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A Brief Word...

Spring has sprung, the grass has riz. Are you wondering where all the good work is? In a not too harsh winter and prolonged spring I’m not hearing the buzz of the job site that accompanies the returning chevrons of geese.

You know, the slow blossoming of color, safety vest oranges and yellows, hard hats and work boots, coffee cups and muddy tracks everywhere. Partial loads and increasing truck traffic, the real signs of spring.

We know there is work to be done, but it feels like a shift in scale. Not so much “mega” as “maintain”, and that’s a good thing.

The Charbonneau inquiry and other events have sent a distinctly calming tone throughout the industry. The focus now is more of continuity and regularity, conditions that doctors and economists agree is good for you.

Smaller scale doesn’t mean less activity, just less fanfare and hoop-la.

Something that isn’t small scale is bauma, and perhaps its arrival will truly mark the season’s debut.

If so, InfraStructures will be there to tell you who, why and how. We’ll be in Munich for the equipment industry’s biggest event and we’ll bring you all the news of innovation and new product trends like no other publication in Canada can.

Auf wiedersehen,
SPIE OIL & GAS SERVICES ANNOUNCES THE SIGNING OF A JOINT DEVELOPMENT AGREEMENT WITH PETROSKILLS LLC

This agreement will allow SPIE Oil & Gas Services to enhance its worldwide competency development programs. PetroSkills LLC, a worldwide training and development company, has over 280 instructors, and offers over 900 public training sessions in more than 45 different cities worldwide. The PetroSkills Alliance, which PetroSkills LLC manages, delivers high quality competency-based training and development.

In 2012, SPIE Oil & Gas Services started discussing business associations with PetroSkills in order to provide a larger range of training delivery and competency solutions for SPIE customers, while extending PetroSkills capabilities where SPIE Oil & Gas Services is established. SPIE Oil & Gas Services is a leading service company that provides on the job training, specific long term training programs and nationalization plans. PetroSkills LLC is a training and consulting company that provides a wide range of courses and development processes in the oil and gas industry. This agreement will result in a comprehensive offer aimed at developing the competencies of not only operators and technicians, but also supervisors, engineers and managers.

Source: SPIE

GOLDER ASSOCIATES MOVING FORWARD WITH ATLANTIC EXPANSION

Less than one year after opening offices in Halifax and St. John’s, Golder Associates is moving forward with its efforts to strengthen its Atlantic foothold, which already included a location in Labrador City.

Golder’s new local team of 24 experienced professionals join forces with its global network of specialists to offer innovative and reliable solutions that are adapted to the needs of companies in the Mining, Oil & Gas, Real Estate and Energy sectors. A comprehensive range of services are provided in four areas of expertise: Mining, Environmental Impact Assessments, Geotechnical Engineering and Contaminated Sites. “Golder’s growing presence in Atlantic Canada will further help companies tackle environmental challenges and execute large-scale projects,” said Scott Conrod, operations manager for Atlantic Canada.

As a global, employee-owned organization with over 50 years of experience, Golder Associates is driven by its purpose to engineer earth’s development while preserving earth’s integrity. It delivers solutions that help its clients achieve their sustainable development goals by providing a wide range of independent consulting, design and construction services in its specialist areas of earth, environment and energy.

Source: Golder Associates

TECHNIP ACQUIRES NORWEGIAN ENGINEERING COMPANY INGENIUM AS

Technip announces the acquisition of Ingenium AS, a highly-experienced offshore engineering and services contractor located in Oslo, Norway. Ingenium AS designs and develops mechanical and electro-hydraulic tools and equipment,
for the offshore oil and gas industry, and provides engineering services for marine operations, such as the installation of pipes and cables. Comprising over 20 highly-skilled engineers in the subsea business, the umbilical lay spread on the North Sea Giant, for the Goliat project, in 2012 is one of their recent achievements.

Odd Strømsnes, managing director of Technip in Norway, declared: “Ingenium brings a team with solid experience and engineering capabilities that reinforces Technip’s presence in one of the Group’s key markets. Technip has a long history of working on projects with Ingenium, we are thrilled that they will be joining the Group and complementing our competencies to accompany us in taking it further.”

Source: Technip

QUANTA SERVICES SELECTED FOR THE EASTERN ALBERTA TRANSMISSION LINE

Quanta Services, Inc. recently announced that ATCO Electric has selected Valard Construction, a Quanta Services company, to install transmission infrastructure for the Eastern Alberta Transmission Line (EATL) project. Under the terms of the contract, Valard will install approximately 500 km of 500 kV high-voltage direct current (HVDC) transmission line between the Edmonton and Calgary regions.

Valard has already initiated preconstruction activities on the project and construction activities are expected to begin immediately. Valard is responsible for all construction aspects of the project including foundation construction, tower assembly and erection, and conductor stringing. The EATL transmission line is expected to be complete by the end of 2014.

Based in Edmonton, Alberta, Valard Construction is Quanta Services’ largest operating unit in Canada. Valard is a leading full-service engineering, procurement and construction (EPC) contractor, skilled in providing turnkey solutions for power system requirements throughout Canada. Valard was founded in 1978 and comprises a workforce of 1,400 trades-related people and an experienced management team.

Source: Quanta Services, Inc.

SIEMENS CANADA AWARDED WIND POWER ORDER FOR SOUTH KENT PROJECT

Siemens Canada has been awarded a milestone order by Samsung Renewable Energy Inc. (Samsung) and Pattern Energy Group LP (Pattern) for the supply and commissioning of 124 wind turbines for the South Kent wind project. The 270 MW project, located in the Municipality of Chatham-Kent in Southwestern Ontario, will generate enough energy for up to 100,000 Ontario homes. The SWT-2.3-101 turbines to be installed for the project have a maximum power rating of up to 2.3 MW each and a rotor diameter of 101 m at a hub-height of 99.5 m.

All blades for the project will be manufactured by Siemens at the company’s wind turbine blade facility in Tillsonburg, with production and hiring ramping up to capacity in order to fulfill the agreement. Towers for the project will be manufactured at CS Wind’s facility in Windsor using Ontario-made steel. Combined, Siemens and CS Wind are expected to create up to 600 jobs in the Province associated with the South Kent and subsequent projects. The Tillsonburg plant is the first production facility of its kind in Ontario. The investments by Siemens and CS Wind, totaling more than $100 million demonstrate the progress of the Green Energy Investment Agreement between Samsung and the Ontario Government and underscore the significance of the Green Energy Act as part of the Province’s commitment to economic development and environmental sustainability.

According to the Canadian Wind Energy Association, Canada is the ninth largest producer of wind energy in the world with current installed capacity at roughly 6,500 MW. Siemens holds a leading position in the Ontario market; and subsequent to the South Kent order, Ontario will join Washington, Texas and Iowa as territories in North America with more than 1,000 MW of Siemens installed capacity.

Installation of the wind turbines for the

Roadtec Introduces RX-100e Utility Milling Machine

Roadtec, Inc. introduces the latest addition to its line of milling machines. The RX-100e is a highly maneuverable mill with a base cutting width of 20” (508 mm) and the capability of cutting 8” (203 mm) deep. The weight, power, and dimensions of this machine make it the perfect option for milling around obstructions such as man holes or other narrow spaces.

The RX-100e is a 140 hp (103 kW) machine with a hydraulically driven drum. The highly efficient hydraulic drum drive provides exceptional performance while reducing maintenance time. Large access doors on both sides of the machine provide excellent maintenance access to the interior components.

The RX-100e engine is cooled by a high efficiency variable speed fan. The speed of the fan is based on cooling demand, which decreases the engine load and increases the fuel economy of the machine.

Versatility is another unique feature on this new machine. The right, rear leg tube on the RX-100e is positioned alongside the cutting housing for normal milling, but the leg tube can also be rotated to a position in front of the cutter housing for flush cut operations.

The operator station includes simple controls and excellent visibility. The operator seat can slide out to the right of the machine for excellent visibility. The operator seat also incorporates a comfort suspension for easier operation of the machine.

A Cummins 140 hp Tier 4i compliant diesel engine powers the new mill.

Source: Astec Industries, Inc.
South Kent project is scheduled to begin this year, with the start of operations expected for spring 2014. The deal also includes a three-year service agreement.

In order to enhance its proximity to its installed base, including the service of the South Kent project, Siemens has also established its first Canadian wind turbine service and maintenance distribution center in Chatham, Ontario. The distribution center will house commonly used parts that are critical to wind turbine operations and distribute them to wind farms based in Ontario. In addition, the facility will incorporate a training center focused on developing and maintaining the technical skills required for Siemens service technicians.

Chatham was chosen as the location for the center based on its proximity to Siemens’ customer base at wind farms in the province as well as its local government support of renewable energies and local investment.

Source: Siemens Canada Limited

CONSTRUCTION LABOR MARKET FORECASTS FOR ALL CANADIAN PROVINCES ARE NOW AVAILABLE ONLINE

The latest construction forecast scenarios of labor supply and demand from 2013-2021 for all Canadian provinces are now available online. The reports are prepared by the Construction Sector Council in consultation with contractors, owners, labor groups, governments and educational institutions. Construction Looking Forward, 2013-2021 Key Highlights can be found at www.csc-ca.org.

Source: Construction Sector Council

MCCLOSKY CONTINUES TO EXPAND ITS WORLDWIDE NETWORK OF DEALERS

Massucco T. is adding to its already substantial fleet of new, used and rental equipment by becoming the official McCloskey International dealer for North West Italy.

McCloskey International is a world leader in innovating and manufacturing high-quality mobile crushers, high-energy vibrating screeners, trommel screeners, and stackers. With offices in Canada and Ireland, McCloskey International is rapidly expanding its global dealer network across all geographies.

“The reputation of this equipment is very good,” says Riccardo Messi of Massucco T. “We have been selling and servicing used McCloskey equipment and our customers have been asking for more McCloskey machines to grow their productivity. The fact that every McCloskey machine is designed and continually improved through customer input and extensive field testing is important to them.”

McCloskey International has been expanding its dealer base worldwide, establishing relationships with experienced distributors to serve established and emerging markets.

Because the dealership has already been selling used McCloskey equipment, the team at Massucco T. already knows how to maintain and operate the machines. This experience will be an asset as they will serve as a fully-stocked dealership backed by McCloskey’s commitment to provide comprehensive, in-depth training to ensure Massucco T. technicians are certified to work on the entire range.

“We look forward to partnering with Massucco T., building on their experience and expertise to provide not only our proven McCloskey equipment to their customers, but the service and support our success is built on,” says Seamus Doyle, International Sales director for McCloskey International.

With more than 50 years of experience and more than 1,000 machines in stock, Massucco T. has a complete team to handle everything from repairs to transportation to administration with facilities to allow prompt service.

Massucco T. also sells and rents loaders and trucks to work with McCloskey crushers, vibrating screeners, trommel screeners and stackers.

Source: McCloskey International Limited

SCANIA AND SIEMENS TO DEVELOP ELECTRICALLY POWERED VEHICLES

Scania and Siemens have entered into a partnership which involves the integration of Siemens technology to power vehicles with Scania’s expertise in the electrification of powertrains in trucks and buses. The partnership means that Sweden may become the world’s first country with electrically powered trucks and electrified roads for commercial use.

Scania has for a long time explored the possibilities of electrifying the powertrain in buses and trucks. Siemens has been working with technology, in which vehicles
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receive power from a wire in the air via a pantograph on the roof. The two companies have now teamed up to develop electrically powered trucks for commercial use.

“Full-scale demonstration of electrified road sections can quickly become a reality through this partnership,” says Henrik Henriksson, executive vice president and head of Scania’s sales and marketing. “Fuel savings made possible by electrification are huge, and this project is a foundation stone for fossil-free road transport.” Scania continuously strives to reduce heavy transport’s environmental impact, and the development of electric vehicles will be an important part of the transition to a more sustainable transport system. Scania’s powertrain technology with a hybrid powertrain (a combination of electric and internal combustion technology) can be supplemented by electrical transmission through a line in the air (conduction) or powered through the road surface (induction), thus becoming completely electrically powered on electrified road sections.

Source: Scania

GUANGXI CUMMINS CELEBRATES OFFICIAL START OF OPERATIONS

The first Cummins L9.3 engine recently rolled off the production line at Guangxi Cummins Engine Company Limited (Guangxi Cummins), the 50:50 joint venture between Cummins Inc. and LiuGong Machinery, marking the official start of operations in Liuzhou, southern China.

The 9.3 l engine is designed and built in China specifically for construction equipment to meet the demand of both LiuGong and other equipment manufacturers. The engine is available in multiple versions to meet various off-road emissions standards.

Evolved from the world class Cummins L8.9 engine platform, the L9.3 engine is rated 220 hp and offers superior low-end torque for wheel-loader applications with 5T-bucket load. With specially designed and patented power curve for wheel loaders and optimized combustion for wheel loader duty cycles, the L9.3 engine is uniquely positioned to meet customer requirements for strong power delivery, fast response and operational efficiency. The optimized components and engine features are engineered to deliver high reliability, improved fuel efficiency and performance for off-highway customers.

Guangxi Cummins is the first Cummins manufacturing facility in China dedicated to providing power for the construction machinery market. It is also one of the largest production facilities for off-highway diesel engines in China. The total investment on the company exceeds $160 million. Covering an area of 200,000 m², the initial production capacity is expected to reach 50,000 units per year, with the ability to expand the volume higher in the future when market demands increase.

Source: Cummins Inc.

JOHN DEERE PRODUCES 250,000TH BACKHOE

On March 1, 2013, the John Deere Construction & Forestry Division marked a production milestone with the completion of its 250,000th backhoe loader at the Dubuque Works factory, in Iowa. The model 310SK backhoe loader was purchased by NPL Construction Co., who

New Case 521F Achieves Better Fuel Efficiency with SCR Technology

Case Construction Equipment recently introduced the Case 521F wheel loader, offering customers a 12% increase in fuel efficiency over the previous E Series model, while delivering faster acceleration and quicker cycle times. The machine is available in standard Z-bar, extended reach and tool-carrier models, and is the latest offering in the company's F Series wheel loader line, which boasts premium features and industry-leading performance, productivity and efficiency.

Case chose selective catalytic reduction (SCR) technology for the 521F to meet Tier 4 Interim emissions standards based on the machine’s application tasks and power demands. SCR results in lower temperatures in the exhaust system while optimizing combustion. The 4.5 l Case engine delivers 131 hp. Classified as a 1.6 m³ wheel loader, the Case 521F has a standard operating weight of 10,367 kg. The standard model delivers 8,889 kg of lift capacity and 7,591 kg of bucket breakout force, with hinge pin height of 3.6 m for efficient truck and hopper-loading.

The new 521F wheel loader offers optional heavy-duty axles, enabling it to perform more tasks such as operating in scrap yards or recycling centers. These axles, with auto-locking front and open rear differentials, have the same design as the larger F series wheel loader axles, including metal face seals and sintered bronze brake linings. They offer outstanding traction in all conditions, especially in non-compacted surfaces like gravel, and help reduce tire wear when working on hard surfaces.

The Case 521F wheel loader delivers class-leading comfort and visibility and new features to improve operator effectiveness. Case’s Quiet Cab boasts the largest cab in the industry, has a 70.8 decibel rating, and supplies cleaner air with a dual air filtration system. It also provides a more comfortable ride with an optional heated air ride seat, and ergonomically positioned controls that ensure a long day in the cab will not reduce productivity.

The 521F wheel loader can handle heavier and much larger buckets thanks to the Case coupler system that pulls the attachment closer to the machine, providing significant breakout. The coupler is compatible with both JRB and ACS attachments. Also, the addition of over 250 new buckets, including light material buckets, rotary brooms and forks, and 4-in-1 buckets, means the 521F wheel loader offers even more solutions for a wide range of tasks. The offering includes Case SmartFit™ bucket tooth systems. The SmartFit system provides stronger, more durable teeth and adapters, and hammerless reusable locking pins to improve digging performance.

Source: Case Construction Equipment
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On Wednesday, February 27, the 2013/14 OGRA Board of Directors held their inaugural meeting at the Fairmont Royal York Hotel, Toronto, Ontario and a new Executive Committee was elected.

EXECUTIVE COMMITTEE MEMBERS:

President:
Joanne Vanderheyden, mayor, Municipality of Strathroy-Caradoc

1st vice president
Tom Bateman, county engineer, County of Essex

2nd vice president
Rick Champagne, councillor, Municipality of East Ferris

Immediate past president
Alan Korell, managing director/city engineer, City of North Bay

Board representative
Robert Burlie, manager, road operations, City of Toronto and OGRA Director

2013/14 BOARD OF DIRECTORS:

Craig Davidson, CAO/treasurer, Municipality of Hastings Highlands
Steve Desroches, deputy mayor, City of Ottawa
Luc Duval, director of public works, City of Timmins
Mark Grimes, councillor, City of Toronto
Michelle Hendry, director of public works, City of Kawartha Lakes
Ken Lauppe, manager, road operations - East, City of Brampton
John MacEachern, mayor, Township of Manitouwadge
Terry McKay, deputy mayor, Township of Chatsworth
Duncan McKinlay, deputy mayor, Town of the Blue Mountains, warden, County of Grey
John Parsons, division manager, transportation & roadside operations, City of London

Please look for Board initiatives, updates and highlights that will be posted throughout the year at www.ogra.org.

Source: Ontario Good Roads Association

Backhoes have been our bread and butter since the first model rolled off the line over 40 years ago,” said Byron Taylor, plant manager at the John Deere Dubuque Works facility. “Our employees, many of which have had a hand in backhoe assembly since the beginning, are proud to meet this milestone.”

“The piece of equipment we are recognizing today is only a single representation of the long line of backhoe models that have evolved right here in this factory,” said John Deere Worldwide Construction & Forestry president, Michael J. Mack. “It is a testament to the innovation and quality engineering we at John Deere pride ourselves in thanks to insight and input from stakeholders at every stage of the supply chain, from engineer, to line worker, to customer.”

The John Deere 310SK backhoe loader, part of the K-Series, is the latest of more than 50 different backhoe models that have been produced at the Dubuque Works factory since 1971. The 310SK is part of the K-series backhoe loader line introduced in 2012. It comes equipped with a 5-speed powershift transmission that allows top speeds of 40 km/h, with an alternative to upgrade to the smooth and efficient AutoShift™ option. The single loader lever with integrated electrohydraulic auxiliary control provides productivity and physical operator comfort, while standard features such as JDLink™ and Service ADVISOR™ Remote provide piece of mind.

NPL Construction Co., a recognized leader in energy distribution construction, has worked with John Deere for more than a decade and will be adding the 250,000th backhoe to their fleet. As NPL’s preferred supplier, Deere was able to help develop a strategic sourcing approach that allows them to maintain and allocate fleets from coast to coast across the United States.

“A good supplier is a quiet supplier, but a great supplier is one who inspires change,” said Jim Kane, president and CEO at NPL Construction Co. “Deere’s commitment to innovation has kept us ahead of the competition. Their speed not only in delivery of equipment, but in keeping up with marketplace demand is unparalleled.”

Source: Deere & Company
Red WOLFFs in the German Capital

Leipziger Platz in Berlin, Germany, was long considered to be Europe’s premier shopping address. The Wertheim Department Store, opened in 1897, was the largest on the continent until it was destroyed in World War II. Now the good old days of the department store are to be revived. The general contractor Arbeitsgemeinschaft Leipziger Platz Nº 12 (ARGE LP Nº 12) under the direction of Fettchenhauer Controlling & Logistic GmbH (FCL) has been appointed with the construction of a new shopping center in this central site in Berlin, including residential units and park areas. At the beginning of the year, premium manufacturer WOLFFKRAN delivered an array of WOLFFs to the German capital.

FCL rented nine WOLFFKRAN trolley jib tower cranes for the lifting of steel girders, concrete components and formwork on the 2 ha construction site. The first crane was erected in January last year and the last one in place at the end of September. WOLFFKRAN planned the assembly concept so that first the highest cranes with underhook heights of up to 86 m were erected on the periphery of the construction site. Using these cranes, the team then assembled the remaining WOLFFs with underhook heights of 46 to 57 m in the inner area of the site.

FAST ASSEMBLY UNDER COMPLEX CONDITIONS

Assembly posed a number of challenges, particularly with respect to the three highest cranes: the WOLFF 6522.12 with an underhook height of 86 m, the WOLFF 6031 with an underhook height of almost 80 m and the WOLFF 7532.12 with an underhook height of 64 m. Due to the subway tunnel running below Leipziger Platz, movement of the 500 t mobile crane used for the assembly cranes was limited for static reasons. All nine cranes were assembled free-standing on foundation anchors. “It was not possible to tie the upper sections of the cranes to any structures on the construction site,” explains Bernd Soost, WOLFFKRAN branch manager in Berlin. “Our team of engineers and service technicians planned the assembly in with great detail and precision. Despite the complex conditions we were able to assemble every crane in only one and a half days.”

PERFECT PLANNING AND IMPLEMENTATION

“WOLFFKRAN convinced us from the start with its extremely well thought-out crane concept,” says Andreas Fettchenhauer, Managing Director of FCL. “We’ve worked together with the crew from Heilbronn on several occasions. WOLFF cranes are known for their efficient transport and assembly characteristics, meaning cost and time savings for us. Besides that, we get all these services from one source – planning, assembly and support. That’s efficiency in every respect,” Fettchenhauer continues.

NEW HEART OF THE CITY

The construction project at Leipziger Platz is currently the capital’s largest and most prestigious. At present the ARGE LP Nº 12 is building the basement floor. The “new heart of the city”, with a space of over 100,000 m² for commercial, office and residential use, as well as a partly-covered piazza, is scheduled to be completed by the end of 2013 and Leipziger Platz thus to be restored to its former glory.

Source: WOLFFKRAN International AG
Spanish tower crane manufacturer Linden Comansa will display at forthcoming bauma trade show two of its newest products: a 16 LC 260 Flat-Top tower crane, from its LC 1600 Series, and a LCL 165 luffing-jib crane. Both models were launched slightly over a year ago and have never been exhibited at a trade show until bauma 2013.

The tallest of both cranes will be the 16 LC 260. It will be erected over a 6 m-wide folding cross base, with jib length of 70 m (the maximum of this model) and a freestanding height of 61.6 m, which will make this crane easy to be seen from everywhere in bauma’s outdoor exhibition area. Its maximum load capacity is 12 t, although this same model may come in other versions of 8 and 10 t.

One of the great advantages of this model, and from the entire LC 1600 Series, is the design without apex element, which speeds up the assembly process and means important savings in accessory equipment.

Furthermore, the 16 LC 260 includes the PowerLift system, launched by Linden Comansa in 2012, which allows the crane to move the load to a greater jib length with reduced speeds, improving the load chart up to 10%.

The LCL 165 luffing-jib crane is the newest model from Linden Comansa’s LCL Series of luffers and comes with two versions of maximum load: 8 and 12 t. Munich will see the 8 t version, erected over a 4.5 m-wide folding cross base, and with...
height under hook of 14.6 m, to provide all visitors a better picture of its compact design, which enormously facilitates its transport and assembly.

This crane features all advantages from the LCL Series, including its modular design, which allows most of the tower and jib sections to be interchangeable between the cranes of the series, and the electronic coordination between the luffing and hoisting movements: a control system popularly known as “Level Luffing”, which lets the crane operator move the load horizontally just by pushing a button while applying the luffing movement.

Both exhibited cranes include the latest developments from Linden Comansa, such as the Effi-Plus high speed hoist mechanisms, which increase hoist speeds with light loads up to 70%. Compared to a mechanism with the same power but without this system, Effi-Plus may increase productivity of hoist operations up to 27% without increasing the power and energy consumption of the crane.

Source: BKL Baukran Logistik GmbH
Linden Comansa 📖 Bauma F11.1103/4

Advertise in the FIRST and ONLY trade magazine that reaches users of heavy machinery and specialized equipment all across Canada!
Barangaroo, a district of the Sydney central business district, currently faces one of the largest urban development projects in Australia. On the site of the former container port next to Darling Harbour in the north-west toward the Harbour Bridge, a large scale construction project will enlarge the central business district considerably. In Barangaroo South, the southern part of the overall 22 ha site, three major office towers and several smaller residential and office complexes are to be built, linked together with a common three-level basement. A hotel, shops, cafes and restaurants, cultural venues and public spaces are planned, too.

In January 2012, BAUER Foundations Australia Pty Ltd started to carry out the necessary foundation works together with a joint venture partner. By order of the customer Lend Lease, the Australian subsidiary of BAUER Spezialtiefbau GmbH installs approximately 1,000 bored piles up to 35 m in depth and with diameters of up to 2.4 m. The topsoil layer of the former container port consists of various backfill materials, including bricks, concrete, rubble and left in place man-made obstruction like old piers, wharf and seawalls. Beneath another layer of clay, sand and gravel exists rock with strengths of up to 50 MPa, depending on the depth. The main challenge on the project is to deal with man-made sub-ground obstructions like old timber piles, steel members, concrete structures and contaminated soil. Protective clothing is required at all time for staff working on site.

Apart from cranes, a 700 m³ bentonite plant and two desanding units, several Bauer rotary drilling rigs of the types BG 24, BG 28 and BG 40 are employed for the foundation works which have a volume of around €27 million ($36 million). The piling works are expected to be completed by the end of June 2013.

Source: Bauer C4.129 / FGN.N520
Atlas Copco Launches FlexiROC T30 R

Atlas Copco has launched the FlexiROC T30 R radio remote control tophammer drill rig equipped with either a COP 1240 or COP 1640 drill for 50 to 75 mm holes.

The standard hydraulic carousel-type rod handling system uses 3.65 m rods. The carousel carries four rods for a maximum drilling depth of 17.4 m.

The FlexiROC T30 R comes with an interim Tier 4 Cummins QSB4.5 turbo charged engine providing improved diesel consumption over its predecessor, the ROC D3 RRC.

The rig’s low center of gravity and high ground clearance provide mobility over the most challenging terrain. It is well suited to demanding construction or small- to medium-size quarrying jobs. The FlexiROC T30 R can also handle specialized tasks such as installing self-drilling anchors, drilling blastholes in hard rock and dimensional stone quarrying.

Maurice Hunter, Atlas Copco business line manager, said the FlexiROC T30 R rig’s extended boom coverage of 4.26 m through an 80° radius was designed to save time and money by delivering more holes from fewer set-ups.

“The FlexiROC T30 R’s compact size means the FlexiROC T30 R can easily be transported from job to job, allowing contractors to maximize the availability of their investment,” said Mr. Hunter.

The FlexiROC T30 R crawler drill rig was designed to be one of the safest drill rigs in its class. Radio remote control comes standard, allowing the operator full control of drilling, tramming and boom controls from a safe working distance on confined sites or unstable terrain.

The new rig was also designed to improve efficiency. Automatic RPM reduction, adjustable fan speeds and interim Tier 4 emissions offer further savings and improved efficiency.

Source: Atlas Copco

System Integration of Carlson Machine Control and Atlas Copco’s FlexiROC™ with HEC3 Drills

Installation and testing has just been completed at the Atlas Copco factory in Örebro, Sweden, on the first system integration of Carlson Machine Control’s CBx5 control box console running Carlson DrillGrade™ software on a FlexiROC™ HEC3 C65 drilling system.

This marks the first successful factory installation of a 3D drilling system integrating Atlas Copco’s new third party protocol available on FlexiROC™ drills with the HEC3 system.

In addition to providing support for most GPS/GNSS receivers, this system allows users to:

- Navigate and position from within the drill cab without any marks on the surface;
- Easily create a drill pattern in the machine to a terrain model, depth and height;
- Load/change terrain models and localizations easily;
- Import dwg, dxf, csv and IREDES hole data;
- Visualize 3D surfaces in the field on a large, bright 8.4” screen; and
- Monitor FlexiROC™ with HEC3 drill actions such as body pitch & roll, heading, length of current hole, current position of drill bit, drilling stopped, drilling started, drilling aborted, reset hole length and more.

An upgrade kit, which consists of the CBx5 Control Box Console, Carlson DrillGrade™ software, MC Pro Vx5 RTK Heading Unit, brackets and required cables, will be available soon for qualified, existing FlexiROC™ with HEC3 system drills. Atlas Copco must qualify the FlexiROC™ with HEC3 version and provide the protocol. A similar retrofit kit is also available for existing qualifying SmartROC™ RSP system drills. The CBx5 and MC Pro Vx5 components carry an industry exclusive three-year warranty.

Note that there is a GPS+GLONASS L1/ L2 RTK receiver integrated into the Carlson CBx5 control box console that can be activated as an option, but Carlson also offers the world’s largest GPS/GNSS driver library to maximize clients’ existing investments and site compatibility. Customers have the freedom to choose a supported GNSS receiver manufactured by other companies such as Leica, Trimble, Topcon, Septentrio, JAVAD GNSS and others or activate the CBx5’s internal RTK GPS+GLONASS receiver.

Retrofit kits will soon be sourced by authorized Carlson Machine Control dealers around the globe with plans to expand availability by drill equipment providers.

Source: Carlson Software
Navigate & Resurface Narrow or Confined Spaces With Ease Using Bergkamp’s M206 Paver

Bergkamp Inc. offers contractors and government agencies the M206 truck-mounted slurry seal and micro surfacing paver to deliver one of the most efficient methods of preventive maintenance. The M206 applies slurry seal and micro surfacing over the existing pavement as one smooth layer to extend the life of pavement by up to seven or more years. Its compact size and tight turn radius allow operators to easily navigate around light poles, medians and other obstructions, making it ideal for paving parking lots, cul-de-sacs and residential areas. The smallest of Bergkamp’s M2 Series truck-mounted pavers, the M206 can be mounted on a lighter truck, helping reduce truck purchase and operation costs. The M206 can carry 4.5 m³ of aggregate in a level-struck load, 1,011 l of asphalt emulsion and 1,011 l of water. It features a 246 l stainless steel additive tank. The pugmill, conveyor and all liquid material tanks are removable for easy cleaning. All tanks are bolted in rather than welded, adding extra durability and improving ease of maintenance. The asphalt emulsion and water tanks are separate components, eliminating possible rust-through and contamination of products.

The M206 has a proven design with convenient control locations and good operator visibility. The unit is powered by an onboard 99 hp Cummins diesel engine located at the front of the unit in an enclosed engine compartment that reduces noise for the driver and crew.

Aggregate is delivered to the pugmill by a belt-over-chain conveyor to eliminate slippage. Steep hopper walls minimize bridging, while the hopper's polyethylene lining reduces friction. This eliminates the need for a vibrator, which decreases problems with loose bolts and damage to welds and components. Asphalt emulsion is delivered to the pugmill by a positive displacement heat jacketed gear pump. The pump is powered by a jackshaft that is common to the aggregate conveyor to provide a consistent asphalt emulsion-to-aggregate ratio. The variable speed, dual-shaft, multi-paddle pugmill has a dual hydraulic drive, which provides even mixture and coating of the aggregate.

The M206 has a full-width working platform that allows operators to easily see both sides of the unit, the spreader box and the material being placed. In addition, a remote sideshift control lets the spreader box operator control the box from the ground.

Dynapac Bits Offer Value to Any Brand of Planer

While introducing big equipment upgrades at the 2013 World of Asphalt show, Dynapac also presented its proprietary line of planer bits compatible with any model or make of road surface planer.

The planer bits, which come in boxes of 50, range in size from 350 mm to 2,200 mm with specific selections designated for use with asphalt, concrete or both.

Matt Cadnum, vice president of Atlas Copco Construction Equipment – Aftermarket, said, “These are high quality bits at very competitive prices that fit any planer of any brand.”

The World of Asphalt show was held from March 19 to 21 in San Antonio, Texas.

Source: Atlas Copco Road Construction Equipment
New Vögele Screed, Pavers, Hamm Compactors and Largest Wirtgen Mill Highlight World of Asphalt Stand

A new front-mount screed, designed especially for 2.43 m Vögele Vision pavers, was among the highlights of Wirtgen America Inc.’s stand at World of Asphalt/AGG1 2013 in San Antonio, Texas.

The VF 500 screed was developed for the tracked Vision 5100-2 and wheeled Vision 5103-2 pavers. The 2.43 m Vision Series pavers from Vögele offer contractors enhanced productivity through sophisticated design features, but is versatile enough to let contractors tackle both highway and commercial paving.

Also shown was the Vögele Super 700, which combines highway class technology in a compact package perfectly suited for paving cart, bike and walking paths, confined areas, repair of milled areas, and conventional commercial applications.

The advanced-design Hamm HD+ 140 VO tandem compactor was displayed, and features conventional vibration in the front drum, and exclusive Hamm oscillation compaction technology in the rear drum. The HD+ 140 has a maximum operating weight of 14.4 t, and drum widths of 2.13 m. The HD+ line from Hamm sets new standards for compactors, with an unusually large operator’s platform, perfect visibility conditions for the operator, and very impressive performance data.

Accompanying the HD + 140 VO was the unique Hamm HD 14 TT rubber-tired roller. This Hamm Compact Line roller has a maximum operating weight of 3,470 kg, and utilizes three tires in front and four in rear.

Wirtgen’s largest cold mill, the W 250, featuring a 2.5 m drum, also was shown. The W 250 is a high-performance cold milling machine with a maximum power rating of 980 hp, and can remove up to 1,180 t/h of asphalt. The W 250 incorporates Wirtgen’s innovative Dual Engine Concept, which allows milling with one engine at 610 hp, or milling with two engines at the more powerful 980 hp. Six different milling widths – ranging from 2.2 m to 4.4 m – are available.

While exhibit space did not permit exhibition of Kleemann Minerals Technology aggregates crushing and screening equipment, representatives staffed a Kleemann display within the Wirtgen.

Source: Wirtgen America Inc.
Major Wire Introduces 1’ x 2’ Modular Panels With Vibrating Wire Flex-Mat® 3 Advanced Technology

Montreal-based Major Wire Industries Limited now offers a full line of new 1’ x 2’ (305 mm x 610 mm) Flex-Mat® 3 Self-Cleaning Modular screen media panels. This new screen media size fits virtually any flat-surface screen deck, so screening operations using traditional polyurethane and rubber panels can increase their existing screening capacity and in-spec material throughput up to 50%. Screening operations can choose between pin-, grooved-, snap- and step-types in opening sizes of 30 mesh (0.5 mm), up to 40 mm.

Proven Flex-Mat 3 Modular panels were introduced earlier in 2007.

Flex-Mat 3 Modular panels provide up to 50% more screen media open area than traditional rigid polyurethane and rubber panels. In addition, each panel increases total screen media open area by up to 55% when compared to using two traditional polyurethane or rubber panels to cover the same screen deck area. No screen box changes are necessary to switch to the larger panels.

One key to Flex-Mat 3’s success in both tensioned and modular screen media is its independently vibrating wire technology. It increases product throughput over traditional rigid polyurethane and rubber panels by creating more screening action and eliminating blinding, pegging and clogging.

Flex-Mat 3 Modular panels install easily using the same fastening systems as traditional polyurethane and rubber panels and are available in both stainless steel and Major Wire’s proprietary OptimumWire®. Wire diameters range from 0.6 mm to 9.5 mm. Snap- and step-types are available in 305 mm x 610 mm sizes, while the pin- and grooved-types are available in both applications, including aggregate, mining, sand & gravel, aglime, recycled concrete and asphalt, C&D recycle, coal, slag, talc, top soil, salt, mulch, industrial minerals and green waste.

Source: Major Wire Industries Limited

Cummins Announces Engines for Vocational Market

Cummins Inc. recently announced its 2013 engine lineup, which is ideal for vocational applications with demanding workloads and tough-duty cycles.

The Cummins ISX12, with ratings from 310 hp to 425 hp, has proven itself in many applications. With over 800 lb-ft (1085 N•m) of clutch engagement torque, SmartTorque ratings that deliver an additional 200 lb-ft of torque in the top two gears, vocational ratings that provide additional torque in the lower gears and options including front- and rear-mounted power take-off (FEPTO and REPTO), the ISX12 is ideal in operations calling for a compact heavy-duty engine.

Including heavy-duty features such as replaceable wet liners, roller followers, by-pass oil filtration and targeted piston cooling, the 2013 ISL9 delivers the dependability and reliability required in tough work environments. Cummins ISL9 ratings from 260 hp to 380 hp are available with ratings from 250 hp to 320 hp.

Cummins Westport natural gas engines, the ISL G and ISX12 G, utilize the same base engine and key components as their diesel counterparts. They also feature Cummins Westport’s proprietary spark-ignited combustion technology with Stoichiometric cooled Exhaust Gas Recirculation (SEGR) and a maintenance-free Three-Way Catalyst. The ISL G is certified to the 2013 EPA standards and is available with ratings from 250 hp to 320 hp. The ISL G shares a full-skirted block with Cummins ISL9 for greater reliability and superior durability. Cummins Westport’s ISX12 G is based on Cummins ISX12 diesel and will offer ratings from 320 hp to 400 hp, and up to 1450 lb-ft torque. Options such as engine braking as well as automatic and manual transmission offerings make the ISX12 G an ideal heavy-duty natural gas engine. Both the ISX12 G and the ISL G operate on compressed natural gas, liquefied natural gas or bio-methane, making them the natural choice for vocational natural gas applications.

Source: Cummins Inc.
ALL Erection & Crane Rental Corp. has purchased a total of 50 JLG telehandlers to serve its continental fleet. The new units, which include more than 30 high-capacity telehandlers, will be delivered in groups of approximately 17 at a time every three months. The ALL Family of Companies has 34 branches spread strategically across its North American footprint, and the new telehandlers will be distributed among the branches to support immediate local needs, including daily rentals and major projects calling for longer-term rentals.

Each delivery group will include (10) JLG G10-55A telehandlers with 4,536 kg carrying capacity; (3) G12-55A telehandlers with 5,443 kg capacity; and (4) SkyTrak® telehandlers. SkyTrak models include (2) model 8042 telehandlers with 3,629 kg carrying capacity and 12.8 m maximum lift height and (2) model 10054 units with 4,536 kg carrying capacity and 16.2 m maximum lift height. Both the JLG G10-55A and the JLG G12-55A have a maximum lift height of up to 16.8 m.

All of these units reflect the huge changes in the telehandler industry in the past decade. Telehandlers are used in many construction markets to assist and feed loads to the large mobile cranes, offering particular utility in the wind energy market assembling turbines and in the petrochemical and shale gas exploration industries. Telehandlers are also common in steel construction, where they can unload steel and bring it to the large cranes, and in bridge construction, where they unload rebar, move barricades, and facilitate bridge painting. They can even help erect performance stages and feed equipment to large cranes in the entertainment industry.

Source: ALL Family of Companies
Known for their longevity and premium construction since 1872, today’s Continental tires are reaching new heights as they help operate some of the world’s most inventive engineering projects.

In London, England, a familiar sight for both residents and visitors alike is the world-famous EDF Energy London Eye. This tallest cantilevered observation wheel in the world allows passengers to enjoy the sights of London from fully enclosed capsules, suspended on a 1,200 t rotating wheel which hangs over the River Thames. There are 32 capsules, each with its own climate control and stability system, and the London Eye stands 135 m tall.

The drive systems of the London Eye are located in two towers, one at each end of the wheel’s boarding platform. But what riders of the London Eye do not realize is that the rotation of the wheel depends on Continental truck tires. The tires, Continental HSRs (Heavy Steer Regional truck tires from the Commercial Vehicle Tire business unit), act as friction rollers along the rim of the London Eye throughout the hours of operation, and it is imperative that there be no down time and that they be low maintenance. We have had no issues with the Continental tires and they have proven to be reliable, helping us provide spectacular views of London to millions of visitors since we opened in 2000,“ he added.

Across the Atlantic Ocean, Continental truck tires are helping NASA to reach even higher – in fact, all the way to Mars and Jupiter. United Launch Alliance (ULA) recently contacted Continental to provide replacement tires for its two KAMAG self-propelled modular transporter platforms at Cape Canaveral Air Force Station, Florida. ULA designs, builds and launches Atlas V and Delta IV rockets that deliver missions to orbit for the U.S. Department of Defense, NASA, the National Reconnaissance Office and other commercial customers. ULA uses KAMAG transporters to move Delta IV and Atlas V rockets and payloads.

The KAMAG transporters each use 72 Continental HTR truck tires to move payloads from the processing facilities to the launch pad. The combined weight of the launch vehicles and payloads can be up to 90.7 t. The Atlas V and Delta IV launch vehicles carried by the KAMAGs have launched high-profile missions including NASA’s “Curiosity” Mars rover, Global Positioning System (GPS) satellites and other critical national security payloads.

Specified by KAMAG for use with its self-propelled modular transporter platforms, the Continental HTR (Heavy Trailer Regional) tires were installed in September 2012. HTRs are also a product of Continental's Commercial Vehicle Tire business unit, one of the world’s largest manufacturers of truck, bus and industrial tires worldwide.

Source: Continental

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**World Premiere at bauma**

Goodyear is launching a new wheel loader tire for heavy applications, which will be shown at bauma 2013 in Munich, Germany.

The new Goodyear RT-5D wheel loader tire offers more carrying capacity, greater comfort and more powerful traction than its predecessor. This new addition to Goodyear's Off The Road (OTR) tire range is a level 250 (L5) traction tire for severe conditions such as in quarries, difficult industrial applications and recycling as well as in open and underground mines.

Source: Goodyear Dunlop Tires Germany GmbH
Rig Source, Inc. reported strong positive feedback from attendees of the 2013 Underground Construction Technology International conference and exhibition. The annual event, which unites utility owners, engineers, contractors, and manufacturers directly associated with development and rehabilitation of underground infrastructure, was held in January 2013, in Houston, Texas.

“UCT was a great opportunity to meet with people who are very familiar with crawler carriers. We were able to communicate our goal of supporting our customers’ specific needs, as well as providing customization options they require,” said Matt Slater, Rig Source director of sales.

“Visitors seemed to recognize right away that the Terramac RT9 unit is a quality product designed to allow easier maintenance and dependability in the field,” he added.

Two of the features that drew the most questions were the rubber tracks and the engine. Having rubber tracks on such a rugged vehicle allows less damage to travel surfaces. New developments in materials and construction mean rubber tracks hold up well and are widely preferred over steel today for the RT9’s range of applications.

The Terramac has an 8,200 kg carrying capacity and is equipped with a 230 hp Cummins diesel engine. It is available in both open cab and closed cab configurations and has rollover protective structure (ROPS) as well as falling object protective structure (FOPS) components. The RT9’s easy front and rear bolt-on attachments can accommodate a variety of needs in the drilling and general construction industries.

Source: Rig Source, Inc.
Navistar Showcases International TerraStar 4x4 Work Truck

Navistar showcased its production-ready International® TerraStar® 4x4 commercial truck at the National Truck Equipment Association (NTEA) Work Truck Show on March 6, 2013 in Indianapolis, Indiana. The new 4x4 configuration follows the 4x2 launched in 2010.

The TerraStar 4x4 is powered by a 6.8 l V8 engine, delivering 300 hp and 660 lb ft of torque. The engine is matched to an Allison Optimized™ 1000 Series transmission and a Fabco TC-28 gear-driven transfer case, the only gear-driven transfer case in its class.

Commercial style tilt-away hood provides easy access to engine compartment. The TerraStar boasts huck-bolted cross-members that deliver best in-class frame rail strength of 80,000 psi. It also offers outstanding maneuverability in even the tightest work environments.

The TerraStar offers more cab space and better visibility than some of its competitors. It is available in extended cab or crew cab configurations and is constructed with double-sided, galvanized high-strength steel to resist corrosion.

Source: Navistar

Ford F-150 First Pickup to Feature HID Forward Lighting

OSRAM Automotive Lighting and Ford continue to lead the way in lighting innovation with the 2013 Ford F-150, the first mainstream pickup to feature a high intensity discharge (HID) headlamp system on select models. Previously featuring standard tungsten halogen headlamps, these Ford F-150 models will benefit from improved light spread from side to side, and improved foreground and down-road illumination. In addition, HID generates light at a higher color temperature, so it is whiter and more like natural daylight.

OSRAM is the only supplier in the world that offers a complete mercury-free HID lamp and ballast system and has introduced it on a number of Ford vehicles since the technology’s debut in 2007, showcasing Ford’s ongoing commitment to using environmentally sustainable automotive technology. Mercury-free HID lamps provide four times the lumens per watt of traditional halogen light sources and are more efficient at converting electrical energy into light.

HID now comes standard on the 2013 F-150 Platinum and Limited editions and is available as an option on the FX2, FX4, Raptor, Lariat and King Ranch models, providing Ford with a great selling point for consumers who are interested in better visibility.

Ford and OSRAM collaborated during the preproduction phase to ensure the HID headlamps are “Built Ford Tough”. Engineers went beyond typical testing standards to ensure the headlights still perform well during times of high vibration like one would experience while off-roading.

“The F-150 is an example of how HID is expanding into new market segments. Since OSRAM introduced the first mercury-free D3 headlamp technology in NAFTA, the market for completely mercury-free HID systems has seen a steady increase,” said Sharon Ernest, NAFTA Automotive HID product manager for OSRAM SYLVANIA Specialty Lighting. “We expect HID systems to continue to grow as more automakers are realizing the safety, energy and styling benefits the technology offers.”

Source: OSRAM SYLVANIA
Eaton Corporation and Cummins Inc. recently unveiled a new powertrain package for the North American heavy-duty truck market that is expected to deliver 3-6% fuel economy improvements, lower preventative maintenance costs, and total lifecycle cost improvements. The new product integrates an Eaton Fuller Advantage Series automated transmission with new Cummins ISX15 SmartTorque2 ratings. The product will be available in the fall of 2013 for line-haul, regional-haul and less-than-truckload applications.

The Eaton Fuller Advantage Series automated transmission will be offered as a small ratio step Over-Drive model with new Cummins ISX15 SmartTorque2 ratings; the ISX15 415 ST2 with torque of 1,450/1,650 lb ft, and the ISX15 450 ST2 with torque of 1,550 /1,750 lb ft.

One of the main enhancements Eaton has made with its Fuller Advantage Series transmission is the elimination of the cooler, which helps to reduce the overall package weight and improve reliability. Combined with the use of aluminum for the rear transmission housing, range cylinder, shift bar housing and the shift tower – along with a thin wall, cast iron main case design – the new transmission weighs 34 kg less than Eaton’s UltraShift PLUS LAS base model.

A new precision lubrication system for precise and efficient transmission lubrication further enhances fuel economy by reducing churning losses.

The new engine and transmission combination has been designed specifically to work smarter to maximize fuel economy benefits. Cummins new ISX15 SmartTorque2 ratings are the next generation of today’s SmartTorque ratings and precisely manage the power needed for the load demand. The Vehicle Acceleration Management is a patented Cummins electronic feature that manages vehicle acceleration for smoother shifting. This feature contributes to fuel economy benefits in stop and go duty cycles found in regional haul applications.

The powertrain package is currently undergoing field testing with various sized fleets, and initial testing and customer validation results are confirming the 3 to 6% fuel economy improvement.

Source: Eaton Corporation Cummins Inc.

Dana Holding Corporation has announced the official opening of the company’s new 12,000 m² technical center in Wuxi, Jiangsu Province, China.

The Dana China Technical Center will provide advanced product and applications engineering for original-equipment manufacturers in the light-vehicle, commercial-vehicle, and off-highway markets in China and throughout the Asia-Pacific region.

It includes a 5,800 m² test lab and provides 3,200 m² of manufacturing space to supplement the 17,000 m² dedicated to manufacturing at the adjacent Dana Wuxi Technologies Company, Ltd., facility.

Dana serves more than 100 customers in China including Beijing Jeep Corporation, BMW, Daimler, Dongfeng Motor, Ford, Jinbei, SAIC, Sany, SGM, Southeast Motor Corporation, Toyota, VW Group, XCMG, XGMA, and Zoomlion.

The Dana China Technical Center – the company’s 15th advanced engineering facility around the world – is devoted to the research, design, development, and testing of drivetrain, sealing, and thermal-management products.

Fully integrated into Dana’s global research and development system, the Dana China Technical Center has been equipped to support new products from concept development through launch, as well as to adapt technologies developed elsewhere in the world for the specific needs of the China market.

Currently home to more than 50 engineers, the engineering staff at the Dana China Technical Center will increase to a total of 130 by 2016 to facilitate the delivery of new product offerings for China and the rest of the region.

Most of the engineering activities at the center are currently focused on Dana’s growing off-highway portfolio for the region. The company will take a balanced, strategic approach that leverages this engineering expertise to grow business across all market segments.

The new test lab in Wuxi is outfitted with the latest testing equipment for axles, transmissions, materials, NVH, prototyping, inspections, and machining to ensure that products engineered and manufactured by Dana in China meet the company’s high standards for performance and durability. The off-highway test equipment includes an axle dynamometer, three beam fatigue testers, a reverse torsional fatigue tester, a static torsional strength tester, and a 7.5 kW spin rig.

Source: Dana Holding Corporation

Source: Eaton Corporation Cummins Inc.
New Guidance on Risk Assessment will Make AWP Industry Safer

IPAF (International Powered Access Federation) welcomes the Statement of Best Practices for Workplace Risk Assessment and Aerial Work Platform Equipment Selection, which was released recently by the industry organizations ARA (American Rental Association), AEM (Association of Equipment Manufacturers), SAIA (Scaffold & Access Industry Association), and IPAF.

The new guidance highlights best practices regarding workplace risk assessment and selecting the most appropriate aerial work platform (AWP) equipment for the job at hand. It was developed for use in the U.S. and is based on ANSI standards.

“Before you use an AWP, think about how you would use it and what could go wrong. This is risk assessment. It is the best way for management to prevent accidents. This new document gives managers clear guidance on how to perform risk assessments,” said IPAF CEO Tim Whiteman.

IPAF believes that risk assessment is a must before starting any work at height and crucial to preventing accidents. Approved training centers of IPAF and AWPT (American Work Platform Training, IPAF’s U.S. subsidiary) provide a course that trains managers and supervisors to prepare for and safely coordinate various types of AWPs on site. The course covers topics ranging from pre-start and workplace daily inspection, to fall protection, hazard awareness and prevention.

Source: IPAF

Astec Introduces Diagnostic Tool

Astec introduces “The Source” diagnostic tool, a hand-held tool that simulates most of the electrical signals coming into an asphalt plant control system. The Source simplifies plant setup and troubleshooting by providing the user with the ability to simulate components without the need to waste material.

Functions:

• 0-30 mV to simulate a weigh-bridge signal;
• 0-10 V DC signal can emulate a MBU. Also controls the speed of a variable speed drive;
• The 24 V 0-4100 Hz pulses simulate the inputs from a tachometer or encoders. It provides a tach connector that will simulate an AC pump, or a feeder;
• The 4-20 mA output signals are handy for any current output field device. It provides control signals that simulate heat controllers, current transformers, action packs and any other current sources. It will also alert the user if that current circuit is open, simplifying 4-20 mA control problems.

Source: Astec Industries, Inc.

Appointments

Sandvik Construction announces the appointment of Jeff Heinemann as vice president of its new Sales Area USA, from February 1, 2013.

The Sales Area USA is a result of the combination of the previous Sales Areas USA East and West. The main driver for the change is to strengthen the distributor support and direct sales and service to Sandvik Construction customers of drill rigs, stationary crushing and screening and tools, consumables and services.

Jeff Heinemann started working for Sandvik Mining and Construction in 2007, as vice president of the Construction segment of the US and Canada region and headed the Sales Area USA East during 2012 and January 2013. Prior to joining Sandvik, Mr. Heinemann had 23 years of previous experience in retail sales, dealer development, sales, marketing and manufacturing, both in the U.S. and globally.

Source: Sandvik Construction

OSRAM SYLVANIA is proud to announce the appointment of Graham Wark as president of OSRAM SYLVANIA Ltd./Ltée, effective immediately. He succeeds James Johnson, who has been named president and general manager of Valeo Sylvania.

Mr. Wark assumes overall responsibility for Canadian operations and support functions in all sales channels. He will report to Rick Leaman, OSRAM SYLVANIA president and CEO and be based in Mississauga, Ontario.

Graham Wark started with the company in 1987 as a design engineer in the company’s Electronic Components & Materials’ lead wire plant in Bangor, Maine. Mr. Wark worked his way through the organization, earning several leadership positions including Bangor plant manager, plant manager of the PM&C facility in Exeter, New Hampshire, strategic business unit general manager for HID lighting products in Manchester, New Hampshire, and most recently, vice president of SYLVANIA Lighting Services.

Source: OSRAM SYLVANIA
**Blundstone’s CSA Greenpatch™ Boots Combine Safety and Comfort**

The thought of working all day in the dry summer heat already sounds exhausting, but the idea of having to wear uncomfortable steel-toed boots sounds even more unbearable. Having to lace up and untie your work boots after a long, hard day is just out of the question. Blundstone wants to end the tyranny with CSA Greenpatch™ pull-on, kick-off boots, bringing functional footwear to a whole new level with no darn laces!

A number of working Canadian builders, landscapers, firefighters and carpenters require maximum comfort and safety in their everyday jobs. That is why Blundstone has made it their mission to create the lightest, most durable work boots to hit the concrete. More durable than most heavy clunkers, the Greenpatch™ comes in a variety of sizes and three colors.

Blundstone CSA soles are made with state-of-the-art materials; including new Kevlar CSA approved protection mid-soles that are lighter and more flexible, perfect for soothing tired feet after working all day. A heat formed heel provides a snug fit, reducing your risk of blisters. Deluxe Poron™ footbeds provide support for your back and heels, while toes are protected by a broad fitting, tempered steel, Grade 1 safety toe cap.

Whether working or travelling, you will always have maximum protection with soles that are heat, slip, acid, oil, and electric shock resistant, no matter what the setting. Weatherproof elastic and leather keep your feet dry, and allow them to breathe as well. With injection molded soles that are made without adhesives, you will never need to worry about them becoming unglued or rotted stitching.

Source: Blundstone, Pty

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**Canadian Exhibitors at bauma 2013**

- Automacad Inc. B1.401
- AXIOMATIC Technologies Corporation A3.537/636
- Bartell Morrison, Inc. A1.324
- Birmingham Foundation Solutions C2.406
- Black Cat Blades Ltd. A6.212
- Flexxaire Inc. A3.629
- Fordia Group C2.301
- Fraco Products Ltd. F11.1102/1
- GeoRoCo Inc. C2.501
- Hammar Diversco Inc. A5.541
- Kal Tire Mining Tire Group C2.408
- Major Wire Industries Ltd. B2.129/236
- Metaris - Hydraulex Global A3.322
- Motion Metrics International Corp C2.105B
- Polycorp Ltd. C2.412
- R.A.S. Industries Ltd. C3.203C
- RDH Mining Equipment C2.106
- RWF BRON C4.604F
- SensoCrete Inc. F10.1004/4
- Sepro Mineral Systems Corp. B2.417
- Shaw Almex Industries Ltd. B2.232
- Sight Power Inc. C2.424
- THOR GLOBAL B2.405
- Valley Blades Limited A6.549

bauma, the International Trade Fair for Construction Machinery, Building Material Machines, Mining Machines, Construction Vehicles and Construction Equipment, will take place from April 15 to 21, 2013 at the Messe München exhibition center in Munich, Germany.

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**Excellent Condition**

2001 JOHNSTON 610 vacuum sweeper, mounted on Freightliner FC70 cab over chassis. Stock: H39469 Price: $52,500 Accessories Machinery Ltd Phone: 1-800-461-1979

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**Ex-City Unit**

1997 TYMCO 600 BH, regenerated air sweeper, mounted on Freightliner FC 70 cab over chassis. Stock: A42135 Price: $29,400 Accessories Machinery Ltd Phone: 1-800-461-1979

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**High Dump single engine mechanical sweeper**

1997 JOHNSTON 605 vacuum sweeper, single sweep right side, mounted on Ford cab over chassis. Stock: A41005 Price: $24,500 Accessories Machinery Ltd Phone: 1-800-461-1979

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**1997 JOHNSTON 605 vacuum sweeper, single sweep right side, mounted on Ford cab over chassis. Stock: A41005 Price: $24,500 Accessories Machinery Ltd Phone: 1-800-461-1979**

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**Mobil/Atthey mounted on 2000 Freightliner FL70 chassis, Cat. 3126, Allison. 2-speed rear axle, 98,000 miles, 10,823 hrs, stainless steel hopper Stock S69309 Price: $41,000 Accessories Machinery Ltd Phone: 1-800-461-1979**

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**Excellent Condition**

2004 JOHNSTON VT 650 vacuum sweeper, catch basin cleaner, mounted on Freightliner FC80 chassis, 66,986 miles. Stock N10707 Price: $69,400 Accessories Machinery Ltd Phone: 1-800-461-1979

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**High Dump single engine mechanical sweeper**

1997 JOHNSTON 605 vacuum sweeper, single sweep right side, mounted on Ford cab over chassis. Stock: A41005 Price: $24,500 Accessories Machinery Ltd Phone: 1-800-461-1979

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Agenda

baum 2013
April 15 - 21, 2013
Munich, Germany

National Heavy Equipment Show
April 18 - 19, 2013
Mississauga, ON Canada

4th AQEI's Annual Convention
April 18 - 19, 2013
Quebec City, QC Canada

WASSER BERLIN INTERNATIONAL
April 23 - 26, 2013
Berlin, Germany

Coal Prep International Exhibition & Conference
April 29 - May 2, 2013
Lexington, KY USA

Haulage & Loading 2013
May 19 - 22, 2013
Phoenix, AZ USA

Canada North Resources Expo
May 31 - June 1, 2013
Prince George, BC Canada

Road & Traffic Azerbaijan / Transcaspian 2013
June 13 - 15, 2013
Baku, Azerbaijan

Concrete Show China
June 26 - 29, 2013
Shanghai, China

ISARC 2013 - 30th International Symposium on Automation and Robotics in Construction & 23rd World Mining Congress & Expo
August 11 - 15, 2013
Montreal, QC Canada

bauma Africa 2013
September 18 - 21, 2013
Johannesburg, South Africa

Démo Forêt 2000
September 20 - 22, 2013
Dolbeau-Mistassini, QC Canada

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

MS AFRICA & MIDDLE EAST, The International Trade Fair for Stone Design, Technology, Earthmoving and Building Machinery
December 9 - 13, 2013
Cairo, Egypt

bauma 2013
April 15 - 21, 2013
Munich, Germany

National Heavy Equipment Show
April 18 - 19, 2013
Mississauga, ON Canada

4th AQEI's Annual Convention
April 18 - 19, 2013
Quebec City, QC Canada

WASSER BERLIN INTERNATIONAL
April 23 - 26, 2013
Berlin, Germany

Coal Prep International Exhibition & Conference
April 29 - May 2, 2013
Lexington, KY USA

Haulage & Loading 2013
May 19 - 22, 2013
Phoenix, AZ USA

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Prince George, BC Canada

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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

MS AFRICA & MIDDLE EAST, The International Trade Fair for Stone Design, Technology, Earthmoving and Building Machinery
December 9 - 13, 2013
Cairo, Egypt

INTERNMAT 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

SabOter & Asphaltica in Verona
May 8 - 11, 2014
Verona, Italy

APEX 2014
June 24 - 26, 2014
Amsterdam, the Netherlands
October 1-3, 2013
Kentucky Exposition Center
Louisville, Kentucky

REGISTRATION OPENS IN MAY!
www.icuee.com