences by matching the right equipment to their work."

Source: Selix Equipment Inc.

Navistar International Corporation recently announced that its Board of Directors has appointed **Jack Allen** as executive vice president and chief operating officer, effective immediately.

Mr. Allen has been president of the company's North America Truck and Parts business since June 2012. Previously, he was president of Navistar's Engine Group, where he led major business initiatives including the acquisition of Brazilian engine producer MWM and a partnership with MAN of Germany. He also has served as vice president and general manager of the company's Parts organization.

Source: Navistar International Corporation



New Truck & Heavy Equipment Wash Makes Cleaning Easier

Kafko International's new eco-friendly Oil Eater Fleet Wash makes it easier to wash away diesel, grease, grime, dirt, bird droppings and more from trucks and heavy equipment.

Ultra-concentrated, Oil Eater is a low-VOC cleaner/degreaser that is non-acid, non-corrosive, non-hazardous and biodegradable.

Fleet Wash works in hard and soft water, cleans carbon deposits, lubricates brushes, is safe on proportioners and is ideal for use in automatic and high pressure self-service systems.

It can also be used in friction and no-touch washing as long as it is diluted. The product is safe for polished aluminum, rubber, vinyl and paint when used as directed.

It is available in a 19 l bucket and 113 l and 208 l drums. A sample is available upon request.

Source: Kafko International



KOBELCO Construction Machinery USA Plans Return To ConExpo in 2014

KOBELCO Construction Machinery USA is pleased to announce its plan to exhibit at CONEXPO-CON/AGG 2014 (ConExpo). This will mark the company's participation as an independent brand for the first time in ten years. KOBELCO will celebrate its return to the show from March 4 – 8, 2014 at the Las Vegas Convention Center in Las Vegas, Nevada with an expansive 3,220 m² outdoor exhibit in Silver Lot 2, unveiling their full range of 1.5 t to 80 t excavators, as well as the company's advanced excavator technologies.

"ConExpo 2014 couldn't come at a better time for KOBELCO," states Ron Hargrave, vice president of sales and marketing for KOBELCO Construction Machinery USA. "Within the first year of reopening our doors in North America, we'll have the opportunity to showcase our world class product line and after-market services to the more than 130,000 contractor and dealer attendees. ConExpo will certainly help us continue our forward momentum in recapturing KOBELCO's market share in the United States and Canada."

KOBELCO has long been known for its quality line of excavators. While many companies manufacture multiple lines of equipment, KOBELCO dedicates their re-

search and development dollars to improving and enhancing their singular product line, ensuring they deliver excavators that can withstand the day-to-day rigors of demanding jobsites, while providing operators with all the production and comfort features required for a profitable day's work.

According to George Lumpkins, product marketing manager for KOBELCO, "The exhibit will be a blend of our distinctive excavators and the personal customer service we strive to deliver, as well as a demonstration of the culture of our company. A culture that is Driven By Passion everyday for the excavators we design, manufacture and bring to market."

KOBELCO Construction Machinery USA is dedicated to producing a full range of crawler excavators for the rental, landscape, construction, aggregate, roadbuilding, material handling, site preparation, recycling and ancillary markets, including



zero tail swing, standard, long-reach and compact models. KOBELCO machines are well-known for their advanced technologies including an innovative noise and dust reduction system, advanced hydraulic circuitry for reduction of pressure loss and superior fuel efficiency. Contractors and dealers attending ConExpo should be sure to mark the KOBELCO booth as a must-see destination.

Source: KOBELCO Construction Machinery USA

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Phone: 1-800-461-1979



1997 JOHNSTON 605 vacuum sweeper, single sweep right side, mounted on Ford cab over chassis. Stock: A41005 Price: \$24,500
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Agenda

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

Watertech, Pollutech, Wastetech and Cleantech

September 26 - 28, 2013
Gujarat, India

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

IFAT INDIA 2013

October 24 - 26, 2013
Mumbai, India

Canadian Waste & Recycling Expo

November 20 - 21, 2013
Montreal, QC Canada

Congress of INFRA 19th Edition

December 2 - 4, 2013
Quebec City, 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 expositions

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

BtpExpo

May 8 - 10, 2014
Liège, Belgium

SaMoTer & Asphaltica in Verona

May 8 - 11, 2014
Verona, Italy

APEX 2014

June 24 - 26, 2014
Amsterdam, the Netherlands

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October 1-3, 2013
Kentucky Exposition Center
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